

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-180 Rank: Assistant Professor Tenured: No College: BOROUGH OF MANHATTAN C. C. Panel: Anthropology, Classics, Philosophy, Linguistics Discipline : Anthropology Co-PI :	Name : perez, yadira Address : Telephone : Email:
---	--

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department ETHNIC STUDIES

Title of Proposed Project:

Request to Write Chapter: Demanding Paradise in the Dominican Republic: Japanese Immigrant Narratives of Identity, Immigration and Japan's National Responsibility

Brief Abstract

It is with much excitement I submit this proposal in support of my application for the PSC-CUNY Award Program 2013/2014. I am requesting summer salary to devote time without teaching to write a new chapter for my book manuscript, currently entitled "Seeking Paradise: Japanese Immigrants Navigating Racial Politics, National identity and Nation-building in the Dominican Republic." The proposed chapter will examine the ways in which the Japanese immigrants navigate shifting national interest, ideologies and national identity politics to file a civil-action suit against the Japanese government for an unfound paradisiacal immigrant experience in the Dominican Republic. The proposed chapter will draw largely from new data I collected during a supplementary research trip in March 2013 to the Dominican Republic where I conducted archival research and oral history interviews with five Japanese immigrants involved in the civil action suit. I am also requesting funds for the transcription of these five interviews which will provide the data for this ethnographically rich chapter.

Relevant Publications & Scholarship

2014, "Negotiating the Sensing of Difference: Whiteness, National Identity and Belonging in the Dominican Republic." *Transforming Anthropology* 22 (2): 63-76. (peer-reviewed)

2013, Review of *Aloha America: Hula Circuits through the U.S. Empire* by Adria Imada, *Journal of Pacific Studies*, March.

Education

Institution	Degree	Year(s)	Discipline
Cornell University	BA	2001	Anthropology
University of Virginia	Doctorate	2009	Anthropology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Summer 2007	Legal Suit amongst Japanese in DR	\$3,500.00	Woodrow Wilson Dissertation Fellowship
Summer 2009	Racial Landscaping	\$3,000.00	Finger Lakes Environmental Film Festival Fellowship

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY_2014.docx	28925	12/7/2013 1:24:06 AM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00

Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
<p>Research Staff</p> <p>I am requesting funds to pay a CUNY student to transcribe the five 1-hour interviews I conducted with Japanese immigrants about the legal suit and their national identity. The data from these interviews will provide the ethnographic data for the drafting of the proposed chapter.</p>	<p>Fringe Benefit Expense</p> <p>MTA Payroll Tax</p>	<p>350.00</p> <p>34.44</p>	384.44
<p>Summer Salary (Principal Investigator)</p> <p>I requesting summer salary to draft a new chapter of my book manuscript that will examine the ways in which the Japanese immigrants navigate shifting national interest, ideologies and national identity politics to file a civil-action suit against the Japanese government for an unfound paradisiacal immigrant experience in the Dominican Republic. The proposed chapter will draw largely from new data I collected during a supplementary research trip in March 2013 to the Dominican Republic where I conducted archival research and oral history interviews with five Japanese immigrants still living in the Dominican Republic.</p>	<p>Fringe Benefit Expense</p>	<p>2417.00</p> <p>698.51</p>	3115.51
		Total	3499.95

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-364 Rank: Professor Tenured: Yes College: HUNTER COLLEGE Panel: Anthropology, Classics, Philosophy, Linguistics Discipline : Philosophy Co-PI :	Name : Dahbour, Omar Address : Telephone : Email:
--	--

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department PHILOSOPHY

Title of Proposed Project: The Ethics of Warmaking in Germany, 1800-1945
--

Brief Abstract

I am applying to travel to Dresden, Germany in summer 2014 to visit the Militarhistorisches Museum fur Bundeswehr (German Military History Museum), which opened in 2011. This visit will enable me to collect data for my current research project into the ethics of war and political violence, with particular reference to German military history, in particular the Napoleonic campaigns against Prussia and Austria, and the "blitzkrieg" and strategic bombing campaigns in World War II. Both of these are discussed by philosophers and historians today as important instances of what is called "total war." I will visit the Museum over 3 days, including meeting with curators. This should contribute materially to my research and to the writing of 2 chapters of my book-in-progress on the ethics of political violence.

Relevant Publications
& Scholarship

"The Response to Terrorism: Moral Condemnation or Ethical Judgment?,"
 PHILOSOPHICAL FORUM, Vol. 36, No. 1 (Spring 2005): 89-97

"Borders, Consent, and Democracy," JOURNAL OF SOCIAL PHILOSOPHY, Vol. 36,
 No. 3 (Summer 2005): 255-72

Review of "Globalizing Democracy and Human Rights," by Carol C. Gould, in
 SOCIAL THEORY AND PRACTICE, Vol. 31, No. 4 (Oct. 2005): 607-12

"Three Models of Global Community," in Gillian Brock and Darrel Moellendorf (eds.),
 CURRENT DEBATES IN GLOBAL JUSTICE, special issue of JOURNAL OF
 ETHICS, Vol. 9, Nos. 1-2 (2005): 201-24

"Advocating Sovereignty in an Age of Globalization," JOURNAL OF SOCIAL
 PHILOSOPHY, Vol. 37, No. 1 (Spring 2006): 108-26

"Sovereignty as an Antidote to Hegemony," GLOBAL STUDIES REVIEW, Vol. 2, No. 2 (Summer 2006): 10-11

"Is 'Globalizing Democracy' Possible?," in Tony Smith and Harry van der Linden (eds.), PHILOSOPHY AGAINST EMPIRE, Vol. 4 of RADICAL PHILOSOPHY TODAY (Charlottesville, Vir.: Philosophy Documentation Center, 2006)

"Hegemony and Rights: On the Liberal Justification of Empire," in Ashley Dawson and Malini Johar Schueller (eds.), EXCEPTIONAL STATE: CONTEMPORARY U.S. CULTURE AND THE NEW IMPERIALISM (Durham, N.C.: Duke University Press, 2007)

"Nationalism, Self-Determination, and Secession," in Patrick Hayden (ed.), ASHGATE RESEARCH COMPANION TO ETHICS AND INTERNATIONAL RELATIONS (Farnham, England: Ashgate Publishing, 2009), pp. 393-406

DEMOCRACY, STATES, AND THE STRUGGLE FOR GLOBAL JUSTICE, coedited with Heather Gautney, Ashley Dawson, and Neil Smith (New York: Routledge, 2009)

"Radical Theories of Democracy and Sovereignty," in Omar Dahbour, Ashley Dawson, Heather Gautney, and Neil Smith (eds.), DEMOCRACY, STATES, AND THE STRUGGLE FOR GLOBAL JUSTICE (New York: Routledge, 2009), pp. 19-30

"Imperialism," in Deen Chatterjee (ed.), ENCYCLOPEDIA OF GLOBAL JUSTICE (Dordrecht, Netherlands: Springer, 2011)

"Nationalism," in Deen Chatterjee (ed.), ENCYCLOPEDIA OF GLOBAL JUSTICE (Dordrecht, Netherlands: Springer, 2011)

"Radical Global Justice: A New Paradigm?," PUBLIC AFFAIRS QUARTERLY (2012)

"National Rights, Minority Rights, and Ethnic Cleansing," in Grace Cheng (ed.), NATIONALISM AND HUMAN RIGHTS (New York: Palgrave Macmillan, 2012)

SELF-DETERMINATION WITHOUT NATIONALISM: A THEORY OF POSTNATIONAL SOVEREIGNTY (Philadelphia: Temple University Press, 2013)

Education

Institution	Degree	Year(s)	Discipline
Trinity College	B.A.	1977	History/Philosophy
Univ. of Chicago	Ph.D.	1987	History
City Univ. of New York	Ph.D.	1995	Philosophy

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source

2004-5	Violence	\$18,000.00	CUNY Center for the Humanities
2008-9	The Distinction Between Moral and Ethical Judgments of Political Violence	\$4,980.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	psc-cunygrant2014.docx	145444	12/8/2013 12:50:28 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00

Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel Costs include: round-trip airfare NYC-Berlin (\$839.00), round-trip train fare Berlin-Dresden (\$152.00), per diem for 5 days (\$1,000.00), and estimated museum entrance fees (\$30.00). This museum is new (opened 2011) and is now the main archive for German military history in the world; no equivalent resources are available in the US.		2021.00 0.00	2021.00
		Total	2021.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-31 Rank: Assistant Professor Tenured: No College: GRADUATE SCHOOL Panel: Anthropology, Classics, Philosophy, Linguistics Discipline : Anthropology Co-PI :	Name : Macaulay-Lewis, Elizabeth Address : Telephone : Email:
--	--

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department OFFICE OF PROVOST

Title of Proposed Project: Bayt Farhi and the Forgotten Palaces of Damascus: diversity and domestic architecture in Late Ottoman Syria
--

Brief Abstract

In 2012 I received a PSC-CUNY grant (TRADA-43-87) that was vital to completing my research on Bayt Farhi, the most important Sephardic house in Late Ottoman Syria, in 2012-2013; having finished my research, I am now in the processes of publishing the work. I need funding in order to preparing the manuscript for publication, specifically to defray the cost of purchasing high-resolution tiff files of certain images, and for copy editing the manuscript, which has been accepted for the Manar al-Athar Monograph Series based at the University of Oxford.

Relevant Publications & Scholarship

Experience:
 Co-director, Upper Egyptian Mosque Project, 2012-Present.

Historical and Architectural Consultant, Bayt Farhi Restoration Project, Damascus, Syria, June 2010-Present.

Contributing Editor, Islamic Architecture and Art, Smarthistory,
<http://smarthistory.khanacademy.org/about-smarthistory.html>, 2012-Present

Publications:

Bayt Farhi and the forgotten palaces of Damascus: Diversity and domestic architecture in the late Ottoman Empire (manuscript completed, accepted for publication, The Manar al-Athar Monograph Series, University of Oxford jointly published in the Annual of the American Schools of Oriental Research)

Kenawi, M., Macaulay-Lewis, E. and McKenzie, J. 2012. "A Commercial Nursery near Abu Hummus, Egypt, and the Reuse of Amphoras in the Roman Plant Trade" Roman Journal of Archaeology 25, 195-225.

"A Monumental Roman Building in Southeast Damascus?" With R. Burns. Accepted for publication, Levant.

"A Column of Jerash in Queens: archaeology, diplomacy and political narratives in the 1964-1965 World's Fair" With J. Simard. Provisionally accepted by the Journal of the Society of Architectural Historians.

Education

Institution	Degree	Year(s)	Discipline
University of Oxford	DPhil	2008	Classical Archaeology
University of Oxford	Master of Studies	2003	Classical Archaeology
Cornell University	BA	2002	Archaeology, History and Classics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014-2015	Bayt Farhi and the Forgotten Palaces of Damascus: diversity and domestic architecture in Late Ottoma	\$6,000.00	PSC CUNY Grant
2013-2014	Upper Egyptian Mosque Project	\$3,000.00	PSC CUNY Grant
2013-2014	Manar al-Athar Website Development	\$10,698.00	The British Academy /Leverhulme trust Small Grant
2012-2013	Beit Farhi: Architecture, identity and the forgotten palace of Ottoman Damascus	\$3,180.00	PSC CUNY Grant

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC_CUNY_EML_FINAL.doc	68096	11/22/2013 5:30:38 PM

Budgets

Description			Requested Amount
Research Staff		0.00 0.00	0.00

	Fringe Benefit Expense MTA Payroll Tax		
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00

Manuscript Preparation/ Publication Costs I need support to pay for the highly-specialized copy editing of my manuscript (\$5,000), for the creation of a map of Damascus (\$100) and to pay for permissions to reproduce and publish images for my manuscript (\$900). There is an detailed outline of the costs in my proposal.		6000.00 0.00	6000.00
		Total	6000.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-337	Name : Duran Urrea, Evelyn
Rank: Lecturer	Address :
Tenured: No	Telephone :
College: LEHMAN COLLEGE	Email:
Panel: Anthropology, Classics, Philosophy, Linguistics	
Discipline : Linguistics	
Co-PI : Beatriz Lado	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department LANGUAGES

Title of Proposed Project:

Assessment and Placement of Heritage and Second Language Learners of Spanish at the College Level

Brief Abstract

This proposed project attempts to address the needs of second language (L2) and heritage language (HL) learners of Spanish at Lehman College by choosing and developing a placement test that best suits these two populations. As these two groups have different academic and linguistic needs, they have to be placed separately in one of the two tracks that Lehman offers (L2 vs. HL). Similarly, the tools implemented to place them in the right language course have to be specific for each group. Given that the current placement test does not account for this difference, the present project will overcome this situation by: 1) piloting and assessing an existing L2 placement test; and 2) developing our own HL language placement examination.

Relevant Publications & Scholarship

De la Futuridad a la epistemicidad. La situación actual del tiempo futuro en el español de Nuevo México. Serie Memorias del IX Encuentro Internacional de Lingüística en el Noroeste. Ed. Rosa María Ortiz Ciscomani. Vol. 2. Hermosillo Mexico: Editorial Unison, 2008. 131-49. 2 vols.

Variation in the Future Tense in New Mexican Spanish." Texas Linguistic Forum 50. Ed. Taryne Hallett et al. Austin: Texas Linguistic Forum, 2007.
<http://studentorgs.utexas.edu/salsa/proceedings/2006.htm>

Conference Presentations:

Linguistic Attitudes in a Community in Northern New Mexico. Arts and Humanities Works in Progress Series. Lehman College, CUNY. (April 23, 2013).

Trabajo etnográfico en una comunidad bilingüe. XXX International Congress of the

Latin American Studies Association (LASA). San Francisco, CA. (May 23-26, 2012)
 Bilingual Usage and Linguistic Attitudes in a Community in Northern New Mexico.
 40th Annual Meeting of the Linguistic Association of the Southwest (LASSO). The
 University of Texas at Brownsville and Texas Southmost College. South Padre
 Island, TX. (September 30-October 2, 2011)

Transcribing Sociolinguistic Interviews of New Mexican Bilinguals.(Co-authored with
 Rena Torres-Cacoullos and Yolanda Gordillo). The Bangor Transcription Workshop.
 ESRC Centre for Research on Bilingualism. The Pennsylvania State University/
 Bangor University. (November 19-20, 2010)

On the Syntax and Prosody of Code-switching in New Mexican Spanish-English
 Discourse. Center for Language Science (CLS). The Pennsylvania State University.
 University Park, PA. (October 2009)

Education

Institution	Degree	Year(s)	Discipline
The Pennsylvania State University	Ph.D.	2012	Hispanic Linguistics
University of Arizona	M.A.	2005	Hispanic Linguistics
University of Sonora Mexico	B.A.	2000	Linguistics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2009	Dissertation Support Grant	\$5,000.00	The Pennsylvania State University

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY.2014.Proposal_Lado&Duran.p	134784	12/13/2013 6:36:40 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00

Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time We are requesting release time for the Fall 2014 for one of the Co-Principal Investigators, Evelyn Durán Urrea, full-time lecturer, in order to complete the development of the HL placement test (computerization, piloting and distribution of the HL exams).	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	4248.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-38 Rank: Associate Professor Tenured: Yes College: BROOKLYN COLLEGE Panel: Anthropology, Classics, Philosophy, Linguistics Discipline : Classics Co-PI :	Name : Kellogg, Danielle Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department CLASSICS

List of Undesirable Reviewers No

Title of Proposed Project: Migration and the Ancient Athenian Polis

Brief Abstract

My project is a monograph on migration patterns of individuals within the territories of the ancient Athenian polis, and what the analysis of such patterns reveals to us about the political, social, economic, and religious networks of antiquity. Prevailing scholarly theories concerning this topic oversimplify the matter, emphasizing a bipolar, centripetal pattern of migration in which the urban complex of city and port (Athens and Peiraieus) overwhelmingly dominated the landscape. An analysis of the epigraphic materials from a selection of representative areas across the territories of ancient Athens, however, demonstrates that the economic, social, and political factors that influenced people's migration patterns are far more complex than has hitherto been appreciated. This type of inquiry moves the discussion of the movement of populations in antiquity beyond the phenomenon of ancient colonization and ties local history to broader scholarly trends involving the negotiation of space and creation of networks.

Relevant Publications & Scholarship

BOOKS:

Marathon Fighters and Men of Maple: Ancient Acharnai (OUP, 2013)

ARTICLES:

"The Place of Publication of the Ephebic Oath", *Hesperia* 82.2 (2013), 263-276.

"Epigraphy, Greek" for the *Encyclopedia of Global Archaeology* (forthcoming)

REVIEWS

Review of Epigraphical Approaches to the Postclassical Polis (forthcoming for Classical World)

Review of A small Greek world: networks in the Ancient Mediterranean, by I. Malkin, Bryn Mawr Classical Review, 2012.12.60 (<http://bmcr.brynmawr.edu/2012/2012-12-60.html>)

Education

Institution	Degree	Year(s)	Discipline
University of Pennsylvania	Ph.D.	2005	Ancient History
University of Pennsylvania	MA	2001	Ancient History

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
09/10-07/11	Deme and Domicile: The Movement of Populations in Attika	\$40,000.00	National Endowment for the Humanities
07/10-10/10	'Most of them had been used to always living in the country': Population Movement in Attika	\$4,051.00	PSC-CUNY Research Foundation
06/08-08/08	Famous of Old for Brave Men: The Attic Deme of Acharnai	\$2,400.00	Tow Faculty Travel Fellowship
09/08-05/09	Famous for Brave Men: the Attic Deme of Acharnai	\$5,642.00	PSC-CUNY Research Foundation
09/08-05/09	Whiting Fellowship for Distinguished Teaching in the Humanities	\$5,000.00	Mrs. Giles R. Whiting Foundation

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Kellogg_PSC_2013.pdf	37874	12/13/2013 6:13:58 PM
Project Description	Kellogg_PSC_CUNY_2013.pdf	66762	12/13/2013 6:12:53 PM

Budgets

Description			Requested Amount
Research Staff		0.00	
	Fringe	0.00	0.00

	Benefit Expense MTA Payroll Tax		
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs I am budgeting \$300.00 for the purchase of image rights from the Greek Archaeological Service of various inscriptions to assist with publication.		300.00 0.00	300.00

Foreign Travel		10600.00	
Because this publication requires extensive use of epigraphical evidence, the knowledge of which must be gained through autopsy, travel to Greece is absolutely essential for the success of the project. The epigraphic data, moreover, must be contextualized by the analysis of portable finds and local topography in order to fully understand the migration habits of individuals in antiquity. I plan to use the American School of Classical Studies at Athens as my research base during my stay in Greece. The American School's position as a liaison with the Greek Ministry of Culture is crucial for me to receive the necessary permits and permissions to view relevant inscriptions and access unpublished (or under-published) materials. In addition, the ASCSA has some of the best research libraries in the world, which contain the full complement of epigraphic publications, including recent publications by members of the Greek Archaeological Service on various rural Athenian demes, such as Myrrhinous and Sounion, which are not widely available outside of Greece. While being based in Athens, I intend to make a series of day trips to the sites of the representative demes of my monograph to examine the physical remains and the inscriptions housed in local museums on site. I estimate that approximately two weeks of my proposed eight-week stay in Greece will be taken up in this manner. In addition, I intend to travel to various Athenian possessions in the Aegean that housed important settlements and klerouchies in antiquity, including Delos, Imbros, Skyros, and Lemnos. Many of these locations are only accessible by ferry service, which remains subject to weather considerations; therefore it is impossible for me at this time to predict the precise dates of travel to these islands. Nevertheless, I estimate that I should be able to complete my studies in these locations in approximately two weeks. I have calculated my expenses in Greece based on a very conservative per diem of \$150 per day. Based on my prior experiences with housing markets in these locations, and the standards of the U.S. Department of State, this is well within a reasonable range. For the eight-week epigraphic visit outlined above this amounts to a cost of \$8,400. Based upon a recent consideration of airfare, car rental fees within Greece, and the costs of ferry tickets, I am budgeting \$1,500 for airfare to Greece and an additional \$700 for travel within the country during my stay.		0.00	10600.00
		Total	10900.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-52 Rank: Assistant Professor Tenured: No College: COLLEGE OF STATEN ISLAND Panel: Anthropology, Classics, Philosophy, Linguistics Discipline : Linguistics Co-PI :	Name : Bishop, jason Address : Telephone : Email:
--	--

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department ENGLISH

List of Undesirable Reviewers Yes

Title of Proposed Project:

Context and individual differences in the perception of prosody

Brief Abstract

I am requesting funds for release time, personnel, and subject payment to support the first project and debut of the CSI-CUNY Speech Laboratory. The CSI-CUNY Speech Lab is being constructed during the 2014 Spring and Summer sessions, and will serve as the center of my research career beginning in Fall 2014. Naturally, it is desirable to make a large impact right from the beginning. As described below, I will need a graduate student to assist in (1) the design and creation of materials for a speech perception experiment, (2) the setting up of experimental procedures, and (3) training of undergraduate research assistants. It is also expected that the graduate student (from Linguistics or Speech and Hearing Sciences) will also take part in the dissemination of results. With this support from CUNY, the CSI-CUNY Speech Lab will be propelled into its first year, and beyond.

Relevant Publications & Scholarship

-Refereed Publications-

Bishop, J. (submitted). Sonority effects on English word segmentation: Evidence for syllable-based strategies in a stress-timed language. Submitted to Cognition on 3/12/2013.

Bishop, J. & Keating, P. (2012). Perception of pitch location within a speaker's range: Fundamental frequency, voice quality and gender. Journal of the Acoustical Society of America 132(2), 1100-1112.

Bishop, J. (2012). Information structural expectations in the perception of prosodic prominence. In G. Elordieta and P. Prieto (Eds.) Prosody and Meaning (Interface Explorations). Berlin: Mouton de Gruyter.

-Other publications-

Bishop, J. & Toda, K. (to appear). Syllabification, sonority, and spoken word segmentation: evidence from word-spotting. Proceedings of the 47th Meeting of the Chicago Linguistics Society.

Bishop, J. (2012). Focus, prosody, and individual differences in "autistic" traits: evidence from cross modal semantic priming. UCLA Working Papers in Phonetics 111, 1-26.

Bishop, J. (2011). English listeners' knowledge of the broad versus narrow focus contrast. Proceedings of the International Congress of Phonetic Sciences XVII, 312-315.

Abner, N. & Bishop, J. (Eds). (2009). Proceedings of the 27th West Coast Conference on Formal Linguistics. Cascadia Press.

Bishop, J. (2008). The effect of position on the realization of second occurrence focus. Proceedings of Interspeech 2008, 869-872.

Bishop, J. (2007). Incomplete neutralization in Eastern Andalusian Spanish: perceptual consequences of durational differences involved in s-aspiration. Proceedings of the International Congress of Phonetic Sciences XVI, 1765-1768.

-Invited Talks-

Bishop, J. (2014). Prominence vs. phrasing in syntactic parsing". Syntax+ seminar, Linguistics Department, University of Southern California, To take place in January 2014.

Bishop, J.(2013). Prosodic structure primes relative clause attachment". Stony Brook Linguistics Brown Bag talk, Department of Linguistics, Stony Brook University, 13 November 2013.

Bishop, J. (2013). Individual differences in the perception and processing of prosody". Hearing Seminar, Center for Computer Research in Music and Acoustics, Stanford University, 13 March 2013.

Bishop, J. (2013). Implicit phrasing and prominence influence relative clause attachment: evidence from prosodic priming". Colloquium talk, University College London Linguistics Department, 22 February 2013.

-Conference Presentations-

Jun, S-A. & Bishop, J. (2013). Implicit phrasing and prominence influence relative clause attachment: evidence from prosodic priming". Paper to be presented at the West Coast Conference on Formal Linguistics 31, Arizona State University, 8-10 February 2013

Jun, S-A. & Bishop, J. (2013). Implicit prosodic priming in relative clause attachment". Paper presented at The 87th Annual Meeting of the Linguistic Society of America, Boston, MA, 3-6 January 2013.

Bishop, J. (2012). Information structure, prosodic prominence and individual differences: evidence from on-line processing". Paper presented at Generative Linguistics in the Old World 35 (Workshop on the Production and Perception of Prosodically-Encoded Information Structure). University of Potsdam, Germany, 27 March 2012.

Bishop, J.(2012). The role of listeners' autistic traits in the interpretation of prosody and contrastive Focus". Poster presented at the Conference on Sources of Individual Linguistic Differences, University of Ottawa, Canada, 2-4 March 2012.

Bishop, J. (2012).The role of prosody and information structural interpretation in lexical processing: evidence from cross-modal associative priming". Paper presented at the 86th Meeting of the Linguistic Society of America, Portland, Oregon, 5-8 January 2012.

Bishop, J.(2011). Prosodic prominence and information structural interpretation in on-line lexical processing". Poster presented at Experimental and Theoretical Advances in Prosody 2, McGill University, 23-25 Sept. 2011.

Bishop, J.(2011). English listeners' knowledge of the broad versus narrow focus contrast". Paper presented at the International Congress of Phonetic Sciences XVII, Hong Kong, 17-21 August, 2011.

Bishop, J., and Toda, K.(2011). Syllabification, sonority, and spoken word segmentation: evidence from word-spotting". Paper presented at the 47th Meeting of the Chicago Linguistics Soc., Univ. of Chicago, 7-9 April 2011.

Bishop, J.(2010). Voice quality and the perception of f0 range location". Poster presented at the 159th Meeting of the Acoustical Society of America, Baltimore, Maryland, 19-23 April 2010.

Bishop, J.(2010).Narrow focus as prominence lending". Paper presented at the West Coast Conference on Formal Linguistics (Special Session on Prosody in Grammar, Acquisition and Processing), University of Southern California, 19-21 February, 2010.

Jun, S.-A., and Bishop, J.(2009). An acoustic study of the /w/ approximant in Korean". Poster presented at the 157th Meeting of the Acoustical Society of America, Portland, Oregon, 18-22 May 2009

Education

Institution	Degree	Year(s)	Discipline
-------------	--------	---------	------------

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2006-2007	William J. Fulbright Scholar	\$20,000.00	U.S. Department of State

Summer 2009	Graduate Research Fellowship	\$5,500.00	University of California, Los Angeles
Summer 2009	Institute Fellowship	\$1,872.00	Linguistic Society of America
Academic Year 2012-2013	Dissertation Year Fellowship	\$19,000.00	University of California, Los Angeles

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Bishop_budget.doc	23040	12/8/2013 11:53:06 PM
Project Description	Bishop_proposal.doc	106496	12/8/2013 11:41:09 PM
Undesirable Reviewers List	Undesirable_reviewers.doc	19968	12/8/2013 11:43:31 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00

Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Subject Payments Payment is needed for the 100 subjects who will take part in the perception experiment. A fairly large number is needed, due to the number of conditions, and the fact that individual differences are being studied.		1000.00 0.00	1000.00
Released Time Release time is requested to supervise and train the graduate student, undergraduate research assistance, and setting up the opening semester of the CSI Speech Lab for use by the rest of the English Department and the rest of the CUNY community.	Fringe Benefit Expense	3000.00 1248.00	4248.00
Research Staff A graduate student who is competent in phonetics and speech science is required to design, record, and carry out speech synthesis for experimental stimuli. Assistance is also needed with execution and analysis.	Fringe Benefit Expense MTA Payroll Tax	5000.00 492.00	5492.00
		Total	10740.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-202 Rank: Associate Professor Tenured: Yes College: CITY COLLEGE Panel: Art History, Visual Arts, Communication Arts & Sciences Discipline : Art History Co-PI :	Name : Indych-Lopez, Anna Address : Telephone : Email:
---	---

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department ART

Title of Proposed Project: The Mexico City Visual Culture Reader
--

Brief Abstract

The Mexico City Visual Culture Reader is a scholarly anthology that I am currently researching and editing for publication. I seek funding for travel to Mexico City to consult key archives. The book critically explores the heterogeneous visual culture of Mexico City (the third largest city in the world) to ask the essential questions: How have artists constructed images of the city and fashioned its identity and meanings across the twentieth century? How has this city inspired artistic production? The book will begin with my comprehensive introduction and will be illustrated with archival photography that I will compile and curate as an extended visual essay. As the editor, I will bring together seminal essays—both newly commissioned and previously published—from scholars in diverse disciplines, uniting discrete voices from distinct generations, institutions, and countries, and balancing English-language scholarship with critical literature from Latin America itself.

Relevant Publications & Scholarship

BOOKS

co-author with Leah Dickerman. Diego Rivera: Murals for the Museum of Modern Art. New York: MoMA, 2011.

Muralism without Walls: Rivera, Orozco, and Siqueiros in the United States, 1927-1940. University of Pittsburgh Press

Series: Illuminations: Cultural Formations of the Americas

Date of publication: November 2009

Winner: CAA's Wyeth Foundation for American Art Publication Grant, 2008

BOOK UNDER CONTRACT

Judy Baca, commissioned monograph, part of the A Ver: Revisioning Art History series, UCLA Chicano Studies Research Center, to be published by University of Minnesota Press.

Expected date of publication: 2015

BOOK AND CATALOGUE ESSAYS/JOURNAL ARTICLES

"Technology, Labor, and Realism: Diego Rivera's Secretaría de Educación Pública Murals." In Araceli Tinajero and J. Brian Freeman, eds. *Technology and Culture in Twentieth-Century Mexico*. University of Alabama Press, 2013.

"Mexican Muralism in The United States: The Controversies and Paradoxes of Patronage and Reception." In *Mexican Muralism: A Critical History*. Berkeley: University of California Press, 2012.

"Alfredo Ramos Martinez: Indians, Hollywood, and the Los Angeles Times." In *MEX/LA: Mexican Modernism(s) in Los Angeles 1930-1985* exh. cat. Long Beach, CA: The Museum of Latin American Art, 2011. (Part of the Getty's Pacific Standard Time initiative)

"Hecho para E.U.A.: de Orozco, Los horrores de la Revolución." In Ernesto Lumberras, ed. *La zarza rediviva: J.C. Orozco a contraluz*. Mexico: Instituto Cultural Cabañas, 2010, 261-270.

"Making Nueva York Moderna: Latin American Artists, the International Avant-Gardes, and The New School." In *Nueva York, New York Historical Society*, 2010.

"'An Abstract Courbet': The Cubist Spaces of Diego Rivera's Murals." In *Diego Rivera in Paris: The Cubist Portraits*. exh. cat. Dallas, TX: The Meadows Museum, Southern Methodist University, 2009.

"Mural Gambits: Mexican Muralism in the United States and the 'Portable' Fresco." *Art Bulletin* LXXXIX, no. 2 (June 2007): 286-304.

"'None of Those Little Donkeys for Me': Tamayo, Cultural Prestige, and Perceptions of Modern Mexican Art in the United States." *Tamayo: A Modern Icon Reinterpreted*, exh. cat. Mexico: Turner Libros and Santa Barbara Museum of Art, 2007, 343-365

"Between Worlds: Anita Brenner, Transcultural Identity, and Mexican Art in New York." *Anita Brenner: Visión de una época*. Mexico: Editorial RM, 2007, 41-51.

"Between the National and Transnational: Aspects of Exhibiting Modern and Contemporary Mexican Art at the Americas Society." *A Principality of its Own: Forty Years of Visual Arts at the Americas Society*, eds. Gabriela Rangel and José Luis Falconi, Harvard University Press, 2006, 84-99.

"Mexican Curios: Rivera, Orozco, Siqueiros and The Mexican Arts Exhibition of 1930-32," *Latin American Essays*, MACLAS (Middle Atlantic Council of Latin American Studies) XIX (Summer 2006): 1-14. Winner: James Street Prize for best article.

Education

Institution	Degree	Year(s)	Discipline
New York University	B.A.	1993	Art History
Institute of Fine Arts, New York University	M.A.	1995	Art History
Institute of Fine Arts, New York University	Ph.D.	2003	Art History

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2011-2012	Diego Rivera and The Problem of Realism	\$5,800.00	PSC-CUNY Research Award
2010-2011	Judy Baca: Negotiating Communities and Social Spaces	\$3,990.00	PSC-CUNY Research Award
2007-2009	Muralism without Walls	\$6,000.00	PSC-CUNY Research Award
2006	Muralism without Walls	\$2,255.00	PSC-CUNY Research Award

Attachments

Description	File Name	File Size	Date Attached
Project Description	Indych_Lopez_ArtHistory_Project_Des	167824	12/5/2013 4:34:10 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA	0.00 0.00	0.00

	Payroll Tax		
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel Travel to Mexico City for 2 weeks in Summer 2014 to consult the following archives: 1. Hemeroteca, UNAM (Universidad Nacional Autónoma de México; National Autonomous University of Mexico) 2. Archivo General de la Nación 3. Fototeca Nacional SINAFO-INAH 4. Archivo Histórico del Distrito Federal. Airfare will cost \$750; Taxis will cost \$200 (to/from airport); Per diem (Meals and incidental expenses) will be \$1652.00 (\$118/day x 14 days); \$660 for hotels (\$165 x 4 days; I am saving on hotels by staying with friends and family for the majority of the time).		3262.00 0.00	3262.00
		Total	3262.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-739	Name : Herzog, Amy
Rank: Associate Professor	Address :
Tenured: Yes	
College: QUEENS COLLEGE	Telephone :
Panel: Art History, Visual Arts, Communication Arts & Sciences	Email:
Discipline : Communication Arts & Sciences	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department MEDIA STUDIES

Title of Proposed Project:

Architectures of Exchange: Peep Shows and Public Space in Times Square, 1965-1975

Brief Abstract

This project encompasses ongoing research for a monograph examining the emergence of pornographic peep show arcades in Times Square in the late 1960s. The book explores numerous facets of New York's red light district during this period, with chapters addressing the adaptation of film technologies by pornographers, shifts in real estate and zoning, legal and cultural discourses of privacy, feminist responses to pornography, contemporaneous experimental art, and the politics of cruising. With a particular focus on broader transformations in capitalism and representation coinciding with this moment, I argue that the architectural structures and the human traffic that shaped the porn arcades provide significant insights into a transformational moment in an evolving affective economy. Moreover, I point to an ethos of exchange present in both queer pornographic and experimental artistic practices, an ethos that suggests an alternative, shadow economy with unexplored potentials. I am seeking support for two research trips as well as funding for publication preparation and supplies.

Relevant Publications & Scholarship

BOOK:

Dreams of Difference, Songs of the Same: The Musical Moment in Film.
Minneapolis: University of Minnesota Press, 2009.

EDITED COLLECTION:

The Oxford Handbook of Sound and Image in Digital Media, ed. Carol Vernallis, Amy Herzog, and John Richardson. New York: Oxford University Press, 2013.

CHAPTERS IN EDITED COLLECTIONS:

"Charm the Air to Give a Sound": The Uncanny Soundscape of Punchdrunk's Sleep

No More.” The Oxford Handbook of Sound and Image in Digital Media, ed. Carol Vernallis, Amy Herzog, and John Richardson. New York: Oxford University Press, 2013.

“Memento Mori: Reflections on the Art of the Tableau.” The Morbid Anatomy Anthology, Vol. 1. Ed. Joanna Ebenstein and Colin Dickey. New York: Morbid Anatomy Library, 2013.

“Fictions of the Imagination: Habit, Genre, and the Powers of the False.” Deleuze and Film. Ed. David Martin-Jones and William Brown. Edinburgh: Edinburgh University Press, 2012.

“Fetish Machines: Peepshows, Cooptation, and the Evolution of Cultural Adaptation.” Adaptation Theories. Ed. Jillian St. Jacques. Maastricht, The Netherlands: Jan Van Eyck, 2011 (resulted from PSC-CUNY funding).

“Becoming-Fluid: History, Corporeality, and the Musical Spectacle in Film.” Afterimages of Gilles Deleuze’s Film Philosophy. Ed. D.N. Rodowick. Minneapolis: University of Minnesota Press, 2009.

“Primal Scenes: Sigmund Freud, Coney Island, and the Staging of Domestic Trauma.” The Coney Island Amateur Psychoanalytic Society and its Circle. Ed. Zoe Beloff. New York: Christine Burgin, 2009.

Suspended Gestures: Schizoanalysis, Affect, and the Face in Cinema.” Deleuze and the Schizoanalysis of Cinema. Ed. Ian Buchanan and Patricia MacCormack. London: Continuum Press, 2008.

ARTICLES IN PEER-REVIEWED JOURNALS:

“Architectural Fictions: Renderings, Rats, and the Virtualization of Urban Space.” Semiotic Review, special issue on Parasites, ed. Matthew Wolf-Meyer (April 2013), <http://tinyurl.com/architecturalfiction>.

“In the Flesh: Space and Embodiment in the Pornographic Peepshow Arcade.” The Velvet Light Trap 62 (Fall 2008): 29-43.

Education

Institution	Degree	Year(s)	Discipline
Bard College	B.A.	1994	Film and Gender Studies
University of Rochester	M.A.	2000	Visual and Cultural Studies
University of Rochester	Ph.D.	2004	Visual and Cultural Studies

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
		\$6,000.00	

2009-2010	Fetish Machines: Technology, Spectatorship, and the Afterlife of Film Culture		PSC-CUNY Research Award
2008-2009	Suspended Gestures: Corporeality, Affect, and Spectatorship in Cinema	\$5,200.00	PSC-CUNY Research Award

Attachments

Description	File Name	File Size	Date Attached
Project Description	HerzogProjectDescription.pdf	48900	12/15/2013 11:08:56 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
General Office Supplies/Xeroxing These funds are requested primarily for photocopying and reproduction fees for archival materials accessed during research trips, and at the New York Public Library and other local collections.		150.00 0.00	150.00
Manuscript Preparation/ Publication Costs Estimated expenses for high resolution scans of artifacts and photographs to be incorporated into the print publication and digital companion site.		200.00 0.00	200.00
Research Supplies Media storage for the digital companion site for the volume requires a large external storage drive, \$250 (G-Technology G-DRIVE 3TB External Hard Drive, 0G01973). I am requesting an additional \$300 for publications and DVDs required for the project, and not currently available via the CUNY collection. These works include: Borden, Lizzie, director. Working Girls (1986). DVD. New York: First Run Features, 2007. Bronstein, Carolyn. Battling Pornography: The American Feminist Anti-Pornography Movement, 1976-1986. New York: Cambridge UP, 2011. Darden, Douglas. Condemned Building: An Architect's Pre Text. Princeton, NJ: Princeton Architectural Press, 1993. MacKinnon, Catherine A. and Andrea Dworkin, eds. In Harm's Way: The Pornography Civil Rights Hearings. Cambridge, MA: Harvard UP, 1998. Taormino, Tristan, et al., eds. The Feminist Porn Book. New York: Feminist Press, 2013.		550.00 0.00	550.00
Domestic Travel Research trip to Los Angeles, CA to visit three collections (UCLA Film Collection, private Panoram film collection, and the International Arcade Museum Library in Pasadena), September 3-8th, 2014 (\$1400). This trip will require a car rental as travel between these sites is not realistic via public transportation. I am able to stay with colleagues at no cost to offset these fees. Flight and related fees: \$500; car rental: \$450 with fees; parking, gas, and incidentals: \$100; per diem (meals only): \$350. A second trip is planned to Miami, FL in April 2015 to visit a private collection housing original Panoram peep show booths, loops, and ephemera used in Times Square arcades (\$1200). Flight and fees: \$380; car rental (location not accessible by public transportation) \$380; per diem (meals and lodging): \$440.		2600.00 0.00	2600.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-36 Rank: Assistant Professor Tenured: No College: JOHN JAY COLLEGE OF CRIMINAL JUSTICE Panel: Art History, Visual Arts, Communication Arts & Sciences Discipline : Art History Co-PI :	Name : Calirman, Claudia Address : Telephone : Email:
---	--

Human Subject Use Yes
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? Yes
 Department ART AND MUSIC

Title of Proposed Project: A Story from the Margins: Women Artists from Brazil and Chile
--

Brief Abstract

This study focuses on prominent women artists from Brazil and Chile from the 1970s and 1980s, who appropriated the term “marginality” as a means of opting out of mainstream ideology and politics. These artists wanted to dissociate themselves from dictatorships which ruled both countries while searching for an experimental practice. Through case studies of artists Lygia Pape, Diamela Eltit, Anna Maria Maiolino, Anna Bella Geiger, and Lotty Rosenfeld, points of convergence and divergence between the artistic practices in Brazil and in Chile will be discussed. These artists embraced marginality, affirming their distance from mainstream culture. They also refused to be labeled feminists even if their work dealt with the complexities related to women’s identity in society. I will argue that these artists looked at gender differences not as a highly polarized concept, as if they were already living in a state of “post-feminism.”

Relevant Publications & Scholarship

Books

-Brazilian Art under Dictatorship: Antonio Manuel, Artur Barrio, and Cildo Meireles (Duke University Press, 2012).
 -"Antonio Manuel: The Politics of Irreverence," in Antonio Manuel: I Want to Act, Not Represent!, Claudia Calirman, Alexandra Garcia, and Gabriela Rangel, eds. (Americas Society and Associação para o Patronato Contemporâneo, Brasil, 2011), 6-21.

Scholarly Journals

-“Lygia Pape and Anna Maria Maiolino: ‘Epidermic’ and Visceral Works,” Woman’s Art Journal (fall/winter 2014, volume 35, number 2), 19-27.
 - "Chris Burden: Extreme Measures," New Museum, New York. caa. reviews online

(summer 2014). -“Interventions in the Social Landscape: Parallels between Brazilian Artistic Actions and the Chilean Avanzada,” in Source: Notes in the History of Art, vol. XXXI, no. 3, spring 2012 (New York: Art Brevis Foundation), 36-42.

Professional Experience:

First Faculty selected to teach at the Macaulay Honors Program at John Jay College of Criminal Justice, CUNY, (2013/2014)

John Jay College, CUNY (Department of Art & Music) (Fall 2010-Present)

Location One, New York, Senior Curator (2009-2010)

The Museum of Modern Art, New York, Instructor and Lecturer (2004-2012)

Education

Institution	Degree	Year(s)	Discipline
The New School for Social Research	M.A.	1994	Liberal Arts
Graduate Center, The City University of New York	M.Phil	2001	Art History
Graduate Center, The City University of New York	Ph.D.	2004	Art History

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014	PSC-Cuny, Award B	\$6,000.00	CUNY
spring 2014	Faculty Fellowship Publications Program	\$4,000.00	CUNY
2013	Arts Writers Grant	\$50,000.00	Creative Capital/Warhol Foundation
2011	PSC-CUNY, Award A	\$3,500.00	CUNY
2012	Stewart Travel Award	\$500.00	CUNY
2013	Faculty Scholarly Excellence Award	\$8,000.00	John Jay College
2013	13th Arvey Foundation Book Award for best book of the year: Brazilian Art under Dictatorship	\$1,000.00	Association for Latin American Art (ALAA)

Attachments

Description	File Name	File Size	Date Attached
Project Description	Calirman_PSCCUNY-2013.doc	50399	12/17/2013 11:58:08 AM

Budgets

Description			Requested Amount
-------------	--	--	------------------

Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel In July 2014, I will travel to Brazil and Chile to conduct an extensive		2500.00 0.00	2500.00

amount of research in important libraries and archives. In Rio de Janeiro, Brazil, I will research at the archives of the library of the Museum of Modern Art of Rio de Janeiro, at the National Library, and at the archives of the newspaper O Globo. I will conduct interviews with artists Anna Bella Geiger and the late Lygia Pape's daughter Paula Pape. I will also interview the art critic Paulo Herkenhoff for this project. Airline Ticket: New York-Rio de Janeiro-New York- \$1,200.00 From Rio de Janeiro, I will go to São Paulo to conduct research in the archives of Institute Itaú Cultural and at the library of the University of São Paulo (USP). I will also interview the artist Anna Maria Maiolino as one of the main sources for this project. Airline Ticket: Rio de Janeiro-São Paulo-Rio de Janeiro-\$400.00 I will also go to Santiago, Chile, where I will interview the artists Diamela Eltit and Lotty Rosenfeld, and the art critic Nelly Richard. There, I will research at the archives of the Universidade de Chile. Airline Ticket: Rio de Janeiro- Santiago-Rio de Janeiro-\$900.00			
<p>Summer Salary (Principal Investigator)</p> <p>I need funds to cover my living expenses in New York during the remainder part of the summer 2014. Upon my return to the U.S., I will be working full time conducting research for this project, writing, and further developing the manuscript. I will conduct research at the digital video library of the Hemispheric Institute of Performance and Politics at New York University, the archives for Latin American, Iberian and Latino Studies at Princeton University Library, and the library and archives of the Museum of Modern Art (MoMA). MoMA has relevant secondary materials related to this project which will help me shape the scope of this research.</p>	Fringe Benefit Expense	2715.00 784.64	3499.64
		Total	5999.64

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-90 Rank: Associate Professor Tenured: Yes College: HUNTER COLLEGE Panel: Art History, Visual Arts, Communication Arts & Sciences Discipline : Visual Arts Co-PI :	Name : Leist, Reiner Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials Yes (attached to application, 2MB limit)

List of Supplementary Material Project Description including small images

Will Interviews be Conducted? No

Department ART

List of Undesirable Reviewers No

Title of Proposed Project: Serial Photography, Reiner Leist, Window. October Eleven.
--

Brief Abstract

SERIAL PHOTOGRAPHY Reiner Leist Window. October Eleven. Abstract

In general, the methodology of my work centers on long term, serial photography –based, projects that examine the relationships between individual lives, societies and history.

By 2015, I will have kept a 20-year watch over the lower third of downtown Manhattan for my project entitled Window. From my 26th-floor window overlooking New York City's Eighth Avenue, I have recorded the view almost day after day with the help of my large-format antique cameras. The result is a massive, evolutionary work with a selection of images from it scheduled for exhibitions in 2015/2016.

A first publication of this work was issued in 1998 (Window, Nazraeli Press), a second one (Window. Eleven Septembers, Prestel Publishing) in 2006 together with three exhibitions in New York, Berlin and Munich, showing all images made in the month of September over the period of eleven years from 1995 through 2005. "Window. October Eleven" will be the third major installment of the project in the form of exhibitions.

Relevant Publications & Scholarship

Publications

Reiner Leist, ANOTHER COUNTRY South Africa: New Portraits, Jacana Media, 2014

Reiner Leist, Window: Eleven Septembers
in:
Eminent Domain, Contemporary Photography and the City,
Edited by Stephen C. Pinson, 80 pages,
68 color and black-and-white photographs, Softcover,
New York Public Library, 2008
(Contribution resulted from PSC-CUNY funding)

Reiner Leist, Window: Eleven Septembers,
Text by Ludger Derenthal, Jonathan Santlofer,
512 pages, 249 duotone plates, Hardcover
Prestel Publishing, 2006
(Resulted from PSC-CUNY funding)

Reiner Leist: American Portraits,
Texts by Vicki Goldberg, Claus Leggewie, Christoph Menke
176 pages, 104 duotone plates, Hardcover
Prestel Publishing, 2001

Reiner Leist: Window,
Text by Reinhard Matz, 276 color plates, Hardcover
Nazraeli Press, 1998

Reiner Leist, South Africa: Blue Portraits,
Text by Wulf Herzogenrath
(English Edition)
Nazraeli Press, 1993
Reiner Leist, Südafrika: Blue Portraits,
Text by Wulf Herzogenrath
(German Edition)
Nazraeli Press, 1993

Exhibitions, Public Art and Stage Projects

Incheon Women Artists Biennale 2009. Seven Minutes
Incheon, Korea, (August 1-August 31)

Art Cologne 2009, Reiner Leist: Window at Walter Storms Gallery
Germany, 2009 (April 22-April 26) (Art Fair)

Galerie Walter Storms, München Reiner Leist: Window
(January 13, 2009 – February 21, 2009)

New York Public Library, NYC Eminent Domain: Contemporary Photography and
(May 2, 2008 - August 29, 2008) the City (with Thomas Holton, Bettina Johae, Zoe
Leonard, Glenn Ligon, Ethan Levitas)

Norton Museum of Art, Palm Beach, Florida Big Picture (with Chuck Close, Thomas
Demand,
(July 7 – September 23, 2007) Elger Esser, Candida Höfer, Jeff Chien-Hsing Liao,
Valerie Belin, Teresa Hubbard/Alexander Birchler, Joseph Bartscherer, Stephen
Loffelhardt, Jeff Wall)

Galerie Walter Storms, München, 2007 30 Years Walter Storms Gallery
Germany, 2007 (June 22-July 28) (Group show)

Art Cologne 2007, Reiner Leist: Window at Walter Storms Gallery
Germany, 2007 (April 18-April 22) (Art Fair)

Museum für Fotografie, Berlin, 2006/2007 Reiner Leist: Window
Staatliche Museen zu Berlin (National Museum)
(September 8, 2006–January 14, 07)

Art Cologne 2006 Reiner Leist: Window at Walter Storms Gallery
Germany, 2006 (November 1-November 5) (Art Fair)

Julie Saul Gallery, New York, 2006 Reiner Leist: Eleven Septembers
(September 5–October 14)

Galerie Walter Storms, München, 2006 Reiner Leist: Window
(September 8–October 10)

ifa-Gallery Berlin, Portraits (Art ConneXions, Goethe, ifa)
Germany, 2006 (August 30-October 29) (Group show)

ifa-Galerie Stuttgart, Portraits (Art ConneXions, Goethe, ifa)
Germany, 2006 (June 9-August 20) (Group show)

National Museum of Art, Hanoi, Portraits (Art ConneXions, Goethe, ifa)
Vietnam (April 28 – May 15) (Group show)

National Museum of Art, Jakarta, Portraits (Art ConneXions, Goethe, ifa)
Indonesia, 2006 (March 7- March 28) (Group show)

Royal Melbourne Institute of Technology Portraits (Art ConneXions, Goethe, ifa)
RMIT Gallery, Melbourne, Australia (Group show)
2005/2006 (Nov 24, 05 – Jan 28, 06)

Goethe Institute, Singapore Portraits (Art ConneXions, Goethe, ifa)
2005 (Aug 18 – Aug 31) (Group show)

Deutsches Historisches Museum, Berlin, 2004 Reiner Leist: American Portraits
I.M. Pei - Building (National Museum)
(July 15–October 3)

Kunsthau Kaufbeuren, Germany, 2004 In Series I (Portraits by Reiner Leist, Horst
(July 30- September 19) Neumann, Jan Wenzel)

Leubsdorf Art Gallery, Hunter College, 2004 Photography Faculty (Roy DeCarava,
(March 18-May 8) Reiner Leist, Juan Sanchez, Brian Wood)

Stiftung Moritzburg, Halle, 2004 Reiner Leist: American Portraits
Landeskunstmuseum Sachsen-Anhalt
(State Museum)
(February 28–May 2)

World Trade Center Memorial, WTC Memorial phone booths (proposal,

Competition, New York, 2003 Entry # 683751, not realized)

Amerika Haus München e.V.,
Munich, 2003 Reiner Leist: American Portraits
(March 20–May 30)

Städtische Galerie im Stadtteater,
Ingolstadt, 2003 Reiner Leist: American Portraits
Ausstellung Kunstpreis der Stadt Ingolstadt 2002
(January 25–February 23, 2003)

Chuo Library Musashino, Tokyo, 2002 Green Library (Public Art Project), Co -
Curator and
participating artist (Group show)

Galerie Walter Storms, München, 2001 Reiner Leist: 360°

Staatliche Galerie Moritzburg, Halle, 2000 Reiner Leist: Window

Kent Gallery, New York, 1999 (Group show) Xmas ("Yours") (Group show)

Kunst+Kommunikation, München, 1999 Reiner Leist: Window

Städtische Galerie Harderbastei, Ingolstadt, 1999 Reiner Leist: Window

Goethe House, New York, 1997 Reiner Leist: Window

National Arts Club, New York, 1996 South Africa: Blue Portraits
Contemporary South African Art (Group show)

Meridian Int. Center, Washington, D.C., 1995 South Africa: Blue Portraits

Galerie Marktschlösschen, Halle 1994 South Africa: Blue Portraits

Städtische Galerie Harderbastei, Ingolstadt, 1995 South Africa: Blue Portraits

Goethe Institute, Rotterdam, 1994 South Africa: Blue Portraits

Old Town House Museum, Cape Town, 1994 South Africa: Blue Portraits

Market Gallery, Johannesburg, 1994 South Africa: Blue Portraits

Fotomuseum München, 1993/1994 South Africa: Blue Portraits

Michaelis Gallery, Cape Town, 1992 Crosscomposition

Fotografie an der Akademie, Munich 1992 Photography at the Academy
(Group show)

Nico Malan State Theatre Cape Town, 1990 Die Park by Botho Strauss, set and
photography

National Arts Festival Grahamstown Macbeth by Heiner Müller, set and photography
South Africa, 1989

Documenta 7, Kassel Untitled (Rich (wo)man, poor (wo)man)
Germany, 1987 (installation proposal, not realized)

Education

Institution	Degree	Year (s)	Discipline
School of Visual Art	MFA Photography and Related Media	1996	Visual Art and Photography
Akademie der Bildenden Künste, München	1. Staatsexamen	1992	Visual Art and Art Education
University of Cape Town	B.A. Fine Art	1990	Visual Art and Photography

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2005-2006	PSC-CUNY Award #: 67296-00 36	\$3,505.00	RFCUNY

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	PSC_Award_Appl_Budget_Justification	83610	12/14/2013 4:21:48 PM
Project Description	PSC_CUNY_45_Enhanced_App_Leist_Proj	54352	12/14/2013 4:27:17 PM
Supplementary Material	Reiner_Leist,_WINDOW_Installation_(74202	12/14/2013 4:28:43 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit	0.00 0.00	0.00

	Expense MTA Payroll Tax		
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Detailed Budget Justification Supplies and Materials WINDOW October Eleven 20 images approximately 80 x 100 inches. The number of images selected for the exhibition is set as twenty. The size and materiality (transparency or silver-gelatin prints), will develop over the next year and a half with the curatorial process unfolding. The budgeted amounts cover photographic materials, but may also include necessary professional services as mounting/framing and related services for image production. 20 photographs (1995-2015) (size 80 x 100 inches, materiality may vary)		12000.00 0.00	12000.00

<p>\$40,000.00 approx. \$2,000.00 The Stadthaus Ulm, Germany, has scheduled the show for December 2015/January 2016 and expects to provide approximately Euro 20,000 – Euro 25,000 towards the production of the exhibition. The grant will enable me to prepare the work up to the middle of 2015 as I am attempting to produce the work in my own laboratory and minimize the use of commercial labs. To arrive at the lowest possible cost to produce a set of proofs, each print can be tiled to be constructed out of 25 prints in 16 x 20 inch format. Assuming I can arrive at a final proof within 3-4 steps of printing, I will need two boxes of paper to make one large composite print. So I can calculate approximately \$600 (see quote below) of material costs for silver-gelatin paper made from the 8x10 inch negatives. \$600 x 20 = \$12,000 excluding the cost of chemistry, laboratory, mounting and framing. Ilford Ilfobrom Galerie Fiber-Based Paper (16 x 20", Grade 3, 50 Sheets, Glossy) B&H # ILG1650G3 ; Mfr # 1628164, \$307.99 (B&H Photo) Quote Dec 2013.</p>			
		Total	12000.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-116	Name : Gadura, Nidhi
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: QUEENSBOROUGH C.C	Email:
Panel: Biology & Earth Sciences	
Discipline : Molecular Biology	
Co-PI :	

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department BIOLOGICAL SCIENCES & GEOLOGY

Title of Proposed Project:

Study the role of copper mediated cell death in Gram negative vs. Gram positive bacteria.

Brief Abstract

Studies from our and other labs clearly demonstrate efficient and rapid killing of bacteria, fungi and viruses upon exposure to surfaces composed of copper or copper-containing alloys. However, the exact mechanism of cell death is still not fully understood. Our results indicate strong correlation between copper surface exposure and increased lipid peroxidation levels leading to faster cell death. Given the differences between the cell wall and plasma membrane of gram positive and gram negative bacteria we would like to compare the copper mediated toxicity rates of cell death between E.coli, P. aeruginosa, B. subtilis and S.aureus. This study will help us understand how differences in cell membrane might be the underlying cause in rapid cell death on copper surfaces. In view of the potential importance of copper alloy surfaces in the battle against hospital-acquired infections, it is essential to understand the mechanism of contact-mediated killing by copper.

Relevant Publications & Scholarship

Hong R, Kang TY, Michels CA, Gadura N. Appl Environ Microbiol. 2012 Mar;78(6):1776-84. Membrane lipid peroxidation in copper alloy mediated contact killing of Escherichia coli.

Ran, F., N. Gadura, and C.A. Michels, Hsp90 cochaperone Aha1 is a negative regulator of the Saccharomyces MAL activator and acts early in the chaperone activation pathway. J Biol Chem, 2010. 285(18): p. 13850-62.

N. Gadura, T. Holden, G. Tremberger, Jr, E. Cheung, P. Schneider, D. Lieberman and T. Cheung, Shannon Entropy and Fractal Analysis for the 16S Ribosomal RNA and COX2 Mt DNA Sequence. INSTICC Press; Jan 2010, Page 257-260

R. Sullivan, T. Holden, G. Tremberger, Jr, E. Cheung, C. Branch, J. Burrero, G.

Surpris, S. Quintana, A. Rameau, N. Gadura, H. Yao, R. Subramaniam, P. Schneider, S. A. Rotenberg, P. Marchese, A. Flamholz, D. Lieberman, and T. Cheung "Fractal Dimension of Breast Cancer Cell Migration in a Wound Healing Assay" Fifth International Conference on Bioinformatics, Computational and Systems Biology, Proc World Acad Sci Engr & Tech , Vol. 35, Paper -35225, October 2008.

Todd Holden, G. Tremberger, Jr, E. Cheung, R. Subramaniam, R. Sullivan, N. Gadura, P. Schneider, P. Marchese, A. Flamholz, T. Cheung, and D. Lieberman "Fractal analysis of 16S rRNA gene sequences in archaea thermophiles" Fifth International Conference on Bioinformatics, Computational and Systems Biology, Proc World Acad Sci Engr & Tech, Vol.35, Paper: 35239, October 2008.

Invited to review Human Genetics Concepts and Applications, 7th Edition, Ricki Lewis, McGraw Hill textbook. Review submitted in Aug. 2006.

Gadura, N. and C.A. Michels, 2006. Sequences in the N-terminal cytoplasmic domain of *Saccharomyces cerevisiae* maltose permease are required for vacuolar degradation but not glucose-induced internalization. *Curr Genet*. 50:101-14.

Gadura N, Robinson LC, Michels CA, 2006. Glc7-Reg1 phosphatase signals to Yck1,2 casein kinase 1 to regulate transport activity and glucose-induced inactivation of *Saccharomyces* maltose permease. *Genetics* 172:1427-39.

Lewis LA, Gadura N, Greene M, Saby R, Grindley ND, 2001. The basis of asymmetry in IS2 transposition. *Mol Microbiology* 42:887-901.

Education

Institution	Degree	Year(s)	Discipline
York College, CUNY	B.S. (Honors)	1998	Biology
Queens College, CUNY	M.Phil	2002	Molecular Biology
Graduate Center, CUNY	Ph.D.	2004	Molecular Biology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
8/1/12 - 7/31/13	Testing the impact of various CuSO ₄ concentrations on <i>Legionella pneumophila</i>	\$7,000.00	Copper Development Association
7/1/12-6/30/13	Study the role of copper induced cell death in <i>Bacillus subtilis</i>	\$3,500.00	PSC-CUNY
09/01/11 - 08/31/12	BioPREP Undergraduate Summer Research Program	\$21,246.00	NIH award to Stony Brook
07/01/11 - 06/30/12	Study the Role of Plasma Membrane Unsaturated Fatty Acids on Copper Induced <i>E.coli</i> Cell Death	\$3,500.00	PSC-CUNY

07/01/11 - 6/30/12	Role of plasma membrane lipid peroxidation in copper surface mediated contact killing in bacteria	\$10,000.00	Copper Development Association
07/01/10 – 06/30/11	Lipid Peroxidation as a Mechanism of Copper Induced Cell death in E.coli	\$3,000.00	PSC-CUNY
6/1/10 – 6/30/11	Understanding the mechanism of lipid peroxidation mediated, copper induced cell death in E.coli	\$10,000.00	Copper Development Association
07/01/10-06/30/11	Creating a State of the Art Molecular Biology Lab at QCC	\$65,568.00	NYS Department of Education
2009-2010	Modernizing biotechnology lab at QCC to revive Medical technology program	\$90,339.00	NYS Department of Education
8/25/08 – 8/24/09	To investigate the mechanism of copper-surface induced toxicity in E.coli	\$8,800.00	Copper Development Association
2008-2009	Optical CD and bioinformatics analysis to study antibiotic induced evolutionary changes in E. coli	\$30,000.00	CUNY Community College Collaborative Research Incentive

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC_CUNY_Gadura_2014.pdf	497977	11/25/2013 2:31:38 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel			

		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Summer Salary (Principal Investigator) Most of research at community college happens during summer months and so does training of students. PI will devote the summer months into moving the project forward by training QCC students so that they can continue the work over the rest of the academic year as well.	Fringe Benefit Expense	1000.00 289.00	1289.00
Research Supplies All the money will be used to purchase research related supplies: 1. Growth media for difference bacterial cultures 2. TBARS Assay Kits 3. InVitrogen Live Dead Assay kits 4. Gel electrophoresis buffers, agarose, plates, tips, microcentrifuge tubes etc.		2211.00 0.00	2211.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-302 Rank: Professor Tenured: No College: QUEENS COLLEGE Panel: Biology & Earth Sciences Discipline : Earth & Environmental Sciences Co-PI :	Name : Hemming, N. Gary Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department EARTH & ENVIRONMENTAL SCIENCE

Title of Proposed Project: Li Isotope Record of Ordovician Climate Change

Brief Abstract

Silicate weathering regulates Earth's climate by consuming CO₂ and thus resulting in a lowering of global temperature. However, the details are difficult to establish because most geochemical proxies are not simply controlled by weathering. The strontium isotope composition of sea water is a proxy for weathering rates, and high values have been linked to increased silicate weathering related to the Himalayan uplift of ancient continental crust. Lithium isotope compositions trend to heavier values through the Cenozoic, consistent with increased silicate weathering. Ordovician seawater strontium composition is linked to increased weathering as well due to the Taconic orogeny, but with low values due to a juvenile source. If increased silicate weathering in the Ordovician lead to global cooling and ultimately the end-Ordovician glaciation, then the lithium composition should trend to heavier values. The proposed research will produce a record of ⁷Li through the Ordovician to test this hypothesis and give insights into global climate change.

Relevant Publications & Scholarship

* indicates results from PSC-CUNY funding

*Foster, G.L., Hönisch, B., Paris, G., Dwyer, G. S., Raea, J.W.B., Elliott, T., Gaillardet, J., Hemming, N.G., Pascale Louvat, P., Vengosh, A., 2013, Interlaboratory comparison of boron isotope analyses of boric acid, seawater and marine CaCO₃ by MC-ICPMS and NTIMS, Chemical Geology 358, 1–14

*Penman, D.F., Hönisch, Rasbury, E.T., Hemming, N.G., Spero, H.J., 2012, Boron, carbon, and oxygen isotopic composition of brachiopod shells: Intra-shell variability, controls, and potential as a paleo-pH recorder, J. Chemical Geology 340, 32–39.

Wei, H.Z., Jiang, SY, Hemming, N.G., Yang, J.H., Xiao, Y.K., Yang, T., Yan, X., Yan,

Y., 2011, Emission Mechanism of Polyatomic Ions Cs₂Cl⁺ and Cs₂BO₂⁺ in Thermal Ionization Mass Spectrometry with Various Carbon Materials, *Journal of Physical Chemistry* 115, 14570-14580.

*Sahajpal, R., Zimmerman, S, Datta, S., Hemming, N.G., Hemming, S.R., 2011, Assessing Li and other leachable geochemical proxies for paleo-salinity in lake sediments from the Mono Basin, CA (USA), *Geochimica et Cosmochimica Acta*, 75, 7855-7863.

Zimmerman, S.R.H., Hemming, S.R. Lajoie, K.R. Hemming, N.G. Tomascak, P.B. and Pearl, C., 2011, High-resolution chemostratigraphic record of late Pleistocene lake-level variability, Mono Lake, CA. *GSA Bulletin*, 123, 2320-2334.

Zimmerman, S.R., Pearl, C. Hemming, S.R. Tamulonis, K. Hemming, N.G. Searle, S.Y., 2011, Lake-level control of ice-rafted debris in the last glacial period at Mono Lake, California. *Quaternary Research* 76, 264-271.

Simons, K., Harlow G.E., Brueckner, H.K., Goldstein, S.L., Sorensen, S.S., Hemming, N.G., and Langmuir, C.H., 2010, Lithium isotopes in Guatemalan and Franciscan HP-LT Rocks, 2010. *Geochimica et Cosmochimica Acta* 74, 3621-3641.

Hönisch, B, Hemming, N.G., Archer, D., Siddall, M., and McManus, J.F., 2009, Atmospheric carbon dioxide concentration over the Mid Pleistocene Transition, *Science* 324, 1551-1554 [DOI: 10.1126/science.1171477]

*Hemming, N.G., 2009, Isotopes illuminate chemical change: Boron isotope pH proxy, In: Zaikowski, L., Friedrich, J. M., and Seidel, S. R., Eds., *Chemical Evolution II: From Origins of Life to Modern Society*, American Chemical Society Special Publication, V. 1025, DOI: 10.1021/bk-2009-1025.ch009, ISBN13: 780841269804, eISBN: 9780841225084.

Hönisch, B., Bickert, T., and Hemming, N. G., 2008. Modern and Pleistocene boron isotope composition of the benthic foraminifer *Cibicides wuellerstorfi*. *Earth and Planetary Science Letters* 272, 309-318.

*Hönisch, B., Yu, J., and Hemming, N. G., 2008. Pleistocene records of marine carbonate chemistry. *PAGES News* 16, 11-12.

Education

Institution	Degree	Year(s)	Discipline
Kent State University	B.A.	1975	Psychology
Kent State University	M.Ed.	1976	Education
Tulane University	M.S.	1985	Geology
SUNY Stony Brook	Ph.D.	1993	Geology

Other Current & Past Funding (last 5 years)

--	--	--	--

Period	Title	Amount	Funding Source
1/1/10-present	Acquisition of Mass Spectrometers for Earth Systems Science Research at Stony Brook University	\$1,200,000.00	NSF
8/1/09-12/31/10	Improvements in Thermal Ionization Mass Spectrometry for Boron Isotope Analysis,	\$5,400.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY_final.pdf	511938	12/10/2013 5:27:57 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Expendable items such as acids, pipette tips, ion exchange resins, and sample vials will be necessary for sample preparation and analysis. It is estimated from past experience that these items will cost about \$500.		500.00 0.00	500.00
Laboratory Fees The goal of this proposed project is to develop analytical techniques and collect preliminary data as a seed study for future large NSF proposals. This requires significant analytical time using high precision mass spectrometry. It is estimated this project will require 30 analyses at \$100/analysis (fees established by the analytical lab)		3000.00 0.00	3000.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-264 Rank: Assistant Professor Tenured: No College: HOSTOS C.C. Panel: Biology & Earth Sciences Discipline : Biology Co-PI :	Name : Dushenkov, Vyacheslav Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department NATURAL SCIENCE

Title of Proposed Project: Medicinal plants of Central Asia: ancient tradition and current use
--

Brief Abstract

Plants from Central Asia, specifically from Turkmenistan, have been traditionally used in medicine for many centuries. Further study of historical and current medicinal plant preparations can increase the probability of successful drug development from botanical sources. The goal of this project is to gather detailed information on the use of medicinal plants from Turkmenistan, and to prepare for publication a review manuscript, based on the findings. The manuscript will focus on the application of knowledge generated in this project to further improve development of botanical therapeutic agents. Research methods include literature review, analysis of internet resources, and on site meetings with researchers and health professionals in Turkmenistan. Funds are requested for travel to Turkmenistan.

Relevant Publications & Scholarship

01.2012 – Present.
 Assistant Professor, CUNY – Hostos Community College, Bronx, NY

2007 – 05.2011
 Associate Director, Rutgers University, New Brunswick, NJ.
 Managing director of the Global Institute for BioExploration (GIBEX). Developed and administered global research and training programs in early botanical therapeutics lead discovery stretched across four continents and 18 countries. Focused on lead identification and validation, as well as preclinical development. Disease area included viral infections, bacterial infections, protozoan infections (malaria, sleeping sickness, leishmaniasis, Chagas disease), fungal infections, diabetes and metabolic disorders, cancer, inflammatory diseases, autoimmune diseases, age-related diseases and nutritional deficiencies. Acted as an operational advisor to a cross-functional project team in order to meet goals and objectives of the NIH funded program “Building new pharmaceutical capabilities in Central Asia”. Defined and managed project execution optimization, timelines, and budgets. Managed research

alliances and collaborative projects with major pharmaceutical companies.

Publications and Patents

Wu, J.-C., C.-S. Lai, S. Dushenkov, Y.-J. Wang, C.-T. Ho and M.-H. Pan (2013). Impact on Epigenetics in Cancer Chemoprevention by Natural Dietary Compounds Nutrition, Functional and Sensory Properties of Foods. C.-T. Ho, C. Mussinan, F. Shahidi and E. T. Contis. Cambridge, UK, Royal Society of Chemistry: 243-250.

Dushenkov, S., P. Lucas-Schnarre, J. B. Hirsch, D. Evans and K. Evans (2012). Compositions and methods for the prevention and treatment of conditions associated with inflammation. United States. UnApplication number 20120225053

Ho, C.-T., C.-Y. Lo, D. Tan, Y. Wang and S. Dushenkov (2011). Methods for reducing reactive carbonyl species. USA, Rutgers, The State University of New Jersey. 20110064846.

Pan, M.-H., C.-S. Lai, S. Dushenkov and C.-T. Ho (2009). "Modulation of Inflammatory Genes by Natural Dietary Bioactive Compounds." Journal of Agricultural and Food Chemistry 57(11): 4467-4477.

Sergeev, I. N., S. Li, C.-T. Ho, N. E. Rawson and S. Dushenkov (2009). "Polymethoxyflavones Activate Ca²⁺-Dependent Apoptotic Targets in Adipocytes." Journal of Agricultural and Food Chemistry 57(13): 5771-5776.

Wu, H., S. Dushenkov, C.-T. Ho and S. Sang (2009). "Novel acetylated flavonoid glycosides from the leaves of *Allium ursinum*." Food Chemistry 115(2): 592-595.

Dushenkov, V. and I. Raskin (2008). "New strategy for the search of natural biologically active substances." Russian Journal of Plant Physiology 55(4): 564-567.

Pan, M.-H., J.-H. Gao, C.-S. Lai, Y.-J. Wang, W.-M. Chen, C.-Y. Lo, M. Wang, S. Dushenkov and C.-T. Ho (2008). "Antitumor activity of 3,5,4'-trimethoxystilbene in COLO 205 cells and xenografts in SCID mice." Molecular carcinogenesis 47(3): 184-196.

Education

Institution	Degree	Year(s)	Discipline
Moscow Pedagogical State University	MS	1977	Biology, Chemistry, Science Education
Moscow Pedagogical State University	PhD	1984	Biology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
07/01/2013 - 06/30/2014	Engaging innovative Screens-to-Nature Technology in the research of plants used by Tibetan Medicine	\$6,000.00	PSC CUNY Research Award Program

Attachments

Description	File Name	File Size	Date Attached
Project Description	Dushenkov_PSC-CUNY_45.pdf	237622	12/15/2013 8:35:40 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel Airfare: New York – Moscow, Russia – Ashgabat, Turkmenistan – New York - \$2,200 Ground transportation US - \$240 Per Diem Lodging, M & IM Moscow, Russia 4 days @ \$320 - \$1,280 Per Diem Lodging, M & IM Ashkhabad, Turkmenistan 5 days @ \$209 - \$1,030 Per Diem Lodging, M & IM Mary, Tajikistan 9 days @ \$132 - 1,188 Total: - 5,938 Traveling to Turkmenistan through Russia affords utilization of the assets of Moscow libraries and implementation of research in Turkmenistan in one trip. I will fly from New York to Moscow Russia and stay in Moscow for four days. Then I will fly to Ashgabat, Turkmenistan. From Ashgabat I will conduct a five day in-country trip to Mary region. I plan to visit health practitioners in the rural areas. I will return to New York from Ashgabat. Total duration of the trip will be eighteen days out of which four days will be spent in Moscow and remaining in Turkmenistan.		5938.00 0.00	5938.00
		Total	5938.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-18 Rank: Professor Tenured: Yes College: BROOKLYN COLLEGE Panel: Biology & Earth Sciences Discipline : Earth & Environmental Sciences Co-PI :	Name : Cranganu, Constantin Address : Telephone : Email:
---	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department EARTH & ENVIRONMENTAL SCIENCE

List of Undesirable Reviewers No

Title of Proposed Project: Intelligent modeling approaches in petroleum geosciences

Brief Abstract We propose using several intelligent approaches to model missing data (e.g., acoustic log, permeability, fluid pressures or fluid saturations), while maintaining procedures that are robust, converge fast, do not overpredict mean values and thereby preserve original data variability. Using the same data set as input variables, we will benchmark the strengths and weaknesses of each intelligent approach, emphasizing essential parameters such as robustness and accuracy, speed of convergence, computer time, overlearning, and the role of normalization. The benchmarking procedure will allow us to statistically test the null hypothesis (all methods produce similar values of the essential parameters) vs. the alternate hypothesis (there are significant differences among methods in terms of the essential parameter values). In the end, we will offer a ranking of each individual method with respect to the problem considered in our research (e.g., simulating missing well logging data).

Relevant Publications & Scholarship Cranganu, C., 2014, Shale Gas and Hydraulic Fracturing - Between Myth and Reality, Integral Publishing House, ISBN 978-973-8209-22-0, 287 p. (in Romanian).

 K. Watson and C. Cranganu, 2014, The Effects of the Petrophysical Properties of Calcareous Mudstones and Limestones on Capillary Pressure Values, AAPG Datapages/Search and Discovery Article #41453, 14 p.
http://www.searchanddiscovery.com/documents/2014/41453watson/ndx_watson.pdf

 Cranganu, C., H. Soleymani, S. Azad, and K. Watson, 2014, Carbon Dioxide Sealing Capacity: Textural or Compositional Controls?, AAPG Datapages/Search and Discovery Article #41474, 35 p.
http://www.searchanddiscovery.com/pdfz/documents/2014/41474craganu/ndx_cranganu.pdf.html

 Cranganu, C., 2014, A Short History of Hydraulic Fracturing, Petroleum Industry Review, May 2014, p. 58-66, http://issuu.com/petroleumreview/docs/petroleum_review-may2014-en?Name=Value

 Cranganu, C., 2014, Hydraulic fracturing – Torn Between Myth and Fact, Oil & Gas Monitor, January 24, 2014, <http://www.oilgasmonitor.com/hydraulic-fracturing-torn-myth-fact/6563/> ;

<http://www.energynomics.ro/opinii/fracturarea-hidraulica-intre-mit-si-realitate/?lang=ro> (in Romanian)

Bahrpeyma, F., B. Golchin, and C. Cranganu, 2013, Fast fuzzy modeling method to estimate missing logs in hydrocarbon reservoirs, *J. Pet. Sci. and Eng.*, v. 112, p. 310 – 321, <http://dx.doi.org/10.1016/j.petrol.2013.11.019>

Cranganu, C., 2013, *Natural Gas and Petroleum: Production Strategies, Environmental Implications and Future Challenges*, Editor, Nova Science Publishers, New York, ISBN: 978- 1-62808-535-8540-2, 236 p.

Cranganu, C., E. Bautu, and M. Breaban, 2013, Intelligent Approaches in Upstream Oil and Gas Industry, in C. Cranganu (ed.), *Natural Gas and Petroleum: Production Strategies, Environmental Implications and Future Challenges*, Nova Science Publishers, Inc. ISBN: 978-1-62808-535-8, p. 13 -70.

Cranganu, C., and M. A. Villa, 2013, Reservoir and Non-Reservoir Rocks from the Anadarko basin: A Petrophysical Outline, in C. Cranganu (ed.), *Natural Gas and Petroleum: Production Strategies, Environmental Implications and Future Challenges*, Nova Science Publishers, Inc. ISBN: 978-1-62808-535-8, p. 71 – 100.

Cranganu, C., 2013, Using gamma ray logs in soft computing, in I. Bikkit (ed.), *Gamma Rays: Technology, Applications and Health Implications*, Nova Science Publishers, Inc. ISBN: 978-1-62257-697-5, p. 75-100.

Aja, S. U., and C. Cranganu, 2013, *Exploring the Earth System*, Kendall Hunt Publishing Co., ISBN: 978-1-4652-0696-1, 263 pp.

Cranganu, C., and Breaban, M., 2013, Using support vector regression to estimate sonic log distributions: A case study from the Anadarko Basin, Oklahoma, *J. Pet. Sci. and Eng.*, v. 103, p. 1 -13, <http://dx.doi.org/10.1016/j.petrol.2013.02.011>

Cranganu, C., 2012, *Heat flow in Oklahoma and the south central United States*, Lambert Academic Publishing, Germany, ISBN: 978-3-8484-2458-0, 196 pp.

Basem K. Moh'd, and Constantin Cranganu, 2012, Amount of Water Absorption as Controlled by Carbonate Unimodal and Bimodal Pore Structure: a Simple New Tool to Predict Petrophysical Properties, *Electronic Journal of Geological Engineering*, vol. 17, 2,485 – 2,507 <http://www.ejge.com/2012/Ppr12.210clr.pdf> .

Cranganu, C., and Saramet, M., 2011, Hydrocarbon Generation and Accumulation in the Histria Basin of the Western Black Sea, in Amy L. Ryann and Nathan J. Perkins (eds), *The Black Sea: Dynamics, Ecology and Conservation*, Nova Publishers, ISBN 978-1-61122-855-7, 243-263.

Cranganu, C., 2010, Teaching Climate Change – What Science Needs to Tell Us, in Gh. Iacob, I. Manolescu, C. Clipa, and A. Andries (eds) *Innovation and development in the Doctoral Programs for Adapting the Scientific Research to the Knowledge Society Needs*, PIM, Iasi, ISBN 606-13-0146-4, 79-85.

Cranganu, C., 2010, Teaching the Scientific method – How to Tell Science from Bunk, in Gh. Iacob, I. Manolescu, C. Clipa, and A. Andries (eds) *Innovation and development in the Doctoral Programs for Adapting the Scientific Research to the Knowledge Society Needs*, PIM, Iasi, ISBN 606-13-0146-4, 86 - 91.

Cranganu, C. 2010, Comment – On maintaining high fluid pressures in older sedimentary basins: a new hypothesis or déjà vu?, *Geofluids*, 10, 447 – 449, doi: 10.1111/j.1468-8123.2010.00288.x

Cranganu, C., and E. Bautu, 2010, Using gene expression programming to estimate sonic log distributions based on the natural gamma ray and deep resistivity logs: A case study from the

Anadarko Basin, Oklahoma, Journal of Petroleum Science and Engineering, v. 70, p. 243 – 255.

Cranganu, C., M. A. Villa, M. Saramet, and N. Zakharova, 2009, Petrophysical characteristics of source and reservoir rocks in the Histria Basin, Western Black Sea, Journal of Petroleum Geology, vol. 32(4), 357 - 372.

Cranganu, C., and B. Nitzov, 2009, Natural gas production from gas hydrates – An economic perspective, Analele Stiintifice ale Universitatii “Al. I. Cuza” Iasi, Geologie, tom LV, no.1, 25 – 38.

Cranganu, C., and M. Stewart, 2009, Geographic Information Systems (GIS) and Water Resources, in D. Leveson and W. Powel (eds), Geology: The Science of Our World, Laboratory manual (2nd ed.), Wiley, p. 119 – 134.

Cranganu, C., 2009, In-situ stimulation of gas hydrates, Journal of Petroleum Science and Engineering, v. 65, p. 76 – 80, doi:10.1016/j.petrol.2008.12.028

Education

Institution	Degree	Year(s)	Discipline
University of Bucharest	Ph.D. (ABD)	1993	Geophysics
University of Oklahoma	Ph.D.	1997	Geology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014-2015	Intelligent modeling approaches in petroleum geosciences	\$11,917.00	RF-CUNY
2010-2012	Carbon Dioxide Sealing Capacity: Textural or Compositional Controls?	\$296,884.00	DOE

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Budget_Justification_2014.pdf	12952	12/5/2013 4:44:04 PM
Project Description	Concept_Paper-PC-CUNY_2014.pdf	99135	11/24/2013 12:27:23 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary		0.00 0.00	0.00

	Fringe Benefit Expense		
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies \$1,900 (19 digital log LAS format x \$100/log). These logs will provide the raw data for our research. A prime source is IHS (www.ihs.com).		1900.00 0.00	1900.00
Research Staff PhD student, Hamidreza Soleymani: \$20 per hour x 19 hours per week x 24 weeks = \$9,120 \$9,120 x 9.5% fringe = \$9,986.40. Hamid will work toward completing his PhD thesis research. He will collect data and format them to become suitable for modeling processes (e.g., normalizing well logs parameters). He will assess the available software for the implementation of the research and will develop/write new software for the parts of modeling where software does not exist yet. He will process the outcome data and will run statistical processes to assess the status of research hypotheses.	Fringe Benefit Expense MTA Payroll Tax	9120.00 897.41	10017.41
		Total	11917.41

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-351	Name : Lee, Kangbok
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: YORK COLLEGE	Email:
Panel: Business Administration	
Discipline : Business Administration	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material None
Will Interviews be Conducted? No
Department BUSINESS ADMINISTRATION

Title of Proposed Project:

Bi-criteria scheduling models in manufacturing industries

Brief Abstract

As both customers' expectations and manufacturing complexities are increasing fast, one of the main problems that manufacturing firms have to deal with is determining the trade-offs between the Quality of Service (i.e., the customers' objectives) and profitability (i.e., the manufacturers' objectives). In this project, bi-criteria scheduling models are considered in which the customers' objective as well as the company's objective have to be optimized. The customers' objective is a traditional scheduling objective, which is a function of the completion times of the jobs. The company's objective can be the total assignment cost. When a job is assigned to a machine, a cost is incurred for this assignment.

We will provide fast algorithms for each problem or evidence that a fast algorithm is not likely to exist. For those intractable problems, fast heuristics will be proposed with their performance analysis. Summarized result will be submitted to a refereed journal for publication and will be presented at an international conference.

Relevant Publications & Scholarship

Kangbok Lee, Joseph Y.-T. Leung, Michael L. Pinedo (2012), Coordination mechanisms for parallel machine scheduling, European Journal of Operational Research 220 (2), 305–313.

Kangbok Lee, Joseph Y.-T. Leung, Michael L. Pinedo (2011), Coordination Mechanisms with Hybrid Local Policies, Discrete Optimization, 8, 513-524.

Kangbok Lee, and Byoung-Cheon Choi (2011), Two-Stage Production Scheduling with an Outsourcing Option, European Journal of Operational Research, 213,489 –497.

Kangbok Lee, Lei Lei and Michael L. Pinedo (2012) Production Scheduling with History-Dependent Setup Times, Naval Research Logistics, 59, 58–68.

Joseph Y.-T. Leung, Kangbok Lee, Michael L. Pinedo (2012), Bi-criteria scheduling with machine assignment costs, International Journal of Production Economics 139 (1), 321–329.

Kangbok Lee, Byoung-Cheon Choi, Joseph Y.-T. Leung, Michael L. Pinedo (2009), Approximation algorithms for multi-agent scheduling to minimize total weighted completion time, Information Processing Letters 109 (16), 913-917

Kangbok Lee, Joseph Y.-T. Leung, Zhao-hong Jia, Wenhua Li, Michael L. Pinedo, Bertrand M. T. Lin (2014), Fast approximation algorithms for bi-criteria scheduling with machine assignment costs, European Journal of Operational Research 238(1), 54-64

Kangbok Lee, Joseph Y.-T. Leung, Michael L. Pinedo, (2014), Two dimensional load balancing, Operations Research Letters 42(8), 539-544

Gang Wang, Lei Lei, Kangbok Lee (2014), Supply chain scheduling with receiving deadlines and non-linear penalty. Journal of the Operational Research Society, Published online 19 February 2014, doi:10.1057/jors.2014.2

Education

Institution	Degree	Year(s)	Discipline
Pohang University of Science and Technology, Korea	BS	1998	Industrial Engineering
Pohang University of Science and Technology, Korea	MS	2000	Operations Research
Pohang University of Science and Technology, Korea	Ph.D.	2004	Operations Research

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
07/01/2014-06/31/2015	Bi-criteria scheduling models in manufacturing industries	\$2,975.00	PSC-CUNY Research Award (Traditional A)

Attachments

Description	File Name	File Size	Date Attached
Project Description	Lee,Kangbok_Project_Description.pdf	228079	12/8/2013 11:51:05 PM

Budgets

Description			Requested Amount
-------------	--	--	------------------

Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Relevant books will be purchased. Following books are candidates Factory Physics: Foundations of Manufacturing Management, third edition, 2008. 720pp. ISBN 978-0-07-282403-2. by Wallace Hopp and Mark Spearman \$95 Planning and Scheduling in Manufacturing and Services, 2nd ed. 2009, XVIII, 537p. With CD-ROM. ISBN 978-1-4419-0909-1 by		750.00 0.00	750.00

Pinedo, Michael L. \$80 Multicriteria Optimization, 2nd ed. 2005, XIII, 323 p. 88 illus. ISBN 978-3-540-21398-7 \$160 Constraint-Based Scheduling, Applying Constraint Programming to Scheduling Problems 2001, XIII, 198 p. ISBN 978-0-7923-7408-4 by Baptiste, Philippe, Le Pape, Claude, Nuijten, Wim \$270 Multiobjective Optimization January 2010, LAP Lambert Academic Publishing, ISBN: 3838332512 by Luna Majumder \$110 Integer Programming and Combinatorial Optimization June 2008 - Springer - 2008.06.23 - Paperback - 475 pages - ISBN 3540688862 \$105			
Domestic Travel PI plans to attend the following conference. INFORMS Annual Meeting 2014 San Francisco Sunday November 09 2014 - Wednesday November 12 2014 http://meetings2.informs.org/sanfrancisco2014/ Registration fee: \$450 Flight: \$700 Hotel: Sat, Sun, Mon, Tue 4 nights: \$175 * 4 = \$700 Daily Expense: 5 days' meal and transportation \$75 * 5 = \$375 Total: \$2225		2225.00 0.00	2225.00
		Total	2975.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-107	Name : Finkelstein, Stacey
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: BARUCH COLLEGE	Email:
Panel: Business Administration	
Discipline : Business Administration	
Co-PI :	

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials Yes (attached to application, 2MB limit)
List of Supplementary Material List of Potential Reviewers
Will Interviews be Conducted? No
Department MARKETING

Title of Proposed Project:

Eating Behaviors of People with Multiple Chronic Health Conditions

Brief Abstract

To date, no research has been conducted on how people with multiple chronic health conditions make food choices. In this research project, we ask how people with multiple chronic conditions such as hypertension, diabetes, and high cholesterol make food choices compared to healthy people with no pre-existing conditions. We propose that people with multiple health conditions "balance" nutrient intake over the course of a day (e.g., minimizing sugar intake at breakfast and sodium intake at lunch). However, because of this narrow focus on individual meals, those with multiple health conditions will ultimately consume more undesirable nutrients (e.g., sodium, sugars, fats) over the course of a day than healthy people.

Relevant Publications & Scholarship

Journal Publications

A. Theoretical:

Fishbach, Ayelet, Minjung Koo, & Stacey R. Finkelstein (accepted), "Motivation Resulting from Completed and Missing Actions," article to appear in *Advances in Experimental Social Psychology*, 50.

Finkelstein, Stacey R and Ayelet Fishbach (2012) "Tell Me What I Did Wrong: Experts Seek and Respond to Negative Feedback," *Journal of Consumer Research*, 39

Finkelstein, Stacey R. and Ayelet Fishbach (2010), "When Healthy Food Makes You Hungry," *Journal of Consumer Research* (lead article), 37, 357-67.

- Featured in *Journal of Consumer Research* Curation Series on Food Decision

Making

Fishbach, Ayelet, Tal Eyal, and Stacey R. Finkelstein (2010), "How Positive and Negative Feedback Motivate Goal Pursuit," *Social Psychology and Personality Compass*, 4, 517-30.

McKenzie, Craig R. M., Michael J. Liersch, and Stacey R Finkelstein (2006), "Recommendations Implicit in Policy Defaults," *Psychological Science*, 17, 414-20.

B. Public Health and Public Policy

Liu, Nan, Stacey R. Finkelstein, and Lusine Poghosyan (in press), "A New Model for Nurse Practitioner Utilization in Primary Care: Increased Efficiency and Implications," *Health Care Management Review*

Poghosyan, Lusine., Nannini, A., Finkelstein, S. R., Mason, E., & Shaffer, J. (in press). Development and Psychometric Testing of the Nurse Practitioner Primary Care Organizational Climate Questionnaire (NP-PCOCQ). *Nursing Research*.

Finkelstein, Stacey R, Nan Liu, David Rosenthal, Beena Jani, and Lusine Poghosyan (2013), "Appointment Reminder Systems and Patient Preferences: Patient Technology Usage and Familiarity with Other Service Providers as Predictive Variables," *Health Informatics*, 19, 79-90.

Book Chapters

Fishbach, Ayelet and Stacey R. Finkelstein, "How Feedback Determines Persistence, Disengagement and Change in Goal Pursuit," in H. Aarts and A. Elliot (Ed.) *The Frontiers of Social Psychology Handbook*

Education

Institution	Degree	Year(s)	Discipline
University of Chicago, Booth School of Business	MBA	2011	
University of Chicago, Booth School of Business	PhD	2011	Business, Specialty in Marketing

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Spring 2013 - 2014	Effects of Food Brand Dissociation on Consumption of Healthy and Unhealthy Foods	\$8,000.00	City University London

Attachments

Description	File Name	File Size	Date Attached
Project Description	Eating_Behaviors_of_People_with_Mul	26810	12/2/2013 12:14:08 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00

<p>Research Staff</p> <p>Once food diary data is obtained, data must be entered into the Nutrition Data System for Researchers software (NSDR). NSDR allows a trained RA to indicate what food people consume and automatically fills in nutrition information for well-known brands including calories, fat, sodium, sugars, carbohydrates, and cholesterol. If participants' do not provide brand information, the RA must generate information for a "standard" item in that product category, which requires significant knowledge of nutrition. It typically takes 1-2 hours to enter food diary data. Such fine-grained nutrient information is important to the team's research program as it allows the team to make fine-grained assessments on the relevant dependent variables, namely whether and how participants make tradeoffs in the food they consume. To improve the accuracy of the data, we need an RA trained in the nutrition field. As NSDR software is expensive (\$5700) and as a member of the research team (affiliated with another university) already has such a license, we will be using an RA trained by our research team member at another university. This RA will be a graduate student who has a background in nutrition and who will be included in publication.</p>	<p>Fringe Benefit Expense MTA Payroll Tax</p>	<p>900.00 88.56</p>	<p>988.56</p>
<p>Subject Payments</p> <p>. To obtain accurate food diary data, participants need to undergo significant training to understand how to measure portion sizes and accurately record their food intake, indicating important data such as brand information and amount consumed. For instance, the training discourages participants from recording that they "eat toast" for breakfast and encourages participants to indicate that they eat "2 slices of Orrowheat Whole Wheat Toast with 1 TBSP Butter" for breakfast. The training will encourage participants to record all food ingested, regardless of whether or not the participant considers it to be a significant amount (e.g., one bite of food, a taste of a dish). Following prior research, participants will keep their food diary for a week to provide an adequate sample of their eating behavior (Basciotis et al., 1987). As a result of the significant effort required of participants, both in training and recording of eating habits, a sufficiently strong incentive is needed to increase participants' compliance rate; Participants traditionally earn \$100 for their time and effort. To get adequate power for this study, we need at least 50 participants who have multiple, chronic health conditions (50 x \$100 = \$5,000).</p>		<p>5000.00 0.00</p>	<p>5000.00</p>
		<p>Total</p>	<p>5988.56</p>

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-139	Name : OBrien, Stephen
Rank: Associate Professor	Address :
Tenured: Yes	Telephone :
College: CITY COLLEGE	Email:
Panel: Chemistry & Biochemistry	
Discipline : Chemistry	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department CHEMISTRY AND BIOCHEMISTRY

Title of Proposed Project:

Synthesis and Characterization of Novel Transition Metal Complex Oxides with Magnetoelectric Properties

Brief Abstract

The PI proposes to lead a team of researchers in the area of synthesis and characterization of transition metal complex oxides. These materials are prepared by a low temperature solution chemical crystallization method. The particular class of oxides under investigation present combined magnetic and electrical properties of fundamental and commercial interest, which could have impact on device technology for applications in sensors, spintronics, and high k-dielectrics for energy storage. The proposed work seeks to further the scope of a new synthetic technique, under development in the PI's lab, based on precursor coordination chemistry and nanochemistry. The proposed work is to prepare some novel complex oxides and characterize them in order to report on the structure-property relationship. The PI's general goal is to train graduate students in experimental materials/nano science, and selectively host undergraduate students of the chemistry program at CCNY.

Relevant Publications & Scholarship

Citation Metrics

From Thomson Reuters Web of Knowledge and researcherID.com, April 2013:

Total articles with citation data: 81

Sum of the times cited: 5673

Average citations per article: 70.0

H-Index: 39

Publications and Articles

1. Huang, L.; Liu, S.; van Tassel, B.; Liu, X.; Byro, A.; Zhang, H.; Akins, D. L.; Steingart, D. A.; Li, J.; O'Brien, S. "Structure and Performance of Dielectric Films

based on Self-Assembled High Dielectric Constant Nanocrystals”, *Nanotechnology*, 2013, 24, 415602 doi:10.1088/0957-4484/24/41/415602.

2. Liu, X.; Liu, S.; Han, M.-G.; Zhao, L.; Deng, H.; Li, J.; Zhu, Y.; Krusin-Elbaum, L.; O'Brien, S. “Magnetolectricity in CoFe₂O₄ Nanocrystal-P(VDF-HFP) Thin-Films”, *Nanoscale Research Letters*, 2013, 8, 374.

3. Liu, S.; L.; Huang, L.; Li, J.; O'Brien, S., “Intrinsic dielectric frequency dependent spectrum of a single domain tetragonal BaTiO₃” *Journal of Applied Physics* 112, 014108 2012; <http://dx.doi.org/10.1063/1.4734004>.

4. Liu, S.; Zhang, H.; Lev Sviridov, L.; Huang, L.; Xiaohua Liu, X.; Jacopo Samson, J.; Akins, D. L.; Li, J.; O'Brien, S. “Comprehensive Dielectric Performance of Bismuth Acceptor Doped BaTiO₃ Based Nanocrystal Thin Film Capacitors” *Journal of Materials Chemistry*, 2012, 22, 21862-21870, DOI: 10.1039/C2JM34044E

5. Yang, S.; Tull, B. R.; Pervez, N. K.; Huang, L.; Leland, E. S.; Steigart, D. A.; O'Brien, S.; Kyrmis, I. “Asymmetric Leakage in (Ba, Sr)TiO₃ Nanoparticle/Parylene-C Composite Capacitors”, *Journal of Polymer Science B: Polymer Physics*, 2012 DOI: 10.1002/polb.23156.

6. Roussel, F.; Brun, J.-F., Alexandre Allart, A.; Huang, L.; O'Brien, S. “Horizontally-aligned carbon nanotubes arrays and their interactions with liquid crystal molecules: Physical characteristics and display applications.” *AIP Advances* 2, 2012, 012110.

7. Nguyen-Thanh, D.; Frenkel, A. I.; Wang, J.; O'Brien, S.; Akins, D. L. "Cobalt-Polypyrrole-Carbon Black (Co-PPY-CB) “Electrocatalysts for the Oxygen Reduction Reaction (ORR) in Fuel Cells: Composition and Kinetic Activity” *Applied Catalysis B: Environmental*, 105, 50-60, 2011.

8. O'Brien, S. “High K Capacitors and OFET Gate Dielectrics from Self-Assembled BaTiO₃ and (Ba,Sr) TiO₃ Nanocrystals in the Superparaelectric Limit – On the Superparaelectric State in BaTiO₃ Nanocrystals”, *Advanced Functional Materials*, *Materials Views (Comment)* Volume 21, Issue 17, pages 3212–3213, September 9, 2011.

9. Huang, L.; Zhang, J.; Kyrmis, I.; O'Brien, S. “High K thin films built from uniform Barium Titanate Nanocrystals in the Superparaelectric Limit” *Adv. Func. Mater.* 2010, 20, 554-560.

10. Zhang, L.; Huang, L.; Lind, M.; Liao, V.; O'Brien, S; and Yu, Z., “Excitation, Temperature, and Structural Dependence of Second-Order Raman Modes in Single-Wall Carbon Nanotubes”, *J. Phys. Chem. C*, 2009, 113 (37), 16432–16438.

11. Chen, Z. and O'Brien, S. “Structure Direction of II-IV Semiconductor Quantum Dot Superlattices by Tuning Radius ratio”, *ACS Nano*, 2008, 2(6), 1219-1229.

12. Hultman, K. L.; Raffo, A. J.; Grzenda, A. L.; Harris, P. E.; Brown, T. R.; and O'Brien, S “Immunotargeted Superparamagnetic Iron Oxide Nanoparticles” *ACS Nano*, 2008, 2(3), 477–484.

13. Lu, C.; Chen, Z. and O'Brien, S. “Optimized Conditions for the Self-Organization of CdSe-Au Binary Nanoparticle Superlattices” *Chemistry of Materials*, 2008, 20(11), 3594-3600.

14. Wu, C.-K.; Hultman, K. L.; O'Brien, S.; Koberstein, J. T. "Functional Oligomers for the Control and Fixation of Spatial Organization in Nanoparticle Assemblies." Journal of the American Chemical Society, 2008, 130(11), 3516-3520.

15. Zhang, L.; Huang, L.; O'Brien, S.; and Yu, Z. "Electrostatic Doping-induced Phonon Shift of Metallic Single-Wall Carbon Nanotubes." Journal of Physical Chemistry C, 2008, 112, 20118.

16. Zohar, S.; Hultman, K.; O'Brien, S.; Bailey, W. E., "Thin-film superparamagnetic resonance in a gamma-Fe(2)O(3) nanoparticle array" Journal of Applied Physics, 2008, 103.

17. Li Zhang, Zhang Jia, Limin Huang, Stephen O'Brien, and Zhonghua Yu, "Low Temperature Raman Spectroscopy of Individual Single-Wall Carbon Nanotubes and Single-Layer Graphene." Journal of Physical Chemistry C, 2008, 112, 1389313900.

18. Yang Wu, Mingyuan Huang, Feng Wang, X. M. Henry Huang, Sami Rosenblatt, Limin Huang, Hugen Yan, Stephen P. O'Brien, James Hone, and Tony F. Heinz, "Determination of the Young's Modulus of Structurally Defined Carbon Nanotubes," Nano Lett., 2008, 8, 4158-4161.

Patents (2 issued, 9 patent applications, 4 with CUNY)

1. O'Brien, S.; Huang, L.; White, B. E., "Methods for preparing single-walled carbon nanotubes" US Patent 8,367,034, Feb 5, 2013, assignee: The Trustees of Columbia University in the City of New York.

2. O'Brien, S.; Yin, M.; "Nano-sized particles, processes of making, compositions and uses thereof" US Patent 8,182,786, May 22, 2012, assignee: The Trustees of Columbia University in the City of New York.

3. O'Brien, S. Huang, L., White, B., Wind, S. 2007. "Preparing Nanoparticles and Carbon Nanotubes." Pub. No. US 2012/0126199.

4. O'Brien, S., Huang, L., Chen, Z., Kymissis, I., Jia. Z. 2010. Metal Oxide Nanocrystals: Preparation and Uses." Pub. No. US 2010/0135937.

5. White, B. E.; O'Brien, S., "Copper Oxide Nanoparticle System." Pub. No.: US 2009/0269269.

6. O'Brien, S.; Huang, L., "Methods for preparing metal oxides", Publication No. US 2009/0297626.

7. Hultman, K, O'Brien S. et al. 2007. "Synthesis and Conjugation of Iron Oxide Nanoparticles to Antibodies for Targeting Specific Cells using Fluorescence and MR Imaging Techniques." US 2007/0059775.

8. Van Tassel, B., O'Brien, S. Huang, L., Steingart, D. 2013. "Prevention of Hydrophobic Dewetting Through Nanoparticle Surface Treatment" App. No. 13/775, 938. (CUNY)

9. O'Brien, S.; Huang, L.; Liu, S. 2013. "Dielectric Film with Nanoparticles" US App. No. 13/744,726. (CUNY)

10. O'Brien, S.; Huang, L.; Liu, S. "Metal Oxide Ceramic Nanocrystals" US App. No. 61/859,447. (CUNY)

11. O'Brien, S.; Leland, E.; Liu, S. 2013. "Rolled power capacitor with composite dielectric (Metacap Power Capacitor)" App. No. 61/826,275. (CUNY)

Education

--	--	--	--

Institution	Degree	Year(s)	Discipline
Oxford University	D Phil	1998	Physical Sciences
Sussex University	BSc	1994	Chemistry

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
--------	-------	--------	----------------

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC_CUNY_TRADA-45-139_Project_Descr	1339783	11/29/2013 4:37:09 PM
Supplementary Material	Obrien_Publications_and_Experience_	109282	11/29/2013 4:37:48 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00

Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Laboratory Fees Laboratory Fees is the category chosen for expenses occurred through core facilities usage. Core facilities (electron microscopy, X-ray diffraction) will be used for this project the Division of Science charges users for the equipment, based on the number of hours on the instruments, and uses the fees to pay for service contracts. Estimated fees to be incurred = \$900, based on 90 hours of user time		900.00 0.00	900.00
Research Supplies Research Supplies: Chemicals (\$1450): speciality chemicals, namely acetylacetonates and alkoxides of Fe, Mn, Ti, Co, Cu, solvents (ethanol, acetone, DMF) Speciality Glassware (\$150): flasks, vials Reaction vessel (\$750): Autoclaves and teflon accessories Safetyware and Chemicals Handling (\$150): gloves, specs, containers, disposal equipment. Gases (\$100): nitrogen supply		2600.00 0.00	2600.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-123	Name : Deiner, Lazarus
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: NEW YORK COLLEGE OF TECHNOLOGY	Email:
Panel: Chemistry & Biochemistry	
Discipline : Chemistry	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department CHEMICAL TECHNOLOGY

Title of Proposed Project:

Mechanical Milling Approaches to Graphite-based Supercapacitor Electrode Materials

Brief Abstract

Electrochemical energy storage and conversion devices are critical to full utilization of renewable energy sources. Supercapacitors are an attractive energy storage option whose range of applications may be expanded with the development of electrode materials capable of true battery-like energy densities (> 100 Wh/kg). Graphene-based electrodes with intercalated electrolyte have demonstrated very high energy densities, but the known synthetic route to this material is labor intensive and hence not conducive to widespread usage. We propose to investigate an alternative synthetic route to the creation of graphitic electrode materials with incorporated electrolyte: high energy milling of graphite in the presence of capacitor electrolyte (sulfate and ionic liquid). We will use a design of experiments approach to optimize the milling parameters for capacitance, and correlate capacitive behavior with the physical and chemical properties of the milled materials. The energy densities of the highest performance materials will be evaluated in a two electrode unit cell configuration.

Relevant Publications & Scholarship

Peer reviewed journal articles (electrochemistry and electrocatalytic materials)

[1] E. Farjami, M. Rottmayer, L. J. Deiner, "Evidence for Oxygen Reduction Activity of a Ni(OH)₂/graphene oxide catalyst,(accepted, J. Mater. Chem.. A, October 2013, doi: 10.1039/C3TA13351F)

[2] J. F. Gomes, D. Profeti, and L. J. Deiner, "Influence of Particle Size Distribution on the Activity and Selectivity of Carbon Supported Platinum Nanoparticle Catalysts for Ethanol Electro-oxidation,"(accepted, ChemElectroChem, August 2013, doi: 10.1002/celec.201300060)

[3] L. J. Deiner, K. A. Piotrowski, and T. L. Reitz, "Mechanisms of Fatty Acid and Triglyceride Dispersant Bonding in Non-Aqueous Dispersions of NiO," J. Am. Ceram. Soc., 96 (3), 2013, 750 – 758.

[4] L. A. Clare, L. E. Rojas-Sligh, S. M. Maciejewski, K. Kangas, J. E. Woods, L. J. Deiner, A. Cooksy, and D.K. Smith, "The Effect of H-Bonding and Proton Transfer on the Voltammetry of 2,3,5,6-Tetramethyl-p-phenylenediamine in Acetonitrile. An Unexpectedly Complex Mechanism for a Simple Redox Couple", J. Phys. Chem. C, 114 (19), 2010, 8938 – 8949

[5] C. A. Angelucci, L. J. Deiner, and F. C. Nart, "On-line mass spectrometry of the electro-oxidation of methanol in acidic media on tungsten carbide", J. Solid State Electrochem., 12(12), 2008, 1599 – 1603

[6] A. L. Santos, L. J. Deiner, and H. Varela, "The effect of ultra-low proton concentration on the electrocatalytic reduction of nitrate over platinum", Catal. Comm., 9 (2), 2008, 269 – 272

[7] L. J. Deiner and F.C. Nart, "Evidence for diffusional coupling in electrochemical thin layers: Implications for surface coverage calibration via electrochemical infrared spectroscopy," J. Solid State Electrochem., 12 (5), 2008, 511 - 516

Articles in Conference Proceedings (milling of electrocatalytic materials)

[1] L. J. Deiner, A. Marruffo, and T. L. Reitz, "Mechanochemical Approaches to Ceramic Ink Formulation," pp. 318–22 in NIP 28th International Conference on Digital Printing Technologies, Quebec City, Canada, 2012

Patent Applications (colloidal dispersions of functional nanoparticles)

[1] L.J. Deiner, S. Peleshanko, G.A. Lane, "Ink Compositions", International Patent Application PCT/US2009/047861, 2010

[2] L.J. Deiner, Y. Bi, G.A. Lane, S. Peleshanko, "An Inkjet Ink Including Polyurethane", International Patent Application PCT/US2009/046550, 2010

Additional Academic Appointments

Summer 2010, 2011, and 2012:

Air Force Summer Faculty Fellow, Air Force Research Labs, Propulsion Directorate, Wright-Patterson Air Force Base, Ohio

Summer faculty fellowship project: Digital fabrication of electrochemical devices for energy conversion and storage

Education

Institution	Degree	Year(s)	Discipline
Wesleyan University	B.A.	1997	Chemistry
Harvard University	Ph.D.	2003	Chemistry

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Aug. 2012 - Aug. 2016	Expanding and Refining the Application-Based Service-Learning Pedagogy	\$39,900.00	NSF, Grant #1226175
June '10 - June '11	In-situ surface spectroscopic studies of electro-catalytic nitrate reduction	\$3,275.00	PSC-CUNY
Fall '12 - Fall '13	Tailoring Nanostructure in Solid Oxide Fuel Cells	\$56,401.00	GRTI
Fall '11 - Fall '12	The Search for Surface Intermediates in the Electrochemical Oxidation of 2,3,5,6-H ₂ PD	\$18,000.00	GRTI
June '10 - June '11	Optimization of Solvent and Dispersant Systems for Formulation of NiO Inks for Solid Oxide Fuel	\$6,000.00	UES, inc., sub-contract from Air Force Research Labs
June '11 - June '12	Optimization of Solvent and Dispersant Systems for Formulation of NiO Inks for Solid Oxide Fuel	\$17,911.00	UES, inc., sub-contract from Air Force Research Labs
Oct '12 - Dec. '13	Formulation of graphene and graphene/MnO ₂ inks for aerosol jet printing of Li-Air batteries	\$19,999.00	UES, inc., sub-contract from Air Force Research Labs
Fall '09 - Fall '10	Electrochemical and spectroscopic studies of the electro-catalytic reduction of nitrates	\$55,424.00	GRTI

Attachments

Description	File Name	File Size	Date Attached
Project Description	High_Energy_Milling_Approaches_to_G	629586	12/7/2013 3:56:50 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA	0.00 0.00	0.00

	Payroll Tax		
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Equipment The equipment we are requesting is a two electrode electrochemical test cell designed for characterization of batteries and capacitors. It is made by the BioLogic Scientific Instrument company. It can be used in both aqueous and non-aqueous electrolytes. The evaluation of the material in two-electrode test cell configuration is critical because the energy density of the capacitor unit cell cannot be properly ascertained by testing in a standard 3-electrode electrochemical cell. The necessity for testing in the 2-electrode configuration is explained in detail in the following journal article: Stoller, M.D. and Ruoff, R.S. Best Practices for Determining an Electrode Material's Performance for Ultracapacitors, Energy and Environmental Science, 2010, 3, p. 1294 - 1301.		2035.00 0.00	2035.00
Research Supplies The amount budgeted for research supplies includes: 1) Reagents		3763.60 0.00	3763.60

(graphite, sodium sulfate, ionic liquid electrolyte), ~\$1180; 2) Gold foil current collector for testing in two electrode cell configuration, ~\$860; 3) Electrochemistry supplies (reference, working and counter electrodes), ~\$830; 4) Milling supplies (milling jars, milling media), ~ \$700; 5) General lab supplies (pipets, gloves, kimwipes), < \$200			
		Total	5798.60

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-26 Rank: Professor Tenured: Yes College: BROOKLYN COLLEGE Panel: Chemistry & Biochemistry Discipline : Chemistry Co-PI :	Name : Sanchez-Delgado, Roberto Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department CHEMISTRY

List of Undesirable Reviewers No

Title of Proposed Project: Ruthenium-azole complexes as antiparasitic agents
--

Brief Abstract

Leishmaniasis and Chagas are among the world's neglected parasitic diseases. Available treatments suffer from toxicity, limited efficacy, and resistance; thus, the search for novel chemotherapies is urgently required. We have demonstrated the utility of metal-drug synergy in the search for new antiparasitic therapies. Combining an organometallic compound and an azole of known activity in a single molecule leads to metal-based drugs of enhanced activity and reduced toxicity, as a result of improved physicochemical properties and novel multiple-target mechanisms of action. We recently described the compound [Ru(p-cymene)Cl₂(CTZ)] CTZ = clotrimazole (1), which displays unprecedentedly high in vitro potency against *L. major* and *T. cruzi*, combined with very low toxicity. The object of this proposal is to understand the mechanisms of action of complex 1 and to rationally modify its molecular structure in order to further enhance the therapeutic potential, two crucial aspects required for further developments of these novel compounds into drugs for human use.

Relevant Publications & Scholarship

Recent publications (2009-2013)

E. Robles-Escajeda, A. Martínez, A. Varela-Ramirez, R. A. Sánchez-Delgado, and R. J. Aguilera,* "Analysis of the cytotoxic effects of ruthenium-ketoconazole and ruthenium-clotrimazole complexes on cancer cells", *Cell Biol. Toxicol.*, 2013 29, 431-443.

J. G. Estrada and R. A. Sánchez-Delgado,* "Spectroscopic Study of the Interactions of Ruthenium-Ketoconazole Complexes of Known Antiparasitic Activity with Human Serum Albumin and Apotransferrin", *J. Mex. Chem. Soc.*, 2013, 57(3), 169-174.

R. A. Sánchez-Delgado* y V. Medialdea, "La química inorgánica a la búsqueda del "Magic Bullet" en contra de enfermedades desatendidas; el caso de Latinoamérica" en A. Ponte Sucre y L. G. Rodríguez (Eds.) "Las Tecnologías de Información y Comunicación en el combate de las enfermedades desatendidas en América Latina y el Caribe: Aportes desde la investigación en ciencias de la salud". Fundación Telefónica-Ariel, Barcelona, España 2013, in press.

E. Iniguez, A. Sánchez, M. A. Vasquez, A. Martínez, J. Olivas, A. Sattler, R. A. Sánchez-Delgado*, and R. A. Maldonado*, "The Metal-Drug Synergy: New Ruthenium(II) Complexes of Ketoconazole are Highly Active against *Leishmania major* and *Trypanosoma cruzi* and Non-toxic to Human or Murine Normal Cells" *J. Biol. Inorg. Chem.* 2013, 18, 779-790.

R. Rahi, M. Fang, A. Ahmed and R. A. Sánchez-Delgado*, "Hydrogenation of quinolines, alkenes, and biodiesel by palladium nanoparticles supported on magnesium oxide." *Dalton Trans.* 2012, 41, 14490-14497.

A. Martínez, T. Carreon, E. Iniguez, A. Anzellotti, A. Sánchez, M. Tyan, A. Sattler, L. Herrera, R. A. Maldonado* and R. A. Sánchez-Delgado*, "Searching for new chemotherapies for tropical diseases: Ruthenium-clotrimazole complexes display high in vitro activity against *Leishmania major* and *Trypanosoma cruzi* and low toxicity toward normal mammalian cells." *J. Med. Chem.* 2012, 55, 3867-3877.

L. Glans, A. Ehnborn, C. de Kock, A. Martínez, J. Estrada, P. J. Smith, M. Haukka, R. A. Sánchez-Delgado* and E. Nordlander*, "Ruthenium(II) arene complexes with chelating chloroquine analogue ligands: Synthesis, characterization and in vitro antimalarial activity." *Dalton Trans.* 2012, 41, 2764-2773. PMC3303165.

B. Demoro, C. Sarniguet, R. Sánchez-Delgado, M. Rossi, D. Liebowitz, F. Caruso, C. Olea-Azar, V. Moreno, A. Medeiros, M. A. Comini, L. Otero,* D. Gambino,* "New organoruthenium complexes with bioactive thiosemicarbazones as co-ligands: potential anti-trypanosomal agents." *Dalton Trans.* 2012, 41, 1534-1543. PMC3299570

M. Navarro,* W. Castro, A. R. Higuera-Padilla, A. Sierraalta, M. J. Abad, P. Taylor and R. A. Sánchez-Delgado, "Synthesis, characterization and biological activity of trans-platinum (II) complexes with chloroquine", *J. Inorg. Biochem.* 2011, 105, 1684-1691. PMC3294264.

M. Fang, N. Machalaba and R. A. Sánchez-Delgado,* "Hydrogenation of arenes and N-heteroaromatic compounds over ruthenium nanoparticles on poly(4-vinylpyridine): a versatile catalyst operating by a substrate-dependent dual site mechanism" *Dalton Trans.* 2011, 40, 10621-10632.

M. Navarro,* W. Castro, A. Martínez and R. A. Sánchez-Delgado, "The Mechanism of Antimalarial Action of $[\text{Au}(\text{PPh}_3)(\text{CQ})]\text{PF}_6$: structural effects and increased drug lipophilicity enhance heme aggregation inhibition at lipid/water interfaces." *J. Inorg. Biochem.* 2011, 105, 276-282. PMC 3038622.

A. Martínez, J. Suárez, T. Shand, R. S. Magliozzo and R. A. Sánchez-Delgado*, "Interactions of Arene-Ru(II)-Chloroquine Complexes of Known Antimalarial and Antitumor Activity with Human Serum Albumin (HSA) and Transferrin", *J. Inorg. Biochem.* 2011, 105, 39-45. PMC 2990986.

A. Martínez, C. S. K. Rajapakse, A. Varela-Ramirez, C. Lema, R. Aguilera and R. A. Sánchez-Delgado*, "Arene-Ru(II)-Chloroquine Complexes Interact With DNA, Induce Apoptosis Against Human Lymphoid Cell Lines and Are Less Toxic to Normal Mammalian Cells than Chloroquine", J. Inorg. Biochem. 2010, 104, 967-977. PMC 2910123.

A. Martínez, C. S. K. Rajapakse, D. Jalloh, C. Dautriche and R. A. Sánchez-Delgado*, The antimalarial activity of Ru–chloroquine complexes against resistant Plasmodium falciparum is related to lipophilicity, basicity, and heme aggregation inhibition ability near water/n-octanol interfaces, J. Biol. Inorg. Chem. 2009, 14, 863-871.

S. Jiménez, J. A. López, M. A. Ciriano, C. Tejel,* A. Martínez, and R. A. Sánchez-Delgado, "Selective Hydrogenation of Cinnamaldehyde and Other α,β -Unsaturated Substrates Catalyzed by Rhodium and Ruthenium Complexes" Organometallics, 2009, 28, 3193-3202.

C. S. K. Rajapakse, A. Martínez, B. Naoulou, A. A. Jarzecki, L. Suárez, C. Deregnacourt, V. Sinou, J. Schrével, E. Musi, G. Ambrosini, G. K. Schwartz and R. A. Sánchez-Delgado*, "Synthesis, Characterization and in vitro Antimalarial and Antitumor Activity of New Ruthenium(II) Complexes of Chloroquine", Inorg. Chem. 2009, 48, 1122-1131. PMC 2673146

V. R. Landaeta,* F. López-Linares, R. Sánchez-Delgado, C. Bianchini, F. Zanobini and M. Peruzzini,* "Synthesis and Characterization of New Rhodium and Iridium Complexes with Trianisylphosphine, PAn3, and Evaluation of their Catalytic Behavior in the Homogeneous Hydrogenation of Cinnamaldehyde", J. Mol. Catal. (A) 2009, 301, 1-10; Featured as Editor's Choice Paper.

Education

Institution	Degree	Year(s)	Discipline
University Louis Pasteur, Starabourg, France	Postdoc	1976-77	Organometallic Chemistry
Imperial College, University of London	B.Sc. (Honours)	1973	Chemistry
Imperial College, University of London	PhD	1976	Inorganic Chemistry

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2008-2011	Nanostructured Ruthenium Catalysts on Functional Polymers for Heterolytic Activation of Hydrogen and	\$100,000.00	Petroleum Research Fund ACS
2010-2013	Development of Pollution Prevention Technologies	\$950,000.00	US Department of Energy
2010-2014	Ru(II)-based antimalarial agents	\$1,225,000.00	NIH NIGMS SCORE

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	RSD_PSC_ENH_Budget_justification.pdf	97422	12/12/2013 3:50:24 PM
Project Description	PSCCUNY_ENH-text-rev-submitted_.pdf	762549	12/12/2013 2:53:41 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies These funds are needed for purchasing chemicals, solvents, gases and other lab consumables that are essential for this project		2000.00 0.00	2000.00
Research Staff The funds requested will cover a postdoctoral research associate (part-time) who will be responsible for conducting most of the experiments and calculations, and of supervising undergraduate students involved in this project.	Fringe Benefit Expense MTA Payroll Tax	9000.00 885.60	9885.60
		Total	11885.60

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-273 Rank: Associate Professor Tenured: Yes College: COLLEGE OF STATEN ISLAND Panel: Comparative Literature & Modern Languages Discipline : Italian Co-PI :	Name : Milligan, Gerry Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department ITALIAN STUDIES

Title of Proposed Project: Speaking to Power: Caterina Sforza and the use of Gendered Discourse

Brief Abstract

This project will attempt to delineate between fantastic legend and so-called historical representations of Caterina Sforza (1463-1509). It will as well seek to understand how she was frequently shown to appeal to masculine power not by proclaiming virility, as one might suspect, but rather by drawing attention to the ideology of feminine vulnerability. Finally, I will place this towering legend in the context of Renaissance books of illustrious women as well as the literary landscape more broadly, since Caterina was proffered as the historical virago analog to the fictional guerriere popularized in the epic poetry of the period

Relevant Publications & Scholarship

Books:
 The Poetics of Masculinity in Early Modern Italy and Spain. Eds. Gerry Milligan and Jane Tylus. Toronto: Centre for Renaissance and Reformation Studies, 2010. [Book contains introduction (30 pp) and essay "Proving Masculinity before Women: Laura Terracina and Chiara Matraini Writing on Warfare."] [Much of essay resulted from PSC-CUNY Funding]

Articles:

"Material Matters: Dress and Italian Renaissance Literatures" in The Cultural History of Fashion and Dress (Berg: 2015) Forthcoming

"Masculinity" in Renaissance and Reformation: Oxford Bibliographies online. Oxford University Press, 2011.

"Unlikely Heroines in Lucrezia Tornabuoni's 'Storie Sacre.'" Forthcoming in Italica, Fall 2011. (Article is result of PSC CUNY funding)

"Lucrezia Tornabuoni" in Renaissance and Reformation: Oxford Bibliographies Online, Oxford University Press, 2010.

"Machiavelli and Masculinity." In Seeking Real Truths: Multidisciplinary Perspectives on Machiavelli. pp 149-172 Boston: Brill Academic Press, 2007. (Resulted from PSC-CUNY funding)

"Behaving Like a Man: Masculinity and Masquerade in Gli ingannati." Forum Italicum 41.1 (2007) 23-42. (Resulted from PSC-CUNY funding)

"The Politics of Effeminacy in Il cortegiano." Italica 83.3-4 (2006) 345-366. (Resulted from PSC-CUNY funding)

Encyclopedia of Women in the Renaissance, Eds. Diana Robin, Anne Larsen and Carole Levin. Denver: ABC-CLIO, 2007. Two entries: "Isabella Andreini" pp. 9-12, "Masculinities" pp. 249-253.

Education

Institution	Degree	Year(s)	Discipline
University of Tennessee	BA	1993	Italian and World Business
University of Wisconsin	MA, PhD	2003	Italian Literature- Renaissance

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014	Speaking to Power: Caterina Sforza	\$3,000.00	PSC-CUNY
2012	The Soldier Manque'	\$3,000.00	PSC-CUNY
2011	Useless Mouths: Utility in War	\$3,000.00	PSC-CUNY
2010	Of Arms and Women: Praise of Women and War	\$3,200.00	PSC-CUNY
2010	Poetics of Masculinity- Publication Subvention	\$8,000.00	Harvard I Tatti
2009	The Erotic and the Sacred in the Sack of Rome	\$3,000.00	PSC-CUNY
2007-2008	Gender and Warfare in Italian Renaissance Literature	\$61,000.00	Harvard I Tatti
2007	Gender and Warfare in Italian Renaissance Texts	\$3,300.00	PSC-CUNY
2006	Warfare and Women's Writing in Italian Renaissance Literature	\$2,900.00	PSC-CUNY
2005	RENEWAL Performing Masculinity: The Discourses and Politics of Male Gender in the Italian Renaissance	\$3,000.00	PSC-CUNY

2004	Politics of Masculinity in the Italian Renaissance	\$2,000.00	CSI Dean's Award
2004	Performing Masculinity: The Discourses and Politics of Male Gender in the Italian Renaissance	\$4,000.00	PSC- CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC_CUNY_2014.docx	155238	12/5/2013 7:10:14 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00

Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel I will travel to Florence, Italy for June 3-July 3. I must stay in rented housing, and the per diem for housing and food alone will reach the maximum amount of the award. (Rental of apartment: \$2300; Meals \$40/day). It is necessary for me to travel to Florence so that I can access the National Archives and the National Library, both located in the city.		3500.00 0.00	3500.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-236 Rank: Assistant Professor Tenured: No College: JOHN JAY COLLEGE OF CRIMINAL JUSTICE Panel: Comparative Literature & Modern Languages Discipline : Spanish Co-PI :	Name : Martinez-Gomez Gomez, Aida Address : Telephone : Email:
---	---

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department FOREIGN LANGUAGES

Title of Proposed Project:

Challenging Norms in Interpreting in Prison Settings: The Role of Non-Professional Interpreters

Brief Abstract

This project explores the actual performance of non-professional interpreters in prison settings in an attempt to move beyond aprioristic views of interpreting and interpreters and beyond our current socio-professional scope. Whereas research conducted so far on non-professional interpreters tends to focus on the 'demonization' of their intervention in numerous types of communicative events (medical, legal, educational, etc.), this study combines interactional analysis and interpreting quality assessment to unveil potential advantages and disadvantages of using inmates to interpret for other inmates in correctional facilities, based on actual recorded interviews. The findings will foreground the emergence of participatory communication patterns aimed at successful communication and will challenge normative approaches about the interpreter's role.

Relevant Publications & Scholarship

Journal articles

- Martínez-Gómez, Aída. 2014. "Criminals interpreting for criminals: breaking or shaping norms?". The Journal of Specialized Translation 22: 174-193. Available at: http://www.jostrans.org/issue22/art_martinez.php

- Martínez-Gómez, Aída. 2014. "Interpreting in Prison Settings: An International Overview". Interpreting 16(2): 233–259.

Book Chapters

- Martínez-Gómez, Aída. (Forthcoming) "Non-professional Interpreters". In: Jourdenais, R & Mikkelsen, H. (eds.) Handbook of Interpreting. New York: Routledge.
- Martínez-Gómez, Aída. (Forthcoming) "Prison settings". In: Pöchhacker, F. (ed.) Routledge Encyclopedia of Interpreting Studies. New York: Routledge.
- Martínez-Gómez, Aída. (Forthcoming) "Interpreting quality in prison settings: a proposal for an assessment tool". In: Zwischenberger, C. & Behr, M. Interpreting Quality: A look around and ahead. Berlin: Frank & Timme.
- Martinez-Gomez Gomez, Aida. 2011. "El interprete ad hoc en las instituciones penitenciarias de la Comunidad Valenciana" [Ad hoc Interpreters in Prisons in the Spanish Region of Valencia]. In: Cifuentes Honrubia, J. L. et al. (eds.) Los caminos de la lengua. Estudios en Homenaje al Profesor Enrique Alcaraz Varo. Alicante: Universidad de Alicante. Pp. 207-216.
- Martinez-Gomez Gomez, Aida. 2010. "The universalization of small spaces: Penal institutions as language and culture melting pots". In: Iliescu Gheorghiu, C. et al. (eds.) 2010. Pp. 108-119
- Martinez-Gomez Gomez, Aida. 2010. "La integracion lingüística en las instituciones penitenciarias españolas y europeas" [Language-based Integration in European and Spanish Prisons]. In: Gonzalez, L. & Hernández, P. (coords.) El español, lengua de traduccion para la cooperacion y el dialogo. Toledo: UCLM. Pp. 485-500.

Edited books

Iliescu Gheorghiu, Catalina; Martinez-Gomez Gomez, Aida & Niño Moral, Dalila (eds.) 2010. Las univerciudades del siglo XXI: Traduccion y Globalizacion / Univer-cities in the 21st century: Translation and Globalization. Alicante: Editorial Aguaclara.

Conference presentations

- "Communication rights of foreign prisoners: an international overview of legislation and actual practices". 11th Biennial International Conference of John Jay College of Criminal Justice. Athens, June 11-14, 2014
- "The good, the bad and the ugly: The quality of non-professional interpreting in prison settings". 2nd International Conference on Non-Professional Interpreting and Translation. Mainz University (Germany). May 29-31, 2014.
- "El español en las instituciones académicas internacionales. Panorama actual, balance(s), críticas, perspectivas". 5th International Conference "El español, lengua de traducción". Instituto Cervantes, April 25-26, 2014 (invited).
- "Reshaping theory in dialogue interpreting: Collaborative participation patterns in the construction of meaning". 7th Biennial Conference of the American Translation and Interpreting Studies Association. New York University, April 3-5, 2014.
- "How much mediation is there in interpreting in prison settings? An analysis of the role of ad hoc prison interpreters". 7th Conference of the European Society of

Translation Studies. Johannes Gutenberg Universität Mainz, Germersheim (Germany). August 2013.

- "Assessing natural interpreters' strengths and weaknesses: A proposal for a training course in prison settings". 7th International Critical Link Conference. Glendon College, Toronto (Canada). June 2013.

- "Es mi compañero de chabolo (He's my cellie). The issue of trust in interpreting in prison settings". 4th IATIS Conference. Queens University, Belfast (UK). July 2012.

- "Community Interpreting for Less Visible Communities: An International Overview of Interpreting in Prison Settings". Found in Translation Lecture Series. Monterey Institute of International Studies. November, 2011. Invited.

- "Behind bars and across languages: Interpreting in world prisons". 6th International Critical Link Conference. Aston University, Birmingham (UK). July 2010.

- "Internos de origen musulman en centros penitenciarios valencianos: aspectos lingüísticos, culturales y sociales" [Muslim-background Inmates in Valencian Prisons: linguistic, cultural and social issues]. III foro civico para la prevencion del racismo y la intolerancia en la Comunidad Valenciana. University of Alicante - Sede Ciudad de Alicante. May, 2010. Invited.

- "La mediacion interlingüística en la administracion de Justicia: Centros penitenciarios" [Interlinguistic Mediation in Justice: Prisons]. La mediacion interlingüística en la administracion de justicia. University of Alicante. April, 2010. Invited.

Education

Institution	Degree	Year(s)	Discipline
University of Alicante	PhD	2011	Translation and Interpretation
University of Alicante	BA	2006	Translation and Interpretation

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
July 2014-June 2015	Traditional B Award	\$5,962.00	PSC CUNY - Cycle 45
June 2013	CAT Travel grant	\$500.00	Center Advancement Teaching - John Jay College
July 2013-June 2014	Traditional B Award	\$3,990.00	PSC CUNY - Cycle 44
2007-2011	FPU grant [Grant for PhD candidates - Training Program for University Faculty]	\$67,000.00	Spanish Ministry of Education

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSCCUNY45-TradB-AMartinezGomez.doc	65536	12/8/2013 6:31:20 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
<p>Independent Contractors</p> <p>Consulting work (professional translators) will be needed for transcribing and translating the 15 interviews which include languages that I am not competent in. The total time of these interviews is 3 hours and 20 minutes (rounding up to the next minute for all interviews). For calculations below, I am assuming: (a) a 1:10 ratio of recorded material to transcription time (cf. Zimanyi 2009), including proofreading and given the challenging conditions of the recording (two languages, potential acoustic problems and voice overlapping); (b) a 1:5 ratio of recorded material to translation time, considering the difficulty of the text and the language combination involved (including a minority language); and (c) a translation/transcription hourly rate of EUR 25. This means: (i) 3.33 recorded hours * 15 = 49.95 (50) transcription/translation hours; (ii) 50 hours * EUR 25 = EUR 1,250 = USD 1,714 (approx. data at exchange rate of USD 1.371/EUR on 12/8/13) [Rates are in Euros as translators/transcribers will be sought in Spain, as it will be easier (and thus more affordable) to find professionals in these language combinations there than in the United States.]</p>		1714.00 0.00	1714.00
<p>Released Time</p> <p>I will start working on this project in fall 2014. This period will be devoted to the transcription-translation stage and the qualitative coding of the transcripts (stages 1 and 2 in the methodology section of the project description document). In the spring of 2015 I will use the course-release time to conduct the full analysis of the data and to write and revise the article by the end of the semester (stages 3 to 5).</p>	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	5962.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-275 Rank: Distinguished Professor Tenured: Yes College: GRADUATE SCHOOL Panel: Comparative Literature & Modern Languages Discipline : Comparative Literature Co-PI :	Name : CAWS, Mary Ann Address : Telephone : Email:
---	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials Yes (attached to application, 2MB limit)

List of Supplementary Material project description, illustrations

Will Interviews be Conducted? No

Department COMPARATIVE LITERATURE

Title of Proposed Project: Gathering Places

Brief Abstract

Gathering Places

I am investigating the particular energies that are stimulated by and associated with the traditions and moments of certain groupings-- fictional and real -- of creative artists and writers in various regions, in art and writing colonies, gardens, cafes, and so on, as well as the various kinds of food and drink prevailing on those occasions, whenever possible.

As well as the work on the fictions, and archival work on the real colonies, this requires some travel, for starters: northern Germany, for the Worpswede group outside Bremen; Paris, for the Academie Julian in its various branches, Natalie Barney's Temple de l'Amitié, and the various cafés frequented by the surrealist group; Pont-Aven in Brittany , and Grez-sur-Loing; Charleston Farmhouse in Sussex in the UK; on the domestic side, Provincetown for the Long Point Gallery painters, and Old Lyme, Connecticut for the Florence Griswold House and museum. Much remains to be read about and explored.

Relevant Publications & Scholarship

from PSC-CUNY FUNDING:Gathering Places 5, 950 project 67638-00 45

in last 5 years:

BOOKs authored:

Glorious Eccentrics: Modernist Women Writing and Painting, 2008 RESULTED FROM PSCCUNY GRANT
to appear in Belgium in French, 2015

Modern Art Cookbook, 20013

Editions and translations

Pierre Reverdy (14 translators) New York Review Books, 20013

Pierre Reverdy Early to Late Boston: Black Widow Books, 2014

Articles:

review of Paula Modersohn-Becker, First modernist woman painter (London Review of Books), summer, 2012 RESULTED from PSCCUNY grant

Teacup, Meret Oppenheim, Gastronomica

Education

Institution	Degree	Year(s)	Discipline
University of Kansas	Ph.D.	1962	Romance Languages
Yale University	M.A.	1956	French
Bryn Mawr College	B.A. cum laude	1954	Romance Languages

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
July 2013-2014	gathering places	\$5,950.00	67638-00 45 TRDB-46-227

Attachments

Description	File Name	File Size	Date Attached
Project Description	gatheringplacesprojectdescription.	31232	12/10/2013 9:43:05 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe	0.00 0.00	0.00

	Benefit Expense MTA Payroll Tax		
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Research Supplies books of relevant material, photocopying in libraries		200.00 0.00	200.00
Domestic Travel various places in the us to see the restaurants, cafes, picnic spots, general gathering spots in which the groupings do or used to occur: Woodstock, Old Lyme, Provincetown		850.00 0.00	850.00
Manuscript Preparation/ Publication Costs this is the hardest item, depending on the publisher... for the modern art cookbook, the permission fees for the art and texts were IMMENSE, (300 for one poem, for example), so I am making a wild guess; but the fees would be for illustrations mostly, I would imagine		1750.00 0.00	1750.00
Foreign Travel many places to visit for this project as it develops-- initially Germany and France and Sussex --- long experience tells me that it is always more expensive than we think. I do not drive, and so will be using public transportation. travel plans dependent on husband's health -- in		3150.00 0.00	3150.00

principle, early summer for a week for Germany travel, a week in Paris, two days in Brittany			
		Total	5950.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-59 Rank: Assistant Professor Tenured: No College: QUEENS COLLEGE Panel: Comparative Literature & Modern Languages Discipline : Spanish Co-PI :	Name : Villa, Laura Address : Telephone : Email:
--	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department HISPANIC LANGUAGES & LITERATURE

List of Undesirable Reviewers No

Title of Proposed Project: The Standardization of Spanish in Mexico in the Nineteenth Century

Brief Abstract

This project studies the actors and agencies involved in the development of Mexican linguistic authorities and norms after the fall of the Spanish Empire. Through an exhaustive archival research and a critical discourse analysis approach, I seek to understand the role of language in Mexico's nation-building project, the use of institutionalized language policy in the discursive configuration of the national identity, and the negotiation of Mexican intellectuals with the standardization processes occurring in other parts of the Spanish-speaking world. The results from this investigation will be included in a book that examines the historical conditions that favored the promotion of different linguistic norms for the Spanish language after the American emancipation. I have already collected and analyzed documents related to the standardization processes in Spain and Chile. This project will complement the analysis by adding a comparative perspective with the other main center of linguistic formation in the nineteenth century: Mexico.

Relevant Publications & Scholarship

DISSERTATION (UNPUBLISHED)

Estandarización lingüística y construcción nacional: La norma española y la norma americana (1823-1857). Graduate Center, CUNY, 2010.

BOOK CHAPTERS

"The Officialization of Spanish in Mid-19th Century Spain." In A Political History of Spanish: The Making of a Language. Ed. José del Valle. Cambridge: Cambridge University Press, 2013.

“Los antecedentes de Á la nación española sobre reformas ortográficas (1852) de Mariano Cubí. Estudio y contextualización de sus ideas y propuestas sobre simplificación de la ortografía.” In *Historiografía lingüística: líneas actuales de investigación*. Eds. Battaner, Elena, Vicente Calvo and P. Peña. Münster: Nodus Publikationen, 2012. 916-925.

“‘Because When Governments Speak, They Are Not Always Right:’ National Construction and Orthographic Conflicts in Mid-Nineteenth Century Spain.” In *Language and History, Linguistics and Historiography*. Eds. Langer, Nils, Steffan Davies and Wim Vandenbussche. Bern: Peter Lang, 2012. 209-228.

CONFERENCE PRESENTATIONS

“Official Orthographies, Spelling Debates and Nation-Building Projects After the Fall of the Spanish Empire,” presented at the 46h Annual Meeting of the Societas Linguistica Europaea. Split University. Split, Croatia. September 18, 2013.

“Domingo Faustino Sarmiento y las conexiones entre los debates ortográficos a ambos lados del Atlántico (Chile y España, 1843-1849),” presented at the I Jornadas Internacionales de Historia de la Lingüística. Instituto de Lingüística, Universidad de Buenos Aires. Buenos Aires, Argentina. August 3, 2012.

“Andrés Bello and the Royal Spanish Academy: Parallels in the Configuration of Two State Grammars,” presented at The 14th Annual University of South Carolina Comparative Literature Conference, Transatlantics 2012: Cultural and Linguistic Intersections of the Transatlantic. University of South Carolina. Columbia, South Carolina. March 23, 2012.

“Los antecedentes de Á la nación española (1852) y las ideas ortográficas de Mariano Cubí y Soler,” presented at the VIII Congreso Internacional de la Sociedad Española de Historiografía Lingüística. Universidad Rey Juan Carlos. Madrid, Spain. December 12, 2011.

“The Impact of National Politics on the Officialization of Spanish in Mid-Nineteenth Century Spain,” presented at the Towson University Conference on Forging Linguistic Identities: Language in the Region, the Nation, and the World. Towson, Maryland. March 18, 2011.

“Spelling Communities: Controversial Orthographies and the Construction of (Trans) National Identities in the Spanish-Speaking World,” presented at the American Anthropological Association 2010 Annual Meeting. New Orleans, Louisiana. November 17, 2010.

“‘Because When Governments Speak, They Are Not Always Right:’ National Construction and Orthographic Conflicts in Mid-Nineteenth Century Spain,” presented at the Historical Sociolinguistics Network 2009 Conference: Language and History, Linguistics and Historiography. Bristol University. Bristol, UK. April 4, 2009.

Education

Institution	Degree	Year(s)	Discipline
Universidad de Oviedo (Spain)	B.A./M.A.	2003	Spanish Language and Literature

Graduate Center, CUNY	Ph.D.	2010	Hispanic Linguistics
-----------------------	-------	------	----------------------

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Summer 2009	Program for Cultural Cooperation between Spanish Ministry of Culture and United States Universities	\$2,600.00	Univesity of Minnesota
Academic Year 2009-2010	Spiaggia Dissertation Award	\$5,000.00	Graduate Center, CUNY
Summer 2011	Research Council Seed Grants	\$6,000.00	University of Dayton

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	PSC_Grant_2014_Budget.pdf	299300	12/14/2013 4:34:10 PM
Project Description	PSC_Grant_2014_Project.pdf	330336	12/14/2013 4:36:13 PM
Undesirable Reviewers List	PSC_Grant_2014_Reviewers.pdf	19489	12/14/2013 4:36:22 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00

Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
General Office Supplies/Xeroxing I will use this amount to request photocopies of books and documents at Mexico's libraries and archives, such as the Biblioteca Nacional, the Hemeroteca Nacional or the Academia Mexicana de la Lengua.		300.00 0.00	300.00
Summer Salary After my research trip to Mexico, I will devote the second half of the summer entirely to analyze the documents gathered and to write the corresponding parts of my book. This work will only be possible if I receive summer salary support.	Fringe Benefit Expense	2715.00 784.64	3499.64
Foreign Travel This total amount includes the round-trip ticket, lodging in Mexico, food and travel expenses. New York State travel guidelines establish a maximum per diem of \$320 in Mexico City (http://aoprals.state.gov/web920/per_diem_action.asp?MenuHide=1&CountryCode=1059). I am requesting an amount of \$136 a day.		4081.00 0.00	4081.00
		Total	7880.64

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-378 Rank: Distinguished Professor Tenured: Yes College: LEHMAN COLLEGE Panel: Computer Science & Library Discipline : Computer Science Co-PI :	Name : Pan, Victor Address : Telephone : Email:
---	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials Yes (attached to application, 2MB limit)

List of Supplementary Material publications since 2008, grants since 2008

Will Interviews be Conducted? No

Department COMPUTER SCIENCE

Title of Proposed Project: Advancing Matrix and Polynomial Computations

Brief Abstract

Matrices and polynomials are omnipresent in modern computations in Sciences, Engineering, and Signal and Image Processing. The P.I. has contributed with four books and over 260 refereed articles and book chapters. His current project focuses on three main areas, where he has already significant progress and promising techniques for new advances. He describes the goals, state of the art, his earlier and recent contributions, provides technical background and pointers to relevant bibliography, and describes his novel methods toward new progress. As before he plans to work jointly with the students of CUNY, who he shall support from PSC CUNY Award, as before. Currently he is guiding five CUNY students towards their PhD. See more in his publications since 2008 and Technical Reports at the CS Program of the Graduate Center of CUNY.

Relevant Publications & Scholarship

BOOK:
 Numerical Methods for Roots of Polynomials (XXI + 726 pages), (by J. M. McNamee and V. Y. Pan), Part II, Elsevier (August 2013).

SURVEYS AND BOOK CHAPTERS

1. "Preface to the Special Issue on Symbolic--Numerical Algorithms"
 (D. A. Bini, V. Y. Pan, and J. Verschelde editors), Theoretical Computer Science, 409, 2, 155-157 (2008).
2. "Algebraic and Numerical Algorithms" (by I. Z. Emiris, V.Y. Pan, and E. Tsigaridis), in "Algorithms and Theory of Computation Handbook", Second Edition, Volume 1: General Concepts and Techniques, 1016 pp., pages 1--34 in Chapter 17, (Mikhail J. Atallah and Marina Blanton, editors), CRC Press Inc., Boca Raton, Florida (2010).
3. "Fast Fourier Transform and Its Applications" (by I. Z. Emiris and V.Y. Pan), in

"Algorithms and Theory of Computation Handbook", Second Edition, Volume 1: General Concepts and Techniques, 1016 pp., pages 1–31 in Chapter 18, (Mikhail J. Atallah and Marina Blanton, editors), CRC Press Inc., Boca Raton, Florida (2010).

4. "Preface to the Special Issue on Symbolic and Numerical Algorithms" (by I. S. Kotsireas, B. Mourrain, and V. Y. Pan, editors), Theoretical Computer Science, 412, 16, 1443-1444 (2011).

5. "Preface to the Special Issue on Symbolic and Numerical Algorithms" (by I. S. Kotsireas, B. Mourrain, V. Y. Pan, and L. Zhi, editors), Theoretical Computer Science, 479, 1-3 (2013).

6. "Algebraic Algorithms" (by I. Z. Emiris, V.Y. Pan, and E. Tsigaridas), Chapter 10 of Computing Handbook (Third edition), Volume I: Computer Science and Software Engineering (Allen B. Tucker, Teo Gonzales, and Jorge L. Diaz-Herrera, editors), Taylor & Francis Group, in print.

RESEARCH PAPERS (IN JOURNALS AND REFEREED PROCEEDINGS)

1. "Additive Preconditioning and Aggregation in Matrix Computations" (by V. Y. Pan, D. Ivolgin, B. Murphy, R. E. Rosholt, I. Taj-Eddin, Y. Tang, and X. Yan), Computers and Mathematics with Applications, 55, 8, 1870–1886 (2008).

2. "Eigen-solving via Reduction to DPR1 matrices" (by V.Y.Pan, B. Murphy, R. Rosholt, Y. Tang, X. Wang, A. Zheng), Computers and Mathematics with Applications, 56, 166–171 (2008).

3. "Additive Preconditioning for Matrix Computations" (by V.Y. Pan, D. Ivolgin, B. Murphy, R. E. Rosholt, Y. Tang, X. Yan), in Proc. of the Third International Computer Science Symposium in Russia (CSR 2008), Lecture Notes in Computer Science (LNCS), 5010, 372–383 (2008).

4. "Degeneration of Integer Matrices Modulo an Integer" (by V.Y. Pan and X. Wang), Linear Algebra and Its Applications, 429, 2113-2130 (2008).

5. "Schur Aggregation for Linear Systems and Determinants" (by V.Y. Pan, D. Grady, B. Murphy, G. Qian, R. E. Rosholt, A. Ruslanov), Theoretical Computer Science, Special Issue on Symbolic–Numerical Algorithms (D.A. Bini, V.Y. Pan, and J. Verschelde, editors), 409, 255-268 (2008).

6. "A New Error-free Floating-Point Summation Algorithm" (by V. Y. Pan, Murphy, G. Qian, R. E. Rosholt), Computers and Mathematics with Applications, 57, 560-564 (2009).

7. "Additive Preconditioning, Eigenspaces, and the Inverse Iteration" (by V. Y. Pan and X. Yan), Linear Algebra and Its Applications, 430, 186-203 (2009).

8. "Preconditioning, Randomization, Solving Linear Systems, Eigen-Solving, and Root-Finding" (by V. Y. Pan, G. Qian, A.-L. Zheng), Proc. International Symposium on Symbolic-Numerical Computations (Kyoto, Japan, August 2009), pp.5-6, ACM Press, New York (2009).

9. "Nearly Optimal Symbolic-Numerical Algorithms for Structured Integer Matrices and Polynomials" (by V.Y. Pan, B. Murphy, R.E. Rosholt), Proc. International Symposium on Symbolic- Numerical Computations (Kyoto, Japan, August 2009), pp. 105- 113, ACM Press, New York (2009).

10. "Root Squaring with DPR1 matrices" (by V.Y. Pan), in Zapiski Nauchnykh Seminarov POMI (in English), volume 373 (ed.N.N. Vasiliev and A.M.Vershik), pp.189-193 (2009).
11. "Solving Homogeneous Linear Systems with Randomized Preprocessing" (by V. Y. Pan and G. Qian), Linear Algebra and Its Applications, 432, 3272–3318 (2010).
12. "Unified Nearly Optimal Algorithms for Structured Matrices" (by V. Y. Pan, B. Murphy, R. E. Rosholt), Operator Theory: Advances and Applications, 199, 359-375, Birkhauser, Basel (2010).
13. "Additive Preconditioning for Matrix Computations" (by V.Y. Pan, D. Ivolgin, B. Murphy, R. E. Rosholt, Y. Tang, X. Yan), Linear Algebra and Its Applications, 432, 1070-1089 (2010).
14. "Newton's Iteration for Matrix Inversion, Advances and Extensions" (by V.Y. Pan), pp. 364-381, in MATRIX METHODS: THEORY, ALGORITHMS AND APPLICATIONS (Dedicated to the Memory of Gene Golub, edited by Vadim Olshevsky and Eugene Tyrtyshnikov), World Scientific Publishing, New Jersey, ISBN-13 978-981-283-601-4, ISBN-10-981-283-601-2, (2010).
15. "Advancing Matrix Computations with Randomized Preprocessing" (by V. Y. Pan, G. Qian, A.-L. Zheng), in Proc. of the Fifth International Computer Science Symposium in Russia (CSR 2010), Kazan, Russia, June 2010 , Farid Ablae, Ernst W. Mayr (Eds.), Lecture Notes in Computer Science (LNCS), pages 303-314, Springer, Berlin (2010).
16. "Real and Complex Polynomial Root-Finding with Eigen-Solving and Preprocessing" (by V.Y. Pan, A.-L. Zheng), in Proc. International Symp. on Symbolic and Algebraic Computation (ISSAC 2010), pages 219-226, ACM Press, New York (July 2010).
17. "Matrix Computations and Polynomial Root-finding with Preprocessing" (by V.Y. Pan, G. Qian, A.-L. Zheng, Z. Chen), Linear Algebra and Its Applications, 434, 854–879 (2011).
18. "New Progress in Real and Complex Polynomial Root-Finding" (by V.Y. Pan, A.-L. Zheng), Computers and Math. (with Applications), 61, 1305-1334 (2011).
19. "Univariate Polynomial Root-Finding by Arming with Constraints" (by V.Y. Pan), in Proc. International Symposium on Symbolic-Numerical Computations (SNC 2012), San Jose, California, June 2011, (edited by Marc Moreno Masa), ACM Press, New York (2011).
20. "Randomized Preconditioning of the MBA Algorithm" (by V.Y. Pan, G. Qian, A.-L. Zheng), , in Proc. International Symp. on Symbolic and Algebraic Computation (ISSAC 2011), San Jose, California, June 2011 (edited by Anton Leykin),281-288, ACM Press, New York (2011).
21. "Nearly Optimal Solution of Rational Linear Systems of Equations with Symbolic Lifting and Numerical Initialization"

(by V.Y. Pan), Computers and Mathematics with Applications, 62, 1685-1706 (2011).

22. "Root-finding by Expansion with Independent Constraints" (by V.Y. Pan and A.-L. Zheng), Computers and Mathematics with Applications, 62, 3164-3182 (2011).

23. "Efficient Polynomial Root-refiners: A Survey and New Record efficiency estimate" (by J. M. McNamee and V.Y. Pan), Computers and Mathematics with Applications, 63, 239-254 (2012).

24. "A Note on the Paper by Murat Cenk and Ferruh Osbudak "Multiplication of polynomials modulo x^n ", Theoret. Comput. Sci. 412 (2011) 3451–3462", Theoret. Comput. Sci. 428, page 91 (2012).

25. "Root-refining for a Polynomial Equation", Proceedings of CASC 2012 (V.P. Gerdt et al. editors), Lecture Notes in Computer Science, 7442, 271-282, Springer, Heidelberg (2012).

26. "Real and Complex Polynomial Root-Finding with Eigen-Solving and Randomization" (by V.Y. Pan, G. Qian, and A.-L. Zheng), Proceedings of CASC 2012 (V.P. Gerdt et al. editors), Lecture Notes in Computer Science, 7442, 283-293, Springer, Heidelberg (2012).

27. "Solving linear systems of equations with randomized augmentation and aggregation" (by V.Y. Pan and G. Qian), Linear Algebra and Its Applications, 437, 2851-2876 (2012).

28. 19. "Randomized Preconditioning versus Pivoting" (by V.Y. Pan, G. Qian, A.-L. Zheng), Linear Algebra and Its Applications, 438, 4, 1883-1889, 2013.

29. "On the Boolean Complexity of the Real Root Refinement" (by V.Y. Pan and E.P. Tsigaridas), in Proc. International Symp. on Symbolic and Algebraic Computations, (ISSAC 2013), Boston, Massachusetts, June 2013, (M. Kauers ed.), 299-306, ACM Press, New York, 2013.

30. "Polynomial Evaluation and Interpolation and Transformations of Matrix Structures", Proceedings of CASC 2013 (V.P. Gerdt et al. editors), Lecture Notes in Computer Science, 8136, 273-287, Springer, Heidelberg (2013).

Education

Institution	Degree	Year(s)	Discipline
Moscow University	PhD	1964	Mathematics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
7/1/10-	Advancing Matrix and Polynomial Computations	\$6,000.00	PSC-CUNY

6/30/11			
7/1/11-6/30/14	NOVEL METHODS FOR FUNDAMENTAL MATRIX	\$350,000.00	NSF
7/1/09 - 6/30/10	Algebraic and Numerical Algorithms for Matrix and Polynomial Computations	\$4,300.00	PSC-CUNY
7/1/08 - 6/30/09	Algebraic and Numerical Algorithms for Matrix and Polynomial Computations	\$3,800.00	PSC-CUNY
7/1/07 - 6/30/08	Algebraic and Numerical Algorithms for Matrix and Polynomial Computations	\$3,990.00	PSC-CUNY
7/1/06 - 3/30/07	Matrix and Polynomial Computations	\$3,175.00	PSC-CUNY
7/1/05 - 6/30/06	Matrix and Polynomial Computations	\$2,804.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	13_45.pdf	151475	12/12/2013 2:32:41 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00

Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Staff The money is requested for paying the salary to the students working on the project	Fringe Benefit Expense MTA Payroll Tax	4973.00 489.34	5462.34
		Total	5462.34

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-14	Name : Jain, Shweta
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: YORK COLLEGE	Email:
Panel: Computer Science & Library	
Discipline : Computer Science	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department COMPUTER SCIENCE
List of Undesirable Reviewers No

Title of Proposed Project:

Storage Aware Protocol for Capacity Management in Highly Dense Indoor Wireless Networks

Brief Abstract

Highly dense wireless networks such as conferences, arenas and theaters, are often over-provisioned and yet unable to provide quality of service for content delivery to users. SAP provides techniques that can reduce bandwidth demand on the access point infrastructure in highly dense networks (HDN) by allowing content retrieval from caches located on user devices. Device to device (D2D) communication is used to retrieve the cached content thus, offloading traffic from the Device to Infrastructure (D2I) band. Since, SAP-2.0 allows routing based on globally unique IDs rather than network interface address, link layer transmissions may be scheduled over any RF technology (Bluetooth, Wi-Fi, 3G, 4G) so that competition for airtime between D2D and D2I communication is eliminated or minimized. Indoor localization used for nearest cache location, location aided routing, geo-casting based forwarding and location based multi-technology link scheduler are the intellectual merits of this project proposal.

Relevant Publications & Scholarship

Y Hirano, S Shivkumaran, S Jain "PS: Path Sharing Scheme for AMI Networks", 2012 World Telecommunication Congress

R Shinkuma, S Jain, Roy Yates, "In Network Caching Strategies for Intermittently Connected Mobile Users", 34th IEEE Sarnoff Symposium 2011

S Jain, S Gopinath, D Raychaudhuri, "STAR: Storage Aware Routing for Generalized Delay Tolerant Networks", IEEE World of Wireless, Mobile and Multimedia Conference WoWMoM 2011

Y.Hirano, S. Jain, D.Raychaudhuri. "Chain Effect of Route Recoveries and MAC

layer Collisions in Wireless Multi-hop Networks." IEEE Wireless COmmunication and Networking Conference (WCNC) 2011.

Sneha Gopinath, Shweta Jain, Shivesh Makharia, Dipankar Raychaudhuri,. "An Experimental Study of the Cache-and-Forward Network Architecture in Multi-hop Wireless Scenarios." 17th IEEE Workshop on Local and Metropolitan Area Networks (LANMAN 2010). : .

Gautam Bhanage, Yanyong Zhang, Ivan Seskar, Dipankar Raychaudhuri, Shweta Jain. "Performance comparison between OpenVZ and UML based testbed virtualization." 6th International ICST Conference on Testbeds and Research Infrastructures for the Development of Networks & Communities. : .

Ryochi Shinkuma, Shweta Jain, Roy Yates. "Network Caching Strategies for Intermittently Connected Mobile Users." 20th Commemorative Personal, Indoor and Mobile Radio Communications Symposium (PIMRC'09). : .

Shweta Jain, Ayesha Saleem, Hongbo Liu, Yanyong Zhang, Dipankar Raychaudhuri,. "Design of Link and Routing Protocols for Cache-and-Forward Networks." IEEE Sarnoff Symposium. : .

Ritesh Maheshwari, Shweta Jain, Samir R. Das. "A Measurement Study of Interference Modeling and Scheduling in Low-Power Wireless Networks." 6th ACM Conference on Embedded Networked Sensor Systems (ACM SenSys). : .

Ritesh Maheshwari, Shweta Jain, Samir R. Das. "On Estimating Joint Interference for Concurrent Packet Transmissions in Low Power Wireless Networks." 3rd ACM International Workshop on Wireless Network Testbeds, Experimental Evaluation and Characterization (WiNTECH 2008). : .

Shweta Jain, Samir R Das, Himanshu Gupta. "Distributed Protocol for Scheduling and Rate Control to achieve Max-Min Fairness in Wireless Mesh Networks." IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks. : .

Shweta Jain, Samir R Das. "Collision Avoidance in Multi-Reader RFID Networks." Shweta Jain, Samir R Das. : .

Shweta Jain, Samir R Das,. "Multicast MAC for Wireless Multihop networks." First International Conference on COmmunication System softWARE and MiddlewaRE (COMSWARE). : .

Shweta Jain, Samir R Das,. "Exploiting Path Diversity in the Link layer in Wireless Ad-Hoc Networks." IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks. : .

Chapters in Field Of Expertise:

Shweta Jain, Suli Zhao. "Ad hoc and mesh network protocols, and their Integration with the Internet." Emerging Wireless Technologies and the Future Internet, Dipankar Raychaudhuri and Mario Gerla, editors. Cambridge University Publishers 2010

Education

Institution	Degree	Year (s)	Discipline
Bengal Engineering and Science University	B.E	2001	Electronics & Telecommunication Engineering
Stony Brook University	MS	2005	Computer Science
Stony Brook University	PH.D.	2007	Computer Science

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
July 1 2012-June 30 2013	SAP: Storage Aware Protocols for the Future Internet	\$5,996.00	PSC-CUNY-43
July 1 2011-June 30 2012	XITI: Mitigating Cross and Intra Technology Interference in Wireless Networks	\$5,966.00	PSC-cuny 42

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	budget_justification.pdf	59421	11/28/2013 12:13:35 PM
Project Description	jain_shweta_york.pdf	363081	11/28/2013 12:30:54 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00

Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Domestic Travel Domestic travel to conferences and conference registration fees for the PI and research assistant will be partially covered through this budget item. These travels will allow presentation of this work to experts in the field and receive valuable feedback.		898.10 0.00	898.10
Summer Salary The PI will spend her summer working on this project. She will be extensively involved with students in software integration of various components of the project. Therefore, summer salary is requested to enable preliminary background work, clear solution design and specification for protocol implementation and experimentation.	Fringe Benefit Expense	3500.00 1011.50	4511.50
Research Staff Undergraduate student research assistants will receive stipends to assist the PI in software development, simulation and analysis. This stipend will offset the student's cost of living so that he/she can concentrate on the project instead of taking up on or off campus jobs.	Fringe Benefit Expense MTA Payroll Tax	6000.00 590.40	6590.40
		Total	12000.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-637 Rank: Assistant Professor Tenured: No College: BARUCH COLLEGE Panel: Economics & Political Science Discipline : Economics Co-PI :	Name : Manzan, Sebastiano Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department ECONOMICS & FINANCE

Title of Proposed Project: Behavioral Heterogeneity in the Survey of Professional Forecasters

Brief Abstract

The aim of this proposal is to categorize professional forecasters in groups that use similar expectational rules to produce their forecasts and estimate these rules from the data. We plan to consider two (complementary) approaches to estimate and classify these rules that have been developed from the experimental economics literature. The outcome of this project will allow to test assumptions on expectation formation that are routinely used in theoretical models and improve our understanding of the dynamics of expectation of macroeconomic variables.

Relevant Publications & Scholarship

- 1) Manzan, S., Journal of Business and Economic Statistics, "Forecasting the distribution of economic variables in a data-rich environment", 2014, forthcoming
- 2) Manzan, S., Zerom, D., Oxford Bulletin of Economics and Statistics, "Asymmetric quantile persistence and predictability: the case of U.S. inflation", 2014, forthcoming
- 3) Hua, J., Manzan, S., Journal of Banking and Finance, "Forecasting the Return Distribution using High-Frequency Volatility Measures", 2013, volume 37, 4381-4403
- 4) Manzan, S., Zerom, D., International Journal of Forecasting, "Are Macroeconomic Variables Useful for Forecasting the Distribution of U.S. Inflation?", 2013, volume 29, 993-1017
- 5) Manzan, S., Journal of Money, Credit, and Banking, "Differential Interpretation in the Survey of Professional Forecasters", 2011, volume 43, 993-1017
- 6) Manzan, S., Ross, H.N., Economics Bulletin, "U.S. Manufacturing: Productivity, Offshoring, and Imports", 2011, volume 31(4), 2875-2883
- 7) Manzan, S., Zerom, D., Econometric Reviews, "A Semiparametric Analysis of Gasoline Demand in the US: Reexamining the Impact of Price", 2010, 29, 439-468.
- 8) Manzan, S., Zerom, D., International Journal of Forecasting, "A Bootstrap-based Nonparametric Forecast Density", 2008, volume 24(3), 535-550.
- 9) Manzan, S., Quantitative and Qualitative Analysis in Social Sciences, "Nonlinear Mean Reversion in Stock Prices", 2007, volume 1(3), 1-20.

- 10) Manzan, S., Westerhoff, F. Journal of Economic Behavior and Organization, "Heterogeneous Expectations, Exchange Rate Dynamics and Predictability", 2007, volume 64 (1), 111-128.
- 11) Boswijk, H.P., Hommes, C.H., Manzan, S. Journal of Economic Dynamics and Control, "Behavioral Heterogeneity in Stock Prices", 2007, Volume 31(6), 1938-1970.
- 12) Manzan, S., Zerom, D. Statistics and Probability Letters, "Kernel Estimation of a Partially Linear Additive Model", 2005, volume 72, 313-322.
- 13) Hommes, C.H., Manzan, S. Journal of Macroeconomics, "Testing for Nonlinear Structure and Chaos in Economic Time Series: A Comment", 2005, volume 28, 169-174.
- 14) Manzan, S., Westerhoff, F. Journal of Economic Dynamics and Control, "Representativeness of News and Exchange Rate Dynamics", 2005, volume 29(4), 677-689.
- 15) Manzan, S. Empirical Economics, Springer, "Model Selection for Nonlinear Time Series", 2004, volume 29(4), 901-920.
- 16) Manzan, S., Westerhoff, F. Economics Bulletin, "Does liquidity in the FX market depend on volatility?", 2004, volume 6(10), 1-8.
- 17) Diks, C., Manzan, S. Studies in Nonlinear Dynamics and Econometrics, Berkeley Electronic Press, "Tests for Serial Independence and Linearity Based on Correlation Integrals", volume 6(2), 21 pages.

Education

Institution	Degree	Year(s)	Discipline
University of Venice	BA in Economics	1997	Economics
University of Amsterdam	PhD in Economics	2003	Applied Econometrics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
07/01/2014-06/30/2015	Behavioral Heterogeneity in the Survey of Professional Forecasters	\$3,500.00	PSC-CUNY Program year 45
07/01/2013-06/30/2014	Density forecasts in the Survey of Professional forecasters	\$3,497.00	PSC-CUNY Program Year 44
07/01/2012-06/30/2013	Forecasting the distribution of financial returns using realized volatility	\$3,500.00	PSC-CUNY Program Year 43
07/01/2011-06/30/2012	Using disaggregate expenditure data to forecast aggregate US inflation	\$3,369.00	PSC-CUNY Program Year 42
07/01/2010-06/30/2011	Forecasting the distribution of inflation in a data-rich environment	\$3,006.00	PSC-CUNY Program Year 41
07/01/2009-06/30/2010	Heterogeneity of Expectations	\$3,000.00	PSCP-CUNY Program Year 40

Attachments

Description	File Name	File Size	Date Attached

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00

Research Supplies Funding is requested to purchase books related to the project: G. Koop, Bayesian Econometrics, Wiley, \$70 E. Greenbergh, Introduction of Bayesian Econometrics, CUP, \$50		120.00 0.00	120.00
Foreign Travel Travel support is requested for a visit to the University of Amsterdam (Netherlands) to work with professor Cars Hommes who is involved in the project as co-investigator. The budget is justified as follows: flight \$1,200, lodging \$1,355 (5 days at \$271 based on the rate on the US Department of State website), meal & incidental expenses \$825 (5 days at \$165 - from US Dept. of State)		3380.00 0.00	3380.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-675 Rank: Assistant Professor Tenured: Yes College: KINGSBOROUGH C.C Panel: Economics & Political Science Discipline : Political Science Co-PI :	Name : Segal, Jacob Address : Telephone : Email:
---	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department ACADEMIC ADVISEMENT/SKILLS

Title of Proposed Project: Ideology and the Reform of Public Higher Education

Brief Abstract

Elected officials at the state and federal level have pushed for reforms that judge public institutions of higher learning based on certain "performance" metrics. Public funding of higher education is linked to whether institutions meet these metrics. In my paper, I develop a critique of these reforms through an ideological alliance between dissimilar intellectual positions, those of the conservative philosopher Michael Oakeshott and "radical" writers in the poststructuralist tradition of Michel Foucault.

Relevant Publications & Scholarship

Peer-Reviewed

"Virtue and Normalization: Oakeshott, Galston and the Problem of Liberal Individuality." Contemporary Political Theory. Vol. 10, No 1 (2011): 190-209

"A Delight in Doing; Individuality and Action in the Political Thought of Hannah Arendt." New England Journal of Political Science. Vol 2, Issue 2 (Spring 2007) 3-21.

"The Discipline of Freedom: Action and Normalization in the Theory and Practice." New Political Science. Vol 28, Issue 3 (September 2006) 323-334

"Freedom and Normalization: Poststructuralism and the Liberalism of Michael Oakeshott." American Political Science Review Vol. 97, No. 3 (August 2003): 447-458.

"Marx, Time and the Deontological Project." New Political Science Vol. 22, No. 2 (June 2000): 249-263.

"A Storm From Paradise: Liberalism and the Problem of Time." Critical Review Vol.

8, No. 1 (Winter 1994): 23-48.

Other

Review of The Trouble with America: Flawed Government, Failed Society by Kenneth J. Long. New Political Science Vol. 11, No. 1 (2001): 128-131.

Review of Liberty Beyond Neo-Liberalism. by Steven Slaughter. Perspectives on Political Science. Vol. 5. No. 3 (September 2007): 618-620

Review of Neuropolitics by William Connolly. Political Studies Review. Vol. 2. No. 2 (April 2004): 213.

Review of The End of Overconsumption: Toward a Lifestyle of Moderation of Self-Restraint by Marius de Geus. Political Studies Review. Vol. 2. No. 2 (April 2004): 214.

Review of Political Liberalism by John Rawls. The Forward (April 1, 1994).

Review of Hannah Arendt and the Jewish Question by Richard J. Bernstein. The Forward (June 27, 1997).

Contributor to Cantor, Norman, general editor, Encyclopedia of the Middle Ages. New York, Viking-Penguin, 1999.

Education

Institution	Degree	Year(s)	Discipline
Washington University	B.A.	1987	Political Science/History
University of Chicago	M.A	1988	Social Sciences
Columbia University	Ph.D	1997	Political Science

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Summer 2010	Summer Research Grant	\$3,867.00	CUNY Research Foundation
Summer 2008	Summer Research Grant	\$3,750.00	CUNY Research Foundation
Summer 2006	Summer Research Grant	\$2,750.00	CUNY Research Foundation
Summer 2007	Summer Research Grant	\$3,750.00	CUNY Research Foundation

Attachments

Description	File Name	File Size	Date Attached
Project Description	projectdescription.docx	36735	12/20/2013 9:43:18 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Summer Salary (Principal Investigator) This summary salary will allow me to forgo teaching and write this paper.	Fringe Benefit Expense	2715.00 784.64	3499.64

		Total	3499.64
--	--	--------------	----------------

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-349 Rank: Assistant Professor Tenured: No College: JOHN JAY COLLEGE OF CRIMINAL JUSTICE Panel: Economics & Political Science Discipline : Political Science Co-PI :	Name : Michel, Veronica Address : Telephone : Email:
--	---

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department POLITICAL SCIENCE

Title of Proposed Project: Prosecutorial Organs, Institutional Design, and Access to Justice in Europe and Latin America
--

Brief Abstract

This research project aims to add to our understanding of where and when we see prosecutions against state agents for human rights violations. Previous studies have emphasized international, institutional, and transitional factors when explaining this trend, but few have recognized the role that the institutional design of the PPO may play in the efforts to fight for justice in human rights cases. In this project I will answer one question: does the institutional design of the PPO matter for how states respond to human rights violations, and if so how? With this grant I will be able to gather information on the institutional design of PPOs to be able to assess through statistical analyses the impact of institutional design on human rights prosecutions. The outcome of this project will be an original database as well as a publishable research paper.

Relevant Publications & Scholarship

- Dancy, G. and V. Michel "'Human Rights Enforcement From Below: Private Actors and Prosecutorial Momentum in Latin America and Europe" (Revise & Resubmit at International Studies Quarterly).
- Michel, Veronica "Will by Design? Exploring the Impact of Institutional Design of the Public Prosecutor's Office in Human Rights Prosecutions in Latin America" (under review at the Journal of Human Rights)
- Michel, Veronica and Kathryn Sikkink (2013) "Human Rights Prosecutions and the Participation Rights of Victims in Latin America" Law and Society Review 47(4): 873-907.

Education

Institution	Degree	Year(s)	Discipline
University of Minnesota	PhD	2012	Political Science
Universidad Nacional Autonoma de Mexico (UNAM)	BA	2004	International Relations

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
August 2014	Enhanced Travel Funding Award	\$700.00	OAR-John Jay College
July 2014-June 2015	PSC-CUNY Research Award	\$5,838.00	CUNY
July 2013-June 2014	PSC-CUNY Research Award	\$5,923.00	CUNY
Fall 2010-Spring 2011	Doctoral Dissertation Fellowship	\$22,500.00	Graduate School-University of Minnesota

Attachments

Description	File Name	File Size	Date Attached
Project Description	Michel_PSCCUNY.doc	80384	12/13/2013 5:34:11 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit	0.00 0.00	0.00

	Expense		
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Domestic Travel Attendance to American Political Science Association annual conference to present paper with research project findings in San Francisco (4 nights @ 170 per night plus airfare 700 + 210 conference registration fee)		1590.00 0.00	1590.00
Released Time	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	5838.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-514 Rank: Assistant Professor Tenured: No College: KINGSBOROUGH C.C Panel: Education Discipline : Education Co-PI :	Name : Kahn, Gabrielle Address : Telephone : Email:
--	--

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department ENGLISH

Title of Proposed Project: Sociocultural Theory and the Design of a One-Year ESL Learning Community Program

Brief Abstract

Drawing upon Vygotsky's (1978, 1986) sociocultural theory, this project explores the potential in providing structured learning community support over time for at-risk students in a community college setting. While the Intensive ESL Learning Community Program at Kingsborough Community College, CUNY, a one-semester program, has been running successfully since 1995, some program benefits are weakened as students progress beyond the first term. This finding informed the design of a yearlong learning community option for ESL freshmen: Accelerated College ESL (ACE). The sociocultural theoretical view that learning is at once collaborative and gradual grounded the revised program structure and curriculum, and will be examined as a valuable guide for learning community scholars and educators in community college contexts.

Relevant Publications & Scholarship

In Review

Narrative discourse in the second language classroom. In L. Grujicic-Alatrisme (Ed.), Discourse analysis in diverse settings: Research findings, their relevance, and applicability. Multilingual Matters.

Invited Contributor

Graziano, J., and Kahn, G. (2013). Sustained faculty development in learning communities. Learning Communities Research and Practice, 1(2), Article 5.

Kahn, G. (2012). Open-ended tasks and the qualitative investigation of second language classroom discourse. Journal of Ethnographic and Qualitative Research, 6 (2), 90-107.

Graziano-King, J., & Kahn, G. (2008). Exploring voice as integration: A direction for

assessing student work in learning communities with composition. Journal of Learning Communities Research, 3(3), 75-87.

Education

Institution	Degree	Year(s)	Discipline
Wesleyan University	B,A,	1993	Classical Studies
Teachers College, Columbia University	M.A.	2000	TESOL
Teachers College, Columbia University	Ed.M.	2003	Applied Linguistics
Teachers College, Columbia University	Ed.D.	2008	Applied Linguistics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2012-2013	Using Digital Storytelling with ESL Students	\$4,976.00	Kingsborough President's Faculty Innovation Award

Attachments

Description	File Name	File Size	Date Attached
Project Description	Kahn_PSC-CUNY_A.pdf	25398	12/12/2013 11:54:48 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00

General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Summer Salary (Principal Investigator) I am currently the sole faculty coordinator of Kingsborough's ESL learning community program, and an ESL instructor within the program. Having been engaging Vygotsky's ideas in my scholarship for years, and bringing his work to my learning community colleagues, I have not yet had the opportunity to write about the union of sociocultural theoretical concepts and learning community programmatic reform. This grant would allow this opportunity. Thank you for your consideration.	Fringe Benefit Expense	2715.00 784.64	3499.64
		Total	3499.64

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-145	Name : Sonu, Debbie
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: HUNTER COLLEGE	Email:
Panel: Education	
Discipline : Education	
Co-PI :	

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials Yes (attached to application, 2MB limit)
List of Supplementary Material References and Timeline
Will Interviews be Conducted? Yes
Department CURRICULUM & TEACHING

Title of Proposed Project:

Persisting Through the Pipeline: A Mixed Methods Research Study on Latina/o Undergraduate History Majors and their Induction into Teacher Education

Brief Abstract

This mixed methods research study examines the factors that influence the recruitment of Latina/o undergraduates into high school history and social studies teaching. It uses survey methods, semi-structured interviews, and two focus groups with Latina/o undergraduate history majors at both John Jay and Hunter College campuses in order to examine their viewpoints on the profession of teaching and the structural supports that influence induction into and preparation for graduate studies and certification. This study aims to address the much-needed recruitment and retention of teachers of color into a field with an increasingly diversified student population. It addresses an urgent concern for the CUNY-wide low four-year graduation rate by studying the impact of mentorship and advisement while informing the program development of teacher education programs. The underlying assumption is that a clear understanding of expectations in both academic and career-oriented pathways plays a vital role in the success of teacher candidates.

Relevant Publications & Scholarship

PUBLICATIONS

PEER-REVIEWED ARTICLES & CHAPTER

Sonu, D. (under review). A young adult's forgotten memories of a social justice high school education. International Journal for Qualitative Studies in Education.

Sonu, D. (under review). In the pursuit of peace: A qualitative study on classroom co-existence and subjectification in four elementary school classrooms. Journal of Peace Education.

Sonu, D. (resubmitted). Devolution and deformation: Social studies and the teaching of the ecology in the neoliberal elementary school classroom, *Journal of Curriculum and Pedagogy*.

Sonu, D. (2013). Justice Work In and Out of Justice Itself. Special issue of *Journal of Curriculum Theorizing*, edited by Therese Quinn and Erica R. Meiners

Sonu, D. (2013). Friendship, Education, and Justice Teaching: The Professional Development of Two Teacher-Friends, *Teaching and Learning: Journal of Natural Inquiry and Reflective Practice*, 27(1), p. 19-34.

Sonu, D. (2012). Disobedience and the commonsense revolution. *International Journal of Social Education: The Life and Work of Howard Zinn*, 24(1), p. 39-44.

Sonu, D., Oppenheim, R., Epstein, S. & Agarwal, R. (2012). Taking responsibility: Using positioning theory to understand who's responsible for a social justice education, *Education, Citizenship, and Social Justice*, (7)2, p. 175-189.

Sonu, D. (2012). Illusions of compliance: Performing the public and hidden transcripts of social justice education in neoliberal times, *Curriculum Inquiry*, 42(2), p. 240-259.

Sonu, D. & Moon, S. (2010). Re-visioning into thirdspace: Autobiographies on home-and-homeland, *Journal of Curriculum and Pedagogy*, 6(2), p. 142-162.

Sonu, D. (2009). Social Justice must be action: Obligatory duty and the institutionalizing of activism in schools. *Journal of Curriculum Theorizing*, 25(2), p. 90-104.

Agarwal, R., Epstein, S., Oppenheim, R., Oyler, C., & Sonu, D. (2009). From ideal to practice and back again: Beginning teachers teaching for social justice, *Journal of Teacher Education*, 61(3), p. 237-247.

ARTICLES UNDER REVIEW

Quinn, M. & Sonu, D. (under review). Following pebbles by moonlight: Elementary students shed light on power, peace, and violence in response to the classic tale Hansel and Gretel. *Critical Literacy: Theories and Practices*

Sonu, D. (under review). Three kinds of violence and a fifth grade history textbook, *The Social Studies*

BOOKS

Chong, K., Davies, I., Epstein, T., Peck, C., Peterson, A., Sears, A., & Sonu, D. (forthcoming, 2015). *Education for the nation?: Teaching and learning within and across nations in a global age*. Hampshire: UK: Palgrave-MacMillan.

BOOK CHAPTERS

Sonu, D. (forthcoming, 2015). Remembering Sadie: A young adult and her memories of a social justice education. *Transformative Researchers for Education and*

Democracy.

Sonu, D. & S. Hughes. (forthcoming, 2015). The Youth Cultural Milieu, in M.F. He, B. Schultz & B. Schubert (Eds.), Guide to Curriculum in Education. New York: Sage.

Sonu, D. (forthcoming, 2015). Chapter, in E. Malewski (Ed.), Interventions Handbook: Advocacy and Activism in Curriculum Studies. New York: Palgrave MacMillan.

Sonu, D. (2014). For the Sake of Diplomacy: The Educational (im)Possibility of Teaching Peace by New York City Elementary School Teachers. In R. Naqvi & R. Smits (Eds.), Framing Peace: Thinking about and Enacting Curriculum as "Radical Hope" (pp. 168-180). New York: Peter Lang.

NON-PEER REVIEWED ARTICLES

Sonu, D. (2011). Breathing spaces in neoliberal places: An essay review of Peter Taubman's Teaching By Numbers, Journal of Curriculum Theorizing, 27(3), p. 308-316.

Sonu, D. (2011). Social justice as a pedagogy of edge, Teacher Education & Practice, 23 (4), p. 459-461.

Sonu, D. (2011). The uncompromised curriculum: Videos of teachers teaching social justice issues, Social Studies and the Young Learner, 23(4).

Sonu, D (Summer 2010). Imagination and the Immigrant, The Society for the Study of Social Problems Newsletter, p. 6-7.

BOOK REVIEWS

Nov 2014 Adolescence in the 21st Century: Constants and Challenges by Frances Spielhagen and Paul Schwartz. Teachers College Record, retrievable at: <http://www.tcrecord.org> ID Number: 17751

July 2011 Revolutionizing Pedagogy: Education for Social Justice Within and Beyond Global Neo-liberalism, Reviewed by Debbie Sonu. Teachers College Record, retrievable at: <http://www.tcrecord.org> ID Number: 16465.

Winter 2006 Learning Power: Organizing for Education and Justice by Oakes, Rogers, and Lipton, Reviewed by Debbie Sonu. Encounters: Education for Meaning and Social Justice, Vol. 19 (4), p. 51.

PROJECTS

Summer 2010 Social Issues in the Elementary Classroom: Short films on New York City elementary school teachers broaching social issues with young children, retrievable at: <http://socialjusticeteaching.tumblr.com/>

PROFESSIONAL HISTORY

Sept '09 to present Assistant Professor of Social Studies, Department of Curriculum & Teaching, Hunter College, City University of New York

Sept '08 to June '09 Associate Coordinator, Doctoral Program, Department of Curriculum & Teaching, Teachers College, Columbia University
Assists with organizational aspects of the doctoral program; works closely with faculty and administrative assistants; develops focus groups and edits doctoral handbook and materials.

Jan '08 to June '09 Instructor/Supervisor, Long Island University, Brooklyn Campus
Field supervisor with BS/MS internship program for in-service Teaching Fellows, facilitates weekly seminars, and responds to student reflections on classroom experiences, conducts additional workshop per semester.

Sept '06 to June '08 Instructor, Inclusive Elementary Program, Teachers College, Columbia University
Instructor for a master's level course on Social Studies Methods for elementary pre-service teachers exploring concepts of American history as relevant to self as teacher. Provided ideas for classroom practice and critically examined issues of race, culture, history, media, and the arts.

Sept '05 to June '08 Supervisor, Elementary Program, Teachers College, Columbia University
Field supervisor for pre-service master's students in practicum stage of teacher education program. Provided curriculum and pedagogical guidance and support as well as feedback and evaluation of student teaching practices. Facilitated weekly seminars focused on student teaching and current issues.

Education

Institution	Degree	Year(s)	Discipline
Teachers College, Columbia University	EdD	2009	Curriculum and Teaching, Urban Education
Teachers College, Columbia University	MEd	2007	Curriculum and Teaching
University of California, Los Angeles	MEd	2002	Elementary Education
University of California, Berkeley	BA	1999	Environmental Sciences, Plant Biology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
July 2014-May 2015	PSC-CUNY 45 Research Award	\$5,857.00	City University of New York
September 2014-2015	CIRG #2113	\$19,603.00	City University of New York
July 2013-May 2014	PSC-CUNY 44 Research Award	\$5,900.00	City University of New York

Feb 2013- May 2013	Undergraduate Research Fellowship	\$1,750.00	Hunter College
Sept 2006-Sept 2007	Dean's Grant for Doctoral Research	\$2,000.00	Teachers College, Columbia University
Oct 2007	Betty Fairfax Professional Development	\$500.00	Teachers College, Columbia University
Sept 2007-Sept 2008	President's Grant for Community and Diversity	\$2,000.00	Teachers College, Columbia University
Apr 2010-March 2011	Faculty Innovations in Teaching with Technology (FITT)	\$2,000.00	Hunter College
Apr 2011- March 2012	PSC-CUNY 41 Research Award	\$4,000.00	City University of New York
Apr 2011	William Stewart Travel Award	\$400.00	Hunter College
Jan 2012- Nov 2012	President's Fund for Faculty Advancement	\$1,380.00	Hunter College

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY_Traditional_B_Grant_Descri	148051	12/15/2013 11:02:19 PM
Supplementary Material	Supplementary_A_and_B-_References_a	63349	12/15/2013 11:07:29 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel			

		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
<p>Research Supplies</p> <p>I intend to hold two focus group events. The first focus group will be held at John Jay College with the 10 research participants and four in-service history teachers. The second will be held at Hunter College with the 10 research participants and four currently enrolled students in the Hunter College Adolescent Social Studies Education Program, of which I am faculty and program coordinator. I intend to provide refreshments at these meetings. At each meeting, I wish to cover the cost of food for 15 people at \$10/each plus name tags and handouts = \$200/event with a total cost of \$400.</p>		400.00 0.00	400.00
<p>Subject Payments</p> <p>I wish to pay Latina/o undergraduate history major participants a fee of \$20 for one-hour of semi-structured interview time. There will be 10 participants for a total cost of \$200. Additionally, I wish to pay the four in-service teacher participants (focus group one) and the four currently enrolled Hunter College students (focus group two) a fee of \$30 each for two hours of focus group time. Subject payments for focus group participants total \$240. In all, subject payments costs are budgeted as \$440.</p>		440.00 0.00	440.00
<p>Research Staff</p> <p>I wish to hire a research assistant to complete transcriptions of all interview audio files. For each transcription, research assistant will be paid \$50 per 1-hour interview file which totals \$500. Research assistant will also be paid to transcribe two 2-hour focus group audio files at \$100 each will amounts to an additional \$200. In total, I intend to pay the research assistant \$700 plus fringe costs.</p>	Fringe Benefit Expense MTA Payroll Tax	700.00 68.88	768.88
<p>Released Time</p> <p>This Spring semester will be used to seek participants for focus groups, organize focus group meetings with refreshments and location scouting, analyze observational notes and transcriptions, as well as complete</p>	Fringe Benefit	3000.00 1248.00	4248.00

research report, meet with the chairpersons of the History Department at both Hunter College and John Jay, and work towards program development and modifications that support the successful certification of prospective Latina/o history teacher candidates. Intensive examination of data will follow cross-case methods for analysis on all data points. At least one article will be submitted by June 2016. This publication will contribute to a field in which studies on Latina/o matriculation into graduate school is underdeveloped. Research conclusions will be presented at relevant conferences. Release time for Spring 2015 has been approved by the Chair of the Department of Curriculum and Teaching, Dr. Jennifer Tuten.	Expense		
		Total	5856.88

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-48 Rank: Lecturer Tenured: No College: CITY COLLEGE Panel: Education Discipline : Education Co-PI :	Name : Hedberg, James Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PHYSICS

List of Undesirable Reviewers No

Title of Proposed Project: Homebuilt Physics Modules
--

Brief Abstract

This proposal seeks to recruit and train current CUNY Science and Arts students to develop web based science education tools for use locally, within the CUNY system, with the goals of later expanding the program. The immediate benefits of the proposal include the training of highly skilled workers (programming and scientific communication skills), and the creation of a new set of teaching tools homebuilt by the very students that could be using them. Additionally, we can use these tools to establish and record metrics to help guide our instructional methods in the years to come. The long term goal will be to establish a small group of 5-10 students who will continue to work on this project.

Relevant Publications & Scholarship

Experience:

Previously: Team member of the WOW lab at McGill University. We developed a set of teaching tools for science educators in Canada and built a large scale website to deploy these tools.

<http://wowlab-blueprints.mcgill.ca/en/index.php>

The PI has constructed an online physics course for the University of Texas (2005)

The PI is currently developing similar media technologies for his own courses at CCNY.

<http://hedberg.ccny.cuny.edu/>

Education

Institution	Degree	Year(s)	Discipline
St. John's College	BA	2000	Liberal Arts
Portland State University	MS	2005	Physics
McGill University	PhD	2011	Physics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
--------	-------	--------	----------------

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	budget.pdf	71886	12/15/2013 3:20:16 PM
Project Description	proposal.pdf	223374	12/15/2013 3:54:12 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		200.00 0.00	200.00
Research Supplies We request funding for small purchases to aid in the development of these projects.		1500.00 0.00	1500.00
Summer Salary The PI will lead a summer mini-bootcamp in web application coding and science communication for the Research Assistants. The PI will also be work during the summer months with the Research Assistants to develop the materials discussed.	Fringe Benefit Expense	2715.00 784.64	3499.64
Research Staff Funds are requested to pay for two part-time Research Assistants to develop the materials discussed in the proposal. These will be current CUNY students with interests in science, education, and science communication.	Fringe Benefit Expense MTA Payroll Tax	6000.00 590.40	6590.40
		Total	11790.04

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-532 Rank: Assistant Professor Tenured: No College: HOSTOS C.C. Panel: English & Creative Writing Discipline : English Co-PI :	Name : Nguyen, Tram Address : Telephone : Email:
--	---

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department ENGLISH

Title of Proposed Project: The Murmurings of Gertrude Stein and Samuel Beckett in 'The Making of Americans' and 'Watt'
--

Brief Abstract

My research places Beckett's early writing into dialogue with Stein's first work to argue that these writers pursued similar aesthetic goals. Through archival research, I will excavate Beckett's silent debt to Stein. In Stein's 'The Making of Americans' (1903-1909) and Beckett's 'Watt' (1941), Stein and Beckett share not only central themes (attenuated subjectivity, bodily discomfort, object-love), but also an emphasis on combinatorial serials and paratactic language. By pursuing what Beckett calls a "literature of the non-word," both Stein and Beckett achieve a radical aesthetics that revokes the harmonic naturalism of previous literary developments (Beckett 'Letters' 520). My goal is to revitalize scholarship on modernist networks, as well as to breathe new life into Beckett and Stein studies by mapping the coordinates of internal confluence between Beckett and Stein.

Relevant Publications & Scholarship

Refereed Journal Articles:

"Porosities: Aesthetic Convergences between Gertrude Stein and Samuel Beckett," Samuel Beckett Today/Aujourd'hui 25 (Autumn 2013): 47-59.

"From SlutWalks to SuicideGirls: Feminist Resistance in the Third Wave and Postfeminist Eras," Women's Studies Quarterly 41.3-4 (Winter 2013): 155-170.

"Traveling Sovereignty: Counter-Crossing Bolaño with Derrida," The Comparatist 36 (2012): 25-43.

"Hostaged to the Voice of the Other: Beckett's Play and Not I," Miranda 4 (2011).
 Samuel Beckett : Drama as philosophical endgame? / L'épreuve du théâtre dans l'oeuvre de Samuel Beckett : fin de partie philosophique? Université de Toulouse – le Mirail.

Book Review:

Susan Holbrook and Thomas Dilworth, Eds. The Letters of Gertrude Stein and Virgil Thomson: Composition as Conversation, in Modern Drama 54.2 (2011): 252-55.

Seminar Paper:

November 6-9: "Cook Books as Memoirs," Lives of the Obscure Seminar, Modernist Studies Association, Pittsburgh, USA.

Conference Presentations:

November 6-9: "Mythopoetic Revision after H. D.," Modernist Studies Association, Pittsburgh, USA.

June 26-28, 2014: "Feminist Continuities: H. D.'s Helen of Egypt and Wertenbaker's The Love of the Nightingale," Modernism Now! BAMS 2014, London, England.

Education

Institution	Degree	Year(s)	Discipline
University of Alberta	PhD	2008	English
Wilfrid Laurier University	MA	2000	English
McGill University	BA	1999	English

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Jan. 2014-Apr. 2014	Transnational Cartographies of Dissidence	\$3,000.00	CUNY Office of Recruitment and Diversity
Jul. 2013-Jun. 2014	The Aesthetic Murmurings of Gertrude Stein and Samuel Beckett	\$3,400.00	PSC-CUNY Research Foundation
Jul. - Dec. 2012	Research Consultant	\$3,000.00	American Univ. in Dubai

Attachments

Description	File Name	File Size	Date Attached
Project Description	Nguyen_PD_FINAL.pdf	144469	12/17/2013 1:07:19 PM

Budgets

Description			Requested Amount
Research Staff			

	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Domestic Travel The success of my research project depends on access to archival materials. Beckett's 'Watt' manuscript at the Ransom Center is a rich source of the author's creative process, and close examination of the manuscript will yield clearer understanding of the finished work. I will spend a week in Austin, Texas at the Ransom Center archives to study and interpret this manuscript and its implications. In addition, review of the Stein collection at the Beinecke Library in New Haven, Connecticut		1400.00 0.00	1400.00

will enable important contextualizations of her aesthetics in relation to Beckett and other modernists. Four day-trips to the Beinecke will allow for this review. Expenses: New Haven, Connecticut Train Tickets (4 Day-trips): \$200 Food (4 Days) : \$100 Sub-Total : \$300 Austin, Texas Airfare (1 Week, Return) : \$300 Food (7 Days) : \$300 Hotel (6 nights) : \$500 Sub-Total : \$1100 Total Travel Expenses : \$1400			
<p>Summer Salary (Principal Investigator)</p> <p>As a junior faculty member with a 27-credit hour workload, summer is the only time for conducting research and expanding scholarship, a critical aspect for achieving tenure. Funds requested for summer salary (\$1,600) will allow me to devote the summer months exclusively to my research, and not have to teach additional courses for compensation. This time will be used to travel to the archives, begin data collection and review other primary sources.</p>	Fringe Benefit Expense	1600.00 462.40	2062.40
		Total	3462.40

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-644	Name : Elliott Hood, Kristin
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: BOROUGH OF MANHATTAN C. C.	Email:
Panel: English & Creative Writing	
Discipline : Creative Writing	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials Yes (attached to application, 2MB limit)
List of Supplementary Material writing sample
Will Interviews be Conducted? No
Department ETHNIC STUDIES

Title of Proposed Project:

The Return: Conjuring Afro-Urban Magic in New York City and Dakar

Brief Abstract

This research project will contribute to the completion of a work of fantasy, The Return. This young adult novel (last installment in my “freaks & geeks” trilogy) begins where The Deep concluded. Two years have passed but Hakeem Diallo is still grieving for his girlfriend Nyla. Unable to play basketball due to an injury, Keem agrees to spend the summer in Dakar, Senegal with his paternal grandmother. He considers building a future for himself in Africa but Keem’s ties to New York are not so easily erased. Although Keem saw Nyla fall to her death in the deep, she resurfaces in Dakar with astonishing powers and a fierce determination to stop The League from destabilizing the earth’s energy balance. Nyla asks Keem to join her on this perilous mission, but love isn’t enough to convince Keem that Nyla can be trusted to act in anyone’s interest but her own.

Relevant Publications & Scholarship

PUBLICATIONS

Fiction:

The Deep, a young adult novel published by Rosetta Press (November 2013).

“Sweet Sixteen,” a short story published in the Perseus anthology Cornered: 14 Stories of Bullying and Defiance (July 2012).

Ship of Souls, a young adult novel published by AmazonEncore in February 2012.

A Wish After Midnight, a young adult novel published by AmazonEncore in February 2010.

Bird, a picture book published by Lee & Low Books in October 2008.

Plastique, a novella excerpted in T Dot Griots: an Anthology of Toronto's Black Storytellers (Trafford Publishing, 2004).

Poetry:

"Dancing with Anger," and "What if We'd Had a Bullet" published in the Cave Canem anthology, The Ringing Ear: Black Poets Lean South (University of Georgia Press, Spring 2007).

"Wish," and "Strange Bird" published in Check the Rhyme: an Anthology of Female Poets and Emcees (Lit Noire Publishing, Summer 2006).

"Played Out," Coloring Book: an Eclectic Anthology of Fiction and Poetry by Multicultural Writers (Rattlecat Press, 2003).

Essays/Articles:

"'All Land Is One Land Under the Sea': Mapping Memory in Canada and the Caribbean," accepted for publication in Caribbean Quarterly (Spring 2014).

"The Trouble with Magic: Conjuring the Past in New York City Parks," accepted for publication in Jeunesse: Young People, Texts, Cultures (Fall 2013).

"Blackout in the Great White North: Responding to Racism & Erasure in the Canadian Children's Publishing Industry," published in Sankofa: a Journal of African Children's and Young Adult Literature (Volume 12, 2013).

"Canada's Black Writers: Achieving Excellence and Avoiding Annihilation," republished in the online edition of Sway Magazine (2/21/12).

"Navigating the Great White North: Representing Blackness in Canadian Young Adult Literature," published in the June 2011 issue of The Centennial Reader.

"Unpacking the Past," published in the Winter 2011 issue of Hunger Mountain.

"A Storied Past," published in the February 2011 issue of School Library Journal.

"'If Rigor Is Our Dream': The Re-Membering of Violence by Black Women Writers of the Harlem Renaissance" published in the anthology, Imagining the Black Female Body, edited by Dr. Carol Henderson Belton (Palgrave, December 2010).

"Decolonizing the Imagination," published in the March/April 2010 issue of Horn Book Magazine.

"Telling Secrets in the City: Narrative Possibility and the Urban Environment" published in Deep into Nature: Ecology, Environment and Children's Literature edited by Jennifer Harding, Elizabeth Thiel, and Alison Waller (Pied Piper Publishing, UK; Fall 2009).

"Writing the Black (W)hole: Facing the Feminist Void," published in the January 2006

issue of thirdspace.

"Writing the Unspoken, Framing the Unseen: Witnessing the Past in Contemporary Novels of Slavery," WarpLand: a Journal of Black Literature and Ideas, Vol. 12, No. 1, 2005.

"A Stranger in the Family," Black Arts Quarterly, a publication of Stanford University's Committee on Black Performing Arts, Winter 2005.

"'Branded, banded, cut off': Black Women Writers Confronting Terror & Trauma," Black Arts Quarterly, Spring 2004.

Web articles:

"Black Girls Hunger for Heroes, Too: a Black Feminist Response to Fantasy Fiction for Teens," Bitch Magazine (12/16/13).

"Plunging into the Deep: Black Magic for Black Girls," The Huffington Post (11/25/13).

"Trayvon—killed by an idea," The Huffington Post (5/2/12).

"Canada's Black Writers: Achieving Excellence and Avoiding Annihilation," Canadian Federation for the Humanities and Social Sciences/FEDCAN blog (2/2/12).

"Writing Children's Books While Black and Feminist: a Conversation with Jacqueline Woodson," Ms. Magazine (7/29/11).

"The Real Value of Free Books," Behind the Book (7/25/11).

"Reflecting Reality," Diversity In Publishing Network (6/7/11).

"sister/outsider," Women Doing Literary Things (3/22/11).

"Diversity in YA Lit," The Book Smugglers (7/31/10).

"Giving Up the Myth of Meritocracy," The Rejectionist (5/3/10).

"Tackling Terrorism in Teen Lit," The Huffington Post (3/10/10).

"Demanding Diversity in Publishing," The Huffington Post (2/26/10).

"Breaking Down Doors: My Self-Publishing Story," The Huffington Post (2/23/10).

"Something Like an Open Letter to the Children's Publishing Industry," Fledgling (9/5/09).

Education

Institution	Degree	Year(s)	Discipline
NYU	MA/PhD	2003	American Studies

Bishop's University	BA	1993	Humanities
---------------------	----	------	------------

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2013-2014	PSC-CUNY Research Award	\$3,500.00	PSC-CUNY
2012-2013	Faculty Development Grant	\$3,000.00	BMCC
2012-2014	Grant to Professional Writers	\$8,000.00	Canada Council for the Arts

Attachments

Description	File Name	File Size	Date Attached
Project Description	KristinElliottHoodPD.pdf	350970	12/14/2013 7:33:09 PM
Supplementary Material	KristinElliottHoodwritingsample.pdf	243167	12/14/2013 7:34:48 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00

Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel In order to complete research for the novel, I will need to visit Dakar, Senegal where I will visit Goree Island and connect with nonprofits working to end female genital cutting. My budget will cover airfare and other transit expenses (ferry, taxis) as well as food and accommodation.		3500.00 0.00	3500.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-79	Name : Kamble, Jayashree
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: LAGUARDIA C.C	Email:
Panel: English & Creative Writing	
Discipline : English	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department ENGLISH

Title of Proposed Project:

The Real (Love) Story: Narrating the Growth of Popular Romance Fiction through the University of Reading's Mills and Boon Special Collection

Brief Abstract

Many associate the phrase "romance fiction" with Harlequin novels rather than the British publisher Mills and Boon (who created the genre), largely due the latter's longstanding refusal to allow researchers access to its archives. In early 2013, however, the archive finally became available. I will visit it in summer 2014 to review materials from the publisher's century-old history (including its takeover by Harlequin). My goal is to recover a missing piece of pop culture publishing, whose absence has led to the genre being labeled formulaic without much attention to historical processes or materialist methodology.

I will publish my findings as part of an essay on the trans-Atlantic evolution of romance novel covers. It will chart how Mills and Boon's novel-packaging made it a successful brand but at the cost of erasing all signs of uniqueness and creativity.

The project is part of a larger one about romance and material culture, specifically, the powerful effect of the global marketplace on love narratives that are otherwise rooted in specific regions, religions, and cultures.

Relevant Publications & Scholarship

PRINT PUBLICATIONS:

"What's Love Got to Do With Romance Novels?" Oklahoma Humanities Council Magazine. Forthcoming February 2015.

"Branding a Genre: A Brief Trans-Atlantic History of Romance Novel Cover Art." Essay in the collection Romance Fiction and American Culture, edited by William Gleason and Eric Selinger, forthcoming from Ashgate Publishing in 2015.

"Making Meaning in Popular Romance Fiction: An Epistemology" (Monograph from Palgrave, 2014).

"How to Tame a Dragon: Ten Years After A Natural History of the Romance Novel." *Journal of Popular Romance Studies*, 3.2: 2013.

"The Globalized Avatar of the Hindi Cinema Hero: Hrithik Roshan's 'Double Role' in *Kaho Naa...Pyaar Hai* (2000)." *Film International* 10.4-5. Nov. 2012.

"Tempted by the Big Apple: The Fantasy of Western Spaces in *Kabhi Alvida Naa Kehna*." *Studies in South Asian Film and Media* 3.1. March 2012.

"Patriotism, Passion, and PTSD: The Critique of War in Popular Romance Novels" in *New Approaches to Popular Romance Fiction*. Ed. Sarah Frantz and Eric Selinger. Jefferson, NC: McFarland, 2012.

"Female Enfranchisement and the Popular Romance: An Indian Perspective" in *Empowerment Versus Oppression: 21st Century Views of Popular Romance Novels*. Ed. Sally Goade. London: Cambridge Scholars Publishing, 2007.

ACADEMIC WEB PUBLICATIONS:

"Bond in Love," The Popular Romance Project.
<http://popularromanceproject.org/talking-about-romance/5327/> 3 Sept. 2013. Web.

"Beast in Men's Clothing," The Popular Romance Project.
<http://popularromanceproject.org/talking-about-romance/3372/> 11 Oct. 2012. Web.

"Loving Pygmalion?" The Popular Romance Project.
<http://popularromanceproject.org/category/talking-about-romance/page/2/> 11 Jun. 2012. Web.

"Myth and Poetry in *Harlequin Mills and Boon*," The Popular Romance Project.
<http://popularromanceproject.org/category/talking-about-romance/> 15 Mar. 2012. Web.

PUBLICATIONS UNDER REVIEW:

"All Work or All Play: Indian Consumerism, Leisure, and Ethics Under Globalization in *Zindagi Na Milegi Dobara*" at *South Asian Popular Culture*.

SELECT CONFERENCE PRESENTATIONS:

"Studying (the) Romance (Novels): Negotiating the Journey from Doctoral Research to Book Publication," International Association for the Study of Popular Romance (IASPR) Conference at Aristotle University, Thessaloniki, Greece (2014).

"A Portrait of the Heroine as High-Maintenance: The Triumphant Cheerleader in Linda Howard's *To Die For*," Annual Popular Culture and American Culture Association (PCA/ACA) Conference, Chicago (2014).

"From Barbarized to Disneyfied: Viewing the Gentrification of New York City Through Eve Dallas, J.D. Robb's *Futuristic Homicide Detective*." Annual American

Comparative Literature Association (ACLA) Conference, New York University, New York (2014).

"Defiance and Definition: Constructing Authorship in Lisa Kleypas's *Dreaming of You*," at the Popular Romance Author Symposium, Princeton University (2013).

"Better to be a Weapon than a Woman: Reconciling False Binaries in Karen Marie Moning's *Fever* series." Annual PCA/ACA Conference, Washington D.C. (2013).

"A Natural History of the Romance Novel Tenth Anniversary Roundtable: Pamela Regis and the Rebooting of Popular Romance Studies." Annual PCA/ACA Conference, Washington D.C. (2013).

Invited speaker at the Vampire/Romance Joint Roundtable. Annual PCA/ACA Conference, Washington D.C. (2013).

"All Work or All Play: Ethical Reformulations on the Road in *Zindagi Na Milegi Dobara*." Annual Conference of the Modern Language Association, Boston (2013).

"Romantic Fantasies: How the Media Constructs Its Own Romance Novel." Romance Scholarship Publication Workshop, McDaniel College, Westminster, Maryland (2012).

"New Editions and Television Movies: A Methodology for Decoding the Romance Genome." Annual PCA/ACA Conference, Boston (2012).

"Mermaid or Halibut: Crises of Political Identity in Joanna Bourne's Historical Romance Novels." Annual ACLA Conference, Brown University (2012).

"Romancing the Canon: Teaching 'Literary' Texts with Romance," McDaniel College's Popular Romance in the New Millennium Conference, Westminster, Maryland (2011).

"Love and Temptation in the Big Apple: Bollywood Romance Goes West in *Kabhi Alvida Naa Kehna* (Never Say Goodbye)," Annual Conference of the IASPR, New York University, New York (2011).

" 'I Don't Know What That Means': Temperance Brennan as Uncomprehending Romance Heroine in TV's *Bones*." Annual PCA/ACA Conference, San Antonio (2011).

"Love and the 'Double Role' ": Uncanny Resemblance and Romance in Hrithik Roshan's *Kaho Naa...Pyaar Hai*." Annual ACLA Conference, Vancouver (2011).

"Found in Translation: Hindi Cinema's Take on Romance in English Language Film," Annual PCA/ACA Conference, St. Louis (2010).

"Complicating the Capitalist: Money and Marriage in the Contemporary Novels of Judith McNaught," Annual PCA/ACA Conference, New Orleans (2009).

"The Romance Carnival: Sexual and Racial Diversity in Paranormal Romance Novels," Annual ACLA Conference, Harvard University (2009).

"Rape as Memory: Re-examining Sexual Violence in Popular Romance Fiction,"

Annual PCA/ACA Conference, San Francisco (2008).

MEDIA PRESENTATIONS:

Interview "Enjoying the Paranormal" at the NEH-sponsored Popular Romance Project site, March 18, 2014. (<http://popularromanceproject.org/enjoying-paranormal/>)

Interview "One More Glass Ceiling" at the NEH-sponsored Popular Romance Project site, March 25, 2014. (<http://popularromanceproject.org/one-glass-ceiling/>)

Interview "Romance in Indian Cinema" at the NEH-sponsored Popular Romance Project site, May 28, 2014. (<http://popularromanceproject.org/romance-in-indian-cinema/>)

Interview on global romance readership. "Bad Economy is Good for Romance Novels." The World. Interviewer Jason Margolis. Public Radio International, November 26 2009. (<http://www.pri.org/node/10557/popout>)

RELATED PROFESSIONAL EXPERIENCE

Vice-President, 2013-, International Association for the Study of Popular Romance.

Peer Reviewer, 2009-Present. Journal of Popular Romance Studies

Education

Institution	Degree	Year(s)	Discipline
University of Minnesota	Ph.D.	2008	English
Univerisy of Pune	M.A.	2000	English
University of Pune	B.A.	1998	English

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014-2015	PSC-CUNY Trad B	\$5,999.00	Research Foundation of CUNY
2014	CUNY Faculty Fellowship Publication Program	\$4,248.00	CUNY Office of the Dean for Recruitment and Diversity
2014	William Stewart Travel Award	\$500.00	CUNY Academy for the Humanities and Sciences
2014	Marshall Fishwick Travel Grant	\$750.00	Popular Culture and American Culture Association
	RWA Scholarly Research Grant	\$3,500.00	Romance Writers of America

2013-2014			
-----------	--	--	--

Attachments

Description	File Name	File Size	Date Attached
Project Description	Kamble_PSC_CUNY_2014_Project_descri	138474	12/10/2013 12:40:30 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments			

		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
<p>Foreign Travel</p> <p>I will visit the archive at the University of Reading in the U.K. from July 2 to July 15. The two weeks are the minimum necessary to wade through a century's worth of material that no one has really examined for scholarly research. \$ 910-lodging (\$65/night for 14 nights)* \$ 840-Meals and incidentals (including copying costs at the archive and local transportation) (\$60/day for 14 days) Per diem (including lodging, meals, and incidentals) comes to \$125 (far below the State Department's listed maximum per diem for Reading, which is \$371: lodging \$231 and Meals and Incidentals \$140).) *I have also applied for the Popular Culture Association's Fishwick Award (\$750), which supports research trips to popular culture collections, because I will need more funds (either for the airfare or the lodging as July is the height of tourist season).</p>		1750.00 0.00	1750.00
<p>Released Time</p> <p>I will submit a draft of my essay (with the data from my summer research at the archive) to the editors of the anthology in which my essay will be published in December 2014. They will provide feedback over the break, and I will revise the essay accordingly over LaGuardia's Fall II term if I have the release time. This will ensure that I will meet my editors' spring 2015 deadline so that Ashgate publishing will have the book published in 2015. (Ashgate requires 8 months to get the print copy out.)</p>	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	5998.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-447 Rank: Associate Professor Tenured: Yes College: KINGSBOROUGH C.C Panel: English & Creative Writing Discipline : English Co-PI :	Name : Wood, Eben Address : Telephone : Email:
---	---

Human Subject Use No
 Animal Subject Use No
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? Yes
 Department ENGLISH

Title of Proposed Project: The Umbra Workshop: A Documentary History
--

Brief Abstract

With PSC-CUNY RF support, I've previously examined the history and practices of the Umbra Workshop, a vanguard collective of Black writers, artists, and musicians that met regularly on New York's Lower East Side between 1961 and 1964. Acclaimed documentaries such as Sandra Dickson and Churchill Williams' *Negroes With Guns: Rob Williams and Black Power* (2004) or Göran Olsson's *The Black Power Mixtape, 1967-1975* (2011) have highlighted innovative ways in which film can make history accessible to mainstream audiences while asking still-critical historical questions. Umbra served as a unique link between the emerging Black aesthetic of the post-WWII period and those diverse, contemporary, and global practices grouped under the rubric of Afrofuturism. This grant would support further work to identify and evaluate pertinent visual, audio, and other documentary materials, in turn allowing me to produce, in cooperation with living Umbra members, a documentary script for which we might seek production support.

Relevant Publications & Scholarship

"Capital of Willows." *The American Scholar* (forthcoming, spring 2015).

 "Tom Dent's Second Line." *Callaloo* (forthcoming; resulted from PSC-CUNY funding).

 "Marker's Parallax." *Photography and Cinema: after Chris Marker's La Jetée*. Ed. Margarida Madeiros. Newcastle: Cambridge Scholars Press, 2014).

 "They Burned the Woods and Sold the Ashes." *The Indiana Review* (forthcoming).

 "Grimonprez's Remix." In *Terrorism, Media, and the Ethics of Fiction: Transatlantic Perspectives on Don DeLillo*. Ed. Peter Schneck and Philipp Schweighauser. New

York: Continuum (2010). Reprinted in "It's a Poor Sort of Memory That Only Works Backwards": On the Work of Johan Grimonprez. Ed. Benoit Detalle. Ostfildern: Hatje Kantz Verlag, 2011.

"The Private Lives of Systems: Rukeyser, Hayden, Middle Passage." Modernism/Modernity 17.1 (2010). (Resulted from PSC-CUNY funding).

"They Don't Sleep Anymore on the Beach" (creative non-fiction). Variations 17 (Winter 2008).

"The Falcon of Buenos Aires" (creative non-fiction). Variations 16 (Winter 2007).

"The Masturah Well" (fiction). Black Warrior Review (Spring 2007).

"The River Come Down" (fiction). Boston Review (Summer 2003).

"Review of Rose Zimbardo's At Zero Point: Discourse, Culture, and Satire in Restoration England (Lexington: University Press of Kentucky, 1998)." 1650-1850: Ideas, Aesthetics, and Inquiries in the Early Modern Era VI (2001).

"Ruskin Variation" and "Proper Meaning Superstition" (poems). FENCE Vol. 3 #2 (Fall/Winter 2000-2001).

Education

Institution	Degree	Year(s)	Discipline
University of Michigan, Ann Arbor	MFA	1993	Creative Writing (Poetry)
University of Michigan, Ann Arbor	PhD.	2004	English

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2009-10	New York Foundation for the Arts Artist Fellowship (Non-fiction Literature)	\$7,000.00	New York Foundation for the Arts
2008-2009	PSC-CUNY Grant	\$3,990.00	Professional Staff Congress, CUNY
2007-08	PSC-CUNY Grant	\$3,990.00	Professional Staff Congress, CUNY
2005-06	PSC-CUNY Grant	\$3,990.00	Professional Staff Congress, CUNY
2004-05	PSC-CUNY Out-of-Cycle Grant	\$4,240.00	Professional Staff Congress, CUNY
Summer-Fall 2000	Dissertation Candidacy (Research) Award	\$6,000.00	Mellon Foundation
2001-2002	Graduate Fellowship, Interdisciplinary Research	\$25,000.00	Institute for the Humanities, University of Michigan, Ann Arbor
Summer 2002	Van Akin and Julia Burd Fund for Research in English	\$1,500.00	Program in English Lang. and Lit., University of Michigan, Ann Arbor

Attachments

Description	File Name	File Size	Date Attached
Project Description	Wood_PSC-CUNY_45_Project_Descriptio	132279	12/15/2013 11:22:52 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00

Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Domestic Travel This item reflects an estimate for roundtrip air travel from New York to New Orleans, and support for a one-week stay. The purpose of this travel is outlined in my Project Description; a previous PSC-CUNY Grant allowed me to make a first visit to view the papers of Thomas C. Dent, housed at the Amistad Research Center, Tulane University. At the time of that visit (Winter 2006), much of the Center was still closed due to damage from Hurricane Katrina; additionally, Dent's papers were, at that time, not fully catalogued by Amistad archivists. That catalogue work has now been completed; as my Project Description states, Dent's papers include extensive visual and audio material, as does the related archive of the Free Southern Theater, also at the Amistad Center, with which Dent was involved as a director.		1200.00 0.00	1200.00
Released Time This application reflects work that would be ongoing during my regular teaching schedule (see Project Description); I will be requesting a release from one three-credit course during the fall term of the 2014-14 academic year, covered by this grant application.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	5448.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-44	Name : Kisery, Andras
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: CITY COLLEGE	Email:
Panel: English & Creative Writing	
Discipline : English	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department ENGLISH
List of Undesirable Reviewers No

Title of Proposed Project:

Books, cultural space, and the formation of English literature in the early modern world

Brief Abstract

My project, which I hope to develop into my second monograph, explores how the infrastructure and conceptual framework of English literature was shaped by the locations, boundaries and distances of its production and circulation in the early modern period, and more specifically, in the period between 1590-1800. My project builds on recent work on the history of the institution and concept of literature, which it seeks to revisit with the help of research in the history of the book trade, in the study of cultural geographies, and most importantly, on what has been termed as “the spatial turn” in early modern studies.

I am requesting support for the initial research necessary for this project, and for a series of collaborative research seminars organized around its main themes at CCNY involving scholars both from within and from outside CUNY.

Relevant Publications & Scholarship

Books:

Hamlet's moment: English Renaissance drama and the socialization of political competence. Monograph. Forthcoming, Oxford University Press.

Hungarian literature and its intercultural contexts: translation, cultural memory, comparative scholarship (provisional title); edited and introduced by András Kiséry, Zsolt Komáromy (Eötvös University, Budapest), Zsuzsanna Varga (University of Edinburgh) edited collection, forthcoming, Fairleigh Dickinson University Press.

David Scott Kastan: Shakespeare és a könyv [Hungarian translation of Shakespeare and the book] translated by András Kiséry
Budapest: Gondolat Könyvkiadó, 2014.

Allison Deutermann and András Kiséry
Manchester: Manchester University Press, 2013.

Articles and book chapters:

“Towards a more precipitate absoluteness’: Woodstock, 2 Henry VI, and the demise of the monarchical republic on the London stage of the early 1590s” – with Peter Lake; 27000-word essay under revision

“Hero and Leander and the posthumous shaping of Marlowe’s poetic career” – essay solicited for the collection *Booking Marlowe*, edited by Roslyn Knutson and Kirk Melnikoff, book proposal under review by Cambridge University Press; essay in progress, projected completion of manuscript: October 1, 2015.

“Public relations: the circulation of literary and diplomatic knowledge around 1600” – essay solicited for *Cultures of Diplomacy and Literary Writing in the Early Modern World: New Approaches*, a collection edited by Tracey Sowerby and Jo Craigwood; manuscript due to editors: June 15, 2015

“Hajnal és Thienemann láthatatlan kollégiuma: német szociológia és a kommunikáció egyetemi kutatása Magyarországon 1930 körül” [The Invisible College of István Hajnal and Theodor Thienemann: German sociology and the academic study of communication history around 1930; in Hungarian] – 25000-word / 75-page essay forthcoming in the collection *Identitások és váltások*, edited by Katalin Neumer, Budapest, 2015.

“The Matter of Form” – 13000 word essay, with Allison Deutermann, submitted for the collection *The Book in History, the Book as History*, edited by Heidi Brayman, Jesse Lander and Zachary Lesser for the University of Pennsylvania Press (forthcoming in 2015)

“Scandal” 5000-word chapter for *The Cambridge Guide to the Worlds of Shakespeare*, Vol. I: *Shakespeare’s World*, ed. Bruce Smith. Cambridge University Press, Cambridge (forthcoming)

“‘I lack advancement’: public rhetoric, private prudence, and the political agent in Hamlet, 1561-1609” 14000-word article forthcoming in *English Literary History* 81.1 (2014)

“An author and a bookshop: publishing Marlowe’s remains at the Black Bear” *Philological Quarterly* 91.3 (2012) 361-392.

“Az irodalom részletei: a historizmus néhány újabb változata az amerikai reneszánszkutatásban” in: *Ki merre tart? Shakespeare Szegeden 2007-2011*, ed. Attila Atilla Kiss and Ágnes Matuska. Szeged: JATE Press, 2013, pp. 15-28.

“Literacy, culture and history in the work of Thienemann and Hajnal” in: *Comparative Hungarian Cultural Studies*. Ed. Steven Tötösy de Zepetnek and Louise O. Vasvári. West Lafayette: Purdue UP, 2011, pp. 34-46.

“Of maximal interest: playreading and policy in early-17th c. England” in: *Építész a kőfejtőben / Architect in the Quarry: Tanulmányok Dávidházi Péter hatvanadik születésnapjára / Studies Presented to Péter Dávidházi On His Sixtieth Birthday*, edited by Sándor Hites and Zsuzsa Török. Budapest: rec.iti, 2010, pp. 89-105.

Reviews:

Joad Raymond (ed), *The Oxford History of Popular Print Culture*, Vol 1: Cheap Print to 1660, in: *Renaissance Quarterly* 65:1 (Spring 2012) pp. 281-282.

Carole Levin and John Watkins, *Shakespeare's Foreign Worlds*, in: *Journal of British Studies* 50/1, Jan. 2011

Margaret Healy and Thomas Healy, eds. *Renaissance transformations: the making of English writing (1500-1650)*, in: *Renaissance Quarterly* 63:4 (Winter 2010) pp. 1431-1433.

Selected conference papers and invited lectures:

Political knowledge in early modern England: counsel in Hamlet
ACLA, Seattle WA, March 26-29, 2015

From politics to trauma: Hamlet and Hungarian poetry
MLA, Vancouver, Canada, 9 January 2015

Political drama, political knowledge, and cultural capital in early modern England
Yale Early Modern Colloquium, December 4, 2014.

Some travelers return: relazioni and the world of Hamlet
Diplomacy and Culture in the Early Modern World, The Oxford Research Centre in the Humanities, Oxford, UK, 31 July to 2 August, 2014

The soul of wit: 17th c. uses of Shakespearean plays
Seminar on "Shakespeare without print" SAA, St. Louis, MO, April 10-12, 2014

The wiser sort: sententious political instruction and Gabriel Harvey's reading of Hamlet.
Paper presented to the Rutgers Seminar in the History of the Book / Media Studies, and the English Department's Medieval and Renaissance Colloquium, December 7, 2013

Politics, wit and the usefulness of Shakespeare's drama
Conference of the European Shakespeare Research Association, Montpellier, France, June 2013

Staging Policy.
Panel on "Multum in Parvo: Small Forms in Renaissance Literature", RSA, April 2013

A wisdom of sorts.
Paper for the seminar on "Shakespeare and / in manuscript" SAA, Toronto, March 28-30, 2013

Marlowe's authorship and the literary marketplace. Paper invited to the conference on Literature and the history of the book, Columbia University, April 27, 2012

Hamlet's travels. Public lecture, New York Public Library, April 26, 2012

A bookseller and a ghost in Paul's Churchyard: making Marlowe's oeuvre. Paper for the session on Publishing the early modern author, RSA, Washington D.C., April 2012.

Renaissance drama and diplomacy: the case of Hamlet. Columbia Shakespeare Seminar, October 14, 2011.

Renaissance drama and diplomacy. Bergen Shakespeare Network conference, Cork,

Ireland, October 6-8, 2011.

Diplomatic writing and Renaissance drama: the case of Shakespeare's Hamlet.
Intertextuality, Audiences, and Memory Seminar, SAA , Bellevue WA, April 7, 2011.

Marston's Points and the Point of Satiric Writing
Rethinking early modern print culture conference, Centre for Reformation and Renaissance Studies, Victoria University of the University of Toronto, October 22, 2010.

The publics of the public stage. Seminar co-organized with Peter Lake, SAA, Chicago, April 1-3, 2010

The politics of Hamlet: histories of reading
Invited lecture, Pittsburgh MedRen Colloquium, Carnegie Mellon University, March 15, 2010.

The politics of Hamlet: histories of reading. Invited lecture, Vanderbilt University, Department of History, Nashville, February 19, 2010.

Politics from the margins: maxims and satire in John Marston's plays. "Reading for the sentence" panel, MLA, Philadelphia, 29 December 2009.

The end of the monarchical republic: the history play and the "second reign" of QE1 (with Peter Lake) paper invited to the conference Representing politics on the Shakespearean stage, Huntington Library, San Marino, 25-26 September, 2009.

George Chapman's 1611 public. Vanderbilt University's Group for Early Modern Cultural Studies, May 1, 2009.

Politic readers of Hamlet in early 17th century England
paper invited to the seminar on "Hamlet and politics," organized by Conal Condren and Shannon Stimson, SAA, Washington D.C., April 9-11, 2009.

Education

Institution	Degree	Year(s)	Discipline
Eotvos University, Budapest	BA and MA	1995	English, History, Art history
Columbia University	MPhil	2004	English and Comparative Literature
Columbia University	PhD	2008	English and Comparative Literature

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014	Short-term fellowship	\$6,000.00	Huntington Library
2013-2015	The Andrew W. Mellon Fellowship of Scholars in Critical Bibliography	\$45,000.00	Mellon
2012-2013	Drama and political polemics: England and France, 1570-1610	\$4,431.00	PSC-CUNY TRAD B

2012	3-month research fellowship	\$7,500.00	Folger Institute
2011-2012	Renaissance drama and diplomacy: the case of Shakespeare's Hamlet	\$4,429.00	PSC-CUNY TRAD B
2010-2010	Early modern English drama and political culture: archival research in London	\$3,000.00	PSC-CUNY
June 2009	Huntington Library Short-term fellowship	\$3,000.00	Huntington Library

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	KiseryBudgetJustification.docx	17643	12/15/2013 12:59:50 PM
Project Description	PSC_CUNY_enhanced.docx	22702	12/15/2013 12:59:22 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel Airfare and accommodation in London, for archival and library research to be performed at the British Library in June 2015. (See details and full justification in the Budget Justification document.)		3245.00 0.00	3245.00
Domestic Travel Travel and NYC accommodation for three scholars to be brought to CCNY campus for collaborative research seminars, organized with the participation of researchers from other CCNY Departments and other CUNY campuses. (See details in the budget justification document.)		3612.00 0.00	3612.00
Released Time For time to do research during the Spring semester of 2015 (see Budget Justification document).	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	11105.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-416 Rank: Assistant Professor Tenured: No College: QUEENS COLLEGE Panel: Health Sciences, Health & Human Services, Speech & Hearing Discipline : Health Sciences Co-PI :	Name : hung, ya ching Address : Telephone : Email:
---	---

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department FAMILY, NUTRITION, AND EXERCISE

Title of Proposed Project: Effects of overweight and obese body mass on motor planning and motor skills in children

Brief Abstract

Childhood obesity is a growing issue around the world. The global prevalence of childhood overweight for 2010 is already estimated at 46% in Americas and at 38% in the European region. This increase in the prevalence of childhood obesity is alarming because obesity related health risks and psychosocial consequences are not limited to adults. In the long term, obese children are more likely to become obese adults with increased comorbidity and mortality risks. The physical fitness of overweight and obese children has extensively been documented, indicating poor performance on endurance and weight-bearing tasks. However, motor control in overweight and obese children has only been investigated in a limited number of studies. Thus we will evaluate the influences of body mass on gross motor movement planning and control with whole body functional tasks.

Relevant Publications & Scholarship

Research Articles

Hung, YC, Casertano L, Hillman A, Gordon AM (2011). The Effect of Intensive Bimanual Training on Coordination of the Hands in Children with Congenital Hemiplegia. Research in Developmental Disabilities (In Press)

Gordon AM, Hung YC, Brandao M, Ferre CL, Kuo HC, Friel K, Petra E, Chinnan A, Charles, J (2011). Bimanual training and constraint-induced movement therapy in children with hemiplegic cerebral palsy: a randomized trial. Neurorehabil Neural Repair (In Press).

Hung, YC, Charles, J, Gordon, AM (2010) The influence of task constraints in bimanual coordination for children with hemiplegic cerebral palsy Experimental Brain Research 201,421 - 8.(Resulted from PSC-CUNY funding).

Gordon, AM, Chinnan A, Gill S, Petra E, Hung, YC, Charles, J (2008) Both constraint-

induced movement therapy and bimanual training lead to improved performance of upper extremity function in children with hemiplegia. *Developmental Medicine and Child Neurology* 50, 956-60.

Hung, YC, Kaminski, T, Fineman, J, Monroe, J, Gentile, AM (2008) Learning a Multi-joint Throwing Task: a Morphometric Analysis of Skill development. *Experimental Brain Research* 191, 197-208.

Eliasson, AC, Forssberg, H, Hung, YC, Gordon, AM (2006) Development of Hand Function and Precision Grip Control in Individuals with Cerebral Palsy: A 13-Year Follow Up Study. *Pediatrics* 118, e1226-236.

Peer-Reviewed Extended Research Abstracts:

"Intensive bimanual training in children with hemiplegia improves bimanual coordination more than intensive unimanual training," with A Hillman, L. Casertano, and A Gordon, , in American Association of Cerebral Palsy and Developmental Medicine Annual Meeting (Arizona. 2009), *Developmental Medicine and Child Neurology* 51(s5), 6.

"Quantification of movement patterns and stereotypy during bimanual control in children with hemiplegic cerebral palsy," with A Gordon, in American Association of Cerebral Palsy and Developmental Medicine Annual Meeting (Georgia. 2008), *Developmental Medicine and Child Neurology* 50(s4), 48.

"Intensive unimanual and bimanual training in children with hemiplegia yield more frequent use of the involved hand during bimanual tasks measured by accelerometry," with A Chinnan & A Gordon, in American Association of Cerebral Palsy and Developmental Medicine Annual Meeting (Georgia. 2008), *Developmental Medicine and Child Neurology* 50(s4), 15.

Presentations

Oral presentation: "Intensive bimanual training in children with hemiplegia improves bimanual coordination more than intensive unimanual training", American Association of Cerebral Palsy and Developmental Medicine Annual Meeting, Arizona. 2009.

Scientific poster: "Quantification of movement patterns and stereotypy during bimanual control in children with hemiplegic cerebral palsy", American Association of Cerebral Palsy and Developmental Medicine Annual Meeting, Georgia. 2008.

Free paper presentation: "Intensive unimanual and bimanual training in children with hemiplegia yield more frequent use of the involved hand during bimanual tasks measured by accelerometry", American Association of Cerebral Palsy and Developmental Medicine Annual Meeting, Georgia. 2008.

Education

Institution	Degree	Year(s)	Discipline
Teachers College, Columbia University	EdD	2007	Motor learning and Control

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source

2009-2010	Movement control for children with hemiplegic cerebral palsy	\$6,000.00	Research Enhancement Fund
2010-2011	Changes in movement organization during learning a multi-joint kicking task	\$2,000.00	PSC-CUNY
2009-2010	bimanual coordination for children with and without hemiplegic cerebral palsy	\$2,250.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	Project_Description_spc-cuny_45.doc	35840	12/9/2013 2:31:22 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00	0.00

		0.00	
Research Supplies need special tapes and reflective markers to conduct kinematic research.		600.00 0.00	600.00
Subject Payments \$20 per subject x 30 children		600.00 0.00	600.00
Summer Salary (Principal Investigator) data collection will be done in summer when the children are off from regular school work	Fringe Benefit Expense	1000.00 289.00	1289.00
		Total	2489.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-708 Rank: Assistant Professor Tenured: No College: BROOKLYN COLLEGE Panel: Health Sciences, Health & Human Services, Speech & Hearing Discipline : Speech & Hearing Co-PI : Michael Bergen	Name : Fuse, Akiko Address : Telephone : Email:
---	--

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? Yes

Department SPEECH COMMUNICATION ARTS AND SCIENCES

Title of Proposed Project: Improved recruitment and retention of undergraduate students from CLD backgrounds in communication sciences and disorders
--

Brief Abstract

The proposed project is designed to increase the recruitment and retention of undergraduate students from culturally and linguistically diverse (CLD) backgrounds in the field of communication sciences and disorders. Given the demand for serving an increasingly diverse population (U.S. Census, 2010), there is a significant shortage of speech-language pathologists (SLPs) with CLD backgrounds as well as bilingual SLPs in the field (ASHA, 2012). Therefore, recruitment and retention of students, particularly those from CLD backgrounds, to the field of communication sciences and disorders is critical (ASHA, 2013). While a largely diverse student body is observed among undergraduate student majors in the discipline at Brooklyn College, significantly less diversity exists in the master's degree program. This project will utilize surveys and interviews of current undergraduate students from underrepresented populations to identify the factors which might influence students' decisions when considering application decisions.

Relevant Publications & Scholarship

PRESENTATIONS/ABSTRACTS

Fuse, A. Understanding Needs & Barriers of Undergraduate Students for Successful Careers in Communication Sciences & Disorders. Presented at the American Speech-Language-Hearing Association Convention in Orlando, Florida, November, 2014.

Fuse, A. Preliminary results: Needs and barriers of undergraduate students for their successful future careers in communication sciences and disorders. Poster Presentation at Faculty Day. Brooklyn College, New York. May, 2014.

Fuse, A. Service delivery for students and their families with culturally and linguistically diverse backgrounds. Symposium presentation at Faculty Day. Brooklyn College, New

York. May 2013.

Fuse, A., & Ingenito, E. Interim service plan: working with children and families with culturally-linguistically diverse backgrounds. Interim Service Plan workshops, District 75/NYC Department of Education, New York, March – May 2011.

Colón, N., Fuse, A., & Suero, C. Making reading more fun and meaningful. Better Speech and Hearing Month parent workshop, P17X at 161, District 75/NYC Department of Education, New York, May 2011.

Adya, T., Colón, N., Fuse, A., & Suero, C. Enhancing communication between parent and child, Parts I - III. A 3-day series of parent workshops at P17X at 161, District 75/NYC Department of Education, New York, April - June 2010.

Colón, N., Fuse, A., & Suero, C. Enhancing communication between parent and child. Professional Development Meeting, City Wide Speech Services, District 75/NYC Department of Education, New York, June 2010.

Education

Institution	Degree	Year(s)	Discipline
CUNY/Brooklyn College	Master of Arts	2003	Experimental Psychology
CUNY/Graduate School and University Center	Master of Philosophy	2004	Psychology
CUNY/ Graduate School and University Center	Ph.D	2006	Psychology
Teachers College/Columbia University	Master of Science	2008	Speech and Language Pathology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
01/2014-06/2014	Proposal to Increase Underrepresented Populations in the Graduate Program in Communication Sciences	\$4,200.00	Diversity Projects Development Fund
07/2013-06/2014	Acquisition of Japanese Spatial Language and Categorization	\$3,485.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC_CUNY_rev_12_15_2013_final.pdf	34737	12/15/2013 11:46:23 PM

Budgets

Description			Requested Amount

Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Subject Payments (Focus group: \$20 gift card per student x 12 = \$240; Survey participants: \$50 gift card x 2 = \$100 for raffle \$ 340.00)		580.00 0.00	580.00
Research Supplies Voice recorder x 1 (to record focus group sessions; e.g., Olympus WS-802) \$71.95 Survey Instrument (Survey Monkey – Gold plan which allows text analysis and SPSS integration)\$300 Printing, Binding & Supplies • Two pockets folders (quantity x 20) • File folders (50/box) • Expanding File Pockets, Letter, 5 1/4" Expansion (10/Pack) • DVD-R (25/pack): to save data from focus group sessions • Photo-coping, ink, paper \$345 External data storage x 1 (to store data; e.g., Seagate FreeAgent Desktop External Hard Drive, 1.0TB 7200RPM) \$114.84 USB flash drive x 2 (to work with data for transcriptions, coding, and statistical analysis of the data) e.g., SanDisk Cruzer 64GB USB Flash Drive (\$29.99 each)) \$59.98 Research Supplies- photo-copying, papers, ink, folders		831.79 0.00	831.79
Research Staff			2086.96

Two CUNY students will interview students and record data for twenty hours apiece for focus group. - \$10.00 per hour for 20 hours x 2 students) \$400 Student assistants to develop, distribute and collect data (\$10.00 per hour for 50 hours x 3 students)\$1,500.00	Fringe Benefit Expense MTA Payroll Tax	1900.00 186.96	
		Total	3498.75

PSC-CUNY Research Awards (Traditional B)

Control No:	TRADB-45-8	Name :	Schoenfeld, Brad
Rank:	Instructor	Address :	
Tenured:	No	Telephone	
College:	LEHMAN COLLEGE	Email:	
Panel:	Health Sciences, Health & Human Services, Speech & Hearing		
Discipline :	Health & Human Services		
Co-PI :			

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department HEALTH SCIENCES

Title of Proposed Project:

Muscular adaptations in volume equated split-body versus total-body resistance training routines

Brief Abstract

Resistance training is a modality of physical exercise that is widely used to enhance athletic performance and promote general health and wellness in a wide variety of populations. Proper manipulation of resistance training variables is considered essential to optimize muscular adaptations. One of the least studied of these variables is the frequency of training a given muscle. Limitations in previous research includes imprecise measurements and low volumes. The purpose of the proposed study is to investigate the effects of training muscle groups 1 day a week using a split-body routine versus 3 days a week using a total body routine on muscular adaptations. The study will employ a higher volume routine typically associated with bodybuilding-style training and the use of validated diagnostic imaging methods to assess changes in muscle thickness. The results of this study will provide important information for future research into best practices for enhancing muscle strength and hypertrophy.

Relevant Publications & Scholarship

Schoenfeld, B.J., Contreras, B., Sonmez, G.T., Willardson, J.M., Fontana, F. (2014). Muscle activation during low- versus high-load resistance training in well-trained men. European Journal of Applied Physiology. [Epub ahead of print]

Ribeiro, A.S., Romanzini, M., Avelar, A., Schoenfeld, B.J., Cyrino, E.S. (2014). Effect of different warm up procedures on resistance training exercises performance. Perceptual and Motor Skills. 119(1):133-45

Schoenfeld, B.J., Contreras, B., Sonmez, G.T., Willardson, J.M., Fontana, F., Harris, R. (2014). An electromyographic comparison of a modified version of the plank with a long-lever and posterior tilt versus the traditional plank exercise: Implications for functional performance. Sports Biomechanics, [Epub ahead of print]

Henselmans, M., Schoenfeld, B.J. (2014). The Effect of Inter-set Rest Intervals on Resistance Exercise Induced Muscle Hypertrophy. *Sports Medicine*. Jul 22. [Epub ahead of print]

Helms, E., Fitschen, P.J., Aragon, A., Cronin, J., Schoenfeld, B.J. (2014). Recommendations for Natural Bodybuilding Contest Preparation: Resistance and Cardiovascular Training. *Journal of Sports Medicine and Physical Fitness*, Jul 7. [Epub ahead of print]

Ribeiro, A.S., Schoenfeld, B.J., Cyrino, E.S. (2014). Effect of 16 weeks of resistance training on fatigue resistance in men and women. *Journal of Human Kinetics*, 42, 165-174

Schoenfeld, B.J., Contreras, B., Sonmez, G.T., Wilson, J.M., Kolber, M., Peterson, M.D. (2014). Regional differences in muscle activation during hamstrings exercise. *Journal of Strength and Conditioning Research*. [Epub ahead of print]

Ribeiro, A.S., Avelar, A., Schoenfeld, B.J., Souza, M.F. Padilha, C., Cyrino, E.S. (2014). Analysis of the specific training load during a hypertrophy-type resistance training program in men and women. *European Journal of Sport Science*. Jul 28:1-9. [Epub ahead of print]

Schoenfeld, B.J., Ratamess, N., Peterson, M.D., Contrears, B., Sonmez, G.T., Alvar, B.A. (2014). Effects of different volume-equated resistance training loading strategies on muscular adaptations in well-trained men. *Journal of Strength and Conditioning Research*. 28(10), 2909-2018

Ribeiro, A.S., Avelar, A., Schoenfeld, B.J., Ritti-Dias, R.M., Altimar, L.R., Cyrino, E.S. (2014). Effect of 16 weeks of resistance training on body water in men and women. *European Journal of Sport Science*. [Epub ahead of print]

Schoenfeld, B.J., Contreras, B. (2014). The muscle pump: Mechanisms and applications for hypertrophic adaptations. *Strength and Conditioning Journal*, [Epub ahead of print]

Ogborn, D., Schoenfeld, B.J. (2014). The Role of Fiber Types in Muscle Hypertrophy: Implications for Loading Strategies. *Strength and Conditioning Journal*, 36(2), 20-25

Schoenfeld, B.J., Aragon, A.A., Krieger, J.W. (2013). The effect of nutrient timing on muscle strength and hypertrophy: A meta-analysis. *Journal of the International Society of Sport Nutrition*, 10(1), 53

Schoenfeld, B.J., Contreras, B. (2013). Is postexercise muscle soreness a valid indicator of muscular adaptations? *Strength and Conditioning Journal*, 35(5), 16-21

Schoenfeld, B.J. (2013). What is the minimum intensity threshold for resistance training-induced hypertrophic adaptations? *Sports Medicine*, 43(12), 1279-1288

Schoenfeld, B.J., Sonmez, G., Kolber, MJ, Contreras, B., Harris, R., Ozen, S. (2013). Effect of hand position on EMG activity of the posterior shoulder musculature during a horizontal abduction exercise. *Journal of Strength and Conditioning Research*, 27(10), 2644-2649

Schoenfeld, B. (2013). Post-exercise hypertrophic adaptations: A re-examination of the hormone hypothesis and its applicability to resistance training program design. *Journal of Strength and Conditioning Research*, 27(6):1720-1730

Schoenfeld, B.J. (2013). Potential Mechanisms for a Role of Metabolic Stress in Hypertrophic Adaptations to Resistance Training. *Sports Medicine*, 43(3), 179-194

Schoenfeld, B. (2012). Does exercise-induced muscle damage play a role in skeletal muscle hypertrophy? Journal of Strength and Conditioning Research, 26(5):1441-53

Schoenfeld, B. (2011). The use of specialized training techniques to maximize muscle hypertrophy. Strength and Conditioning Journal, 33(4), 60-65.

Schoenfeld, B.J. (2010). The mechanisms of muscle hypertrophy and their application to resistance training. Journal of Strength and Conditioning Research. 24(10), 2857–2872

Education

Institution	Degree	Year(s)	Discipline
Rocky Mountain University of Health Professionals	PhD	2014	Applied Exercise Science
University of Texas at Permian Basin	MS	2010	Exercise Science
Pace University	BBA	1985	Management

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014	Muscular adaptations following low- versus high-load resistance training in well-trained men	\$7,000.00	Dymatize Nutrition
2014	Muscular adaptations in a volume-equated split versus total body resistance training routine in wel	\$5,000.00	PSC-CUNY Round 45
2013	Does hypertrophy-type resistance training promote greater muscle growth than strength-type training?	\$9,800.00	Dymatize Nutrition
2013	The effect of nutrient timing on muscle strength and hypertrophy: A systematic review and meta-analy	\$2,000.00	Dymatize Nutrition

Attachments

Description	File Name	File Size	Date Attached
Project Description	Schoenfeld.doc	50176	11/6/2013 2:16:56 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA	0.00 0.00	0.00

	Payroll Tax		
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Subject Payments To help recruit subjects it will be necessary to offer remuneration. The study will last 8 weeks and require approximately 3 hours a week of the participant's time. There will be 20 subjects who will each receive \$250 following completion of the study. A stipend of \$250 provides sufficient compensation for the time and effort		5000.00 0.00	5000.00

of the volunteers.			
		Total	5000.00

PSC-CUNY Research Awards (Traditional B)

Control No:	TRADB-45-398	Name :	MacRoy-Higgins, Michelle
Rank:	Assistant Professor	Address :	
Tenured:	No		
College:	HUNTER COLLEGE		
Panel:	Health Sciences, Health & Human Services, Speech & Hearing	Telephone	
Discipline :	Speech & Hearing	Email:	
Co-PI :			

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? Yes
Department SPEECH-LANGUAGE-HEARING SCIENCES

Title of Proposed Project:

Parent Perspectives of Children's Speech and Language Development and Delays

Brief Abstract

The purpose of this study is to understand parent perspectives of their children's early delays in speech and/or language development. Delays in speech and/or language are among the most common childhood disorders and early identification and treatment has shown to improve a child's academic success (Van Dyke & Holte, 2003). Parents play an important role in recognizing differences or early warning signs in children's speech and language development. However, parents may not have access to scientific information about typical speech and language development as textbooks and academic journals are not written using parent-friendly terminology. The proposed project will collect information from parents of children with typical speech and language development and children with speech and language disorders in order to understand parents' experiences. This information will then be integrated in a parent-friendly publication designed to educate the general public, in particular parents and caregivers, about speech and language development, and disorders.

Relevant Publications & Scholarship

Publications

MacRoy-Higgins, M. & Montemarano, E. The influence of attention on word learning in toddlers who are late talkers (resubmitted).

MacRoy-Higgins, M. & Galletta, E. Principles of Assessment in Introduction to clinical methods in speech language pathology, 3rd edition. Paul. R. & Cascella, P. expected publication date 2014.

MacRoy-Higgins, M. & Schwartz, R.G. (2013). Phonological and lexical characteristics of late talkers in Late Talkers in Language Development, Interventions, and Outcomes. Rescorla, L. & Dale, P.S. (Eds). Brooks Publishing Co. Baltimore, MD.

MacRoy-Higgins, M., Schwartz, R.G., Shafer, V.L. & Marton, K. (2013). The influence of phonotactic probability on lexical learning in late talkers. *International Journal of Language and Communication Disorders*. 48(2). 188-199.

MacRoy-Higgins, M., Shafer, V.L., Schwartz, R.G., & Marton, K. (2013). The influence of phonotactic probability on word recognition in toddlers *Child Language Teaching and Therapy*, DOI: 0265659013487534, published online May 30, 2013.

Roesler, C.P., Flax, J., MacRoy-Higgins, M., Fermano, Z., Morgan-Byrne, J., & Benasich, A.A. (2013). Sensory desensitization training for successful net application and EEG/ERP acquisition in difficult to test children. *Communication Disorders Quarterly*. 35, 14-20.

MacRoy-Higgins, M. (2012). Late talkers, a variation of normal? *The Communicator: The Newsletter of the New York State Speech-Language-Hearing Association*, January/February/March.

MacRoy-Higgins, M. & Kaufman, I. (2012). Pragmatic Functions of Toddlers who are Late Talkers. *Communication Disorders Quarterly*. 33(4), 242-244.

Yu, Y.H. Choudhury, N., Cantiani, C., Shafer, V.L., MacRoy-Higgins, M., Schwartz, R.G. & Benasich, A.A. (2012). Electrophysiological correlates of picture-word processing in three-to-seven year old non-verbal children with autism. *BUCLD 36 Proceedings: Cascadilla Press: Boston, MA*.

Education

Institution	Degree	Year(s)	Discipline
State University of New York, College at Geneseo	B.S.	1998	Communication Sciences and Disorders
Adelphi University	M.S.	2001	Communication Sciences and Disorders
The Graduate Center, CUNY	Ph.D.	2009	Speech-Language-Hearing Sciences

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2012-2013	Data analysis equipment for research lab	\$6,000.00	Graduate Research and Technology initiative (GRTI) Grant, Hunter College, CUNY
2011-2012	Attention in Toddlers who are late talkers	\$5,400.00	PSC-CUNY
2008-2010	Assessing information processing in non-verbal children with autism spectrum disorders	\$90,000.00	Autism Speaks
2009-2010	Phonological organization in Preschoolers who were late talkers	\$6,000.00	PSC-CUNY
2008-2009	Speech science equipment to enhance graduate students' clinical experience	\$10,600.00	Graduate Research and Technology Initiative (GRTI) Grant, Hunter College,

			CUNY
2007-2008	New word learning and the nature of phonological representations in children who are late talkers	\$1,500.00	Graduate Center, CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	MMH_PSC-CUNY_2013_final.pdf	48417	12/13/2013 2:36:05 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
<p>Summer Salary (Principal Investigator)</p> <p>This project will involve a considerable amount of time initially, training the research assistant to recruit parents, and conduct the interviews. This training will be completed during July and August 2014. Therefore, summer salary is requested.</p>	Fringe Benefit Expense	1500.00 433.50	1933.50
<p>Research Staff</p> <p>A research assistant will assist in this project. This individual will have experience interviewing parents, with data analysis and with scientific writing. The research assistant will work 5 hours per week, and will be paid \$15.00 per hour. The research assistant's responsibilities will include recruitment of parents with children with speech and language delays, and interviewing parents (data collection). This individual will be involved with manuscript preparation (in this case in the form of a book proposal).</p>	Fringe Benefit Expense MTA Payroll Tax	3000.00 295.20	3295.20
		Total	5228.70

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-17 Rank: Associate Professor Tenured: Yes College: COLLEGE OF STATEN ISLAND Panel: Health Sciences, Health & Human Services, Speech & Hearing Discipline : Health & Human Services Co-PI :	Name : Ahmed, Zaghloul Address : Telephone Email:
---	--

Human Subject Use No
 Animal Subject Use Yes
 Supplementary Materials No
 List of Supplementary Material
 Will Interviews be Conducted? No
 Department PHYSICAL THERAPY
 List of Undesirable Reviewers No

Title of Proposed Project: Applied direct current through the spinal cord/sciatic nerve route alters tone of targeted muscles in spinal cord injury mice with spasticity
--

Brief Abstract

Spasticity causes pain and fatigue, disturbs sleep, restricts daily activities like walking, sitting, and bathing, and can complicate rehabilitation efforts. Thus, investigations designed to develop novel therapeutic interventions, such as those described in this proposal, have very high potential significance. This application aims to investigate effects of a new method that utilizes subthreshold direct current stimulation (DCS) to attenuate abnormal muscle tone in mice with spinal cord injury (SCI). We are performing parametric studies. Our preliminary data are the first to show that applying spinal-sciatic direct current stimulation (DCS) can decrease or increase tonic or phasic stretch responses (depending on the direction of the current) in anesthetized SCI mice. This proposal aims to further investigate spinal-sciatic DCS in anesthetized and awake animals. This therapeutic approach is expected to permanently attenuate spasticity and improve recovery of skilled and unskilled locomotion after SCI. Data collected from this application will be used to submit RO1 to NIH.

Relevant Publications & Scholarship Published Peer Reviewed Research

1. Ahmed Z. (2013) Effects of cathodal trans-spinal direct current stimulation on mouse spinal network and complex multijoint movements. The Journal of Neuroscience 33:14949-14957.
2. Ahmed Z. (2013) Electrophysiological Characterization of Spino-Sciatic and Cortico-Sciatic Associative Plasticity: Modulation by Trans-Spinal Direct Current and Effects on Recovery after Spinal Cord Injury in Mice. The Journal of Neuroscience March 2013, 33(11):4935-4946
3. Ahmed, Z., Wieraszko, A (2012). Trans-spinal direct current enhances corticospinal

output and stimulation-evoked release of glutamate analog, D-2,3-H-aspartic acid. *Journal of Applied Physiology* 112:1576-1592.

4. Ahmed, Z. (2011). Trans-spinal direct current stimulation modulates motor cortex-induced muscle contraction in mice. *Journal of Applied Physiology* 110(5):1414-24.
5. Ahmed Z. Dipolar cortico-muscular electrical stimulation: A novel method that enhances motor function in both-normal and spinal cord injured mice. *Journal of NeuroEngineering and Rehabilitation* 2010, 7: 46

1. Zaghloul, Ahmed. "Spinal Cord Injury-Induced Discharges Modify the Function of Glutamatergic System and Improve Ground and Skilled Locomotor Control." *Journal of Spine & Neurosurgery* (2013).
2. Leydeker; Delva; Tserlyuk; Yau; Wagdy; Hawash; Bendaoud; Mohamed; Wieraszko; Ahmed Z. (2013). The Effects of 15 Hz Trans-spinal Magnetic Stimulation on Locomotor Control in Mice with Chronic Contusive Spinal Cord Injury. *Electromagnetic Biology and Medicine*
6. Purkayastha S, Ford J, Kanjilal B, Diallo S, Del Rosario Inigo J, Neuwirth L, El Idrissi A, Ahmed Z, Wieraszko A, Azmitia EC, and Banerjee P. Clozapine functions through the prefrontal cortex serotonin 1A receptor to heighten neuronal activity via calmodulin kinase II-NMDA receptor interactions. *J Neurochem* 120: 396-407, 2012.
7. Sudarshana Purkayastha, Hai Zhang, Guo Zhang, Zaghloul Ahmed, Yi Wang, Dongsheng Cai (2011). Neural Dysregulation of Peripheral Insulin Action and Blood Pressure by Endoplasmic Reticulum Stress in the Brain. *Proc Natl Acad Sci*
8. Ahmed Z., Mekhael W., Merel B., Zoromba S., Zoromba, H., Sahar A., Kanjilal B and Wieraszko, A (2011). Therapeutic Effects of Acrobatic Exercise and Magnetic Field Exposure on Functional Recovery After Spinal Cord Injury in Mice. *Bioelectromagnetics*
9. Ahmed, Z., Freedland, R., Wieraszko, A., 2010. Excitability changes in the sciatic nerve and triceps surae muscle after spinal cord injury in mice. *J Brachial Plex Peripher Nerve Inj.* 5, 8.
10. Wieraszko, A., Ahmed, Z., 2009. Axonal release of glutamate analog, d-2,3-H-Aspartic acid and L-14C-proline from segments of sciatic nerve following electrical and magnetic stimulation. *Neurosci Lett.* 458, 19-22.
11. Ahmed, Z., Wieraszko, A., 2009a. Activity-dependent axonal plasticity: the effects of electrical stimulation on compound action potentials recorded from the mouse nervous system in vitro. *Open Neurosci J.* 3, 14-25.
12. Ahmed, Z., Wieraszko, A., 2009b. The influence of pulsed magnetic fields (PMFs) on nonsynaptic potentials recorded from the central and peripheral nervous systems in vitro. *Bioelectromagnetics.* 30, 621-30.
13. Ahmed, Z., Wieraszko, A., 2008a. Combined effects of acrobatic exercise and magnetic stimulation on the functional recovery after spinal cord lesions. *J Neurotrauma.* 25, 1257-69.
14. Ahmed, Z., Wieraszko, A., 2008b. The mechanism of magnetic field-induced increase of excitability in hippocampal neurons. *Brain Res.* 1221, 30-40.
15. Mehta, M., Ahmed, Z., Fernando, S.S., Cano-Sanchez, P., Adayev, T., Ziemnicka, D., Wieraszko, A., Banerjee, P., 2007. Plasticity of 5-HT 1A receptor-mediated signaling during early postnatal brain development. *J Neurochem.* 101, 918-28
16. Ahmed, Z., Wieraszko, A., 2006. Modulation of learning and hippocampal, neuronal plasticity by repetitive transcranial magnetic stimulation (rTMS). *Bioelectromagnetics.* 27, 288-94.

Submitted Patents:

1. Title: Electrical Stimulation Device for Motor Function Recovery

Date of submission: October 2009

The importance: The device encompasses unique features of delivering direct current through the motor pathway of the nervous system. This procedure is able to improve the nervous system connections that were weakened by injury. This procedure is applicable after many neurologic disorders like hemiplegia, spinal cord injury, cerebral palsy,

peripheral nerve injury and ALS.

Education

Institution	Degree	Year(s)	Discipline
The graduate center/CUNY	Ph.D.	2006	Neuroscience

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2011-2012	Investigating the effect of trans-spinal direct current on functional recovery after contusive SCI	\$11,864.00	PSC-CUNY
2013-2014	effects of spinosciatic dc current on muscle tone	\$25,700.00	NYS Department of Health
2011-2013	Electrical Stimulation Device for Motor Function Recovery	\$250,000.00	BioAccelerate NY Prize
2009-2010	The role of the cerebellum in muscle fatigue	\$3,700.00	PSC CUNY
2007-2008	Electrical and Magnetic Stimulation of the Human Peripheral Nervous System	\$5,499.00	PSC CUNY
2010-2011	Investigating the expression of subtypes of sodium channels in the sciatic nerve after chronic spina	\$2,230.00	PSC CUNY
2011-2012	Spinal Circuitry and Locomotion Recovery Following Spinal Cord Injury	\$12,000.00	Provost's Scholarship Award (The College of Staten Island)
1 year (2008-2009)	Investigating the therapeutic effect of combining cortical and spinal magnetic stimulation with exer	\$5,299.00	PSC CUNY
2 years (2008-2010)	The Effect of magnetic field stimulation and acrobatic exercises on recovery after spinal cord injur	\$309,600.00	New York State Department of Health

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Budget_Justification.pdf	84787	11/23/2013 7:47:04 AM
Project Description	Project_Description.pdf	683856	11/23/2013 7:47:23 AM

Budgets

Description			Requested Amount

Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		1475.00 0.00	1475.00
Research Staff Part-time research assistant (200 hoursX20/h=4000.00) plus 10% overhead. This research assistant will help in performing the behavior assessments, and stimulation procedures. This fund will pay 12.5 weeks (16 h/week) of the research assistant salary.	Fringe Benefit Expense MTA Payroll Tax	4000.00 393.60	4393.60

Research Supplies		6131.00 0.00	6131.00
		Total	11999.60

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-390 Rank: Assistant Professor Tenured: No College: JOHN JAY COLLEGE OF CRIMINAL JUSTICE Panel: History Discipline : History Co-PI :	Name : Walker-Said, Charlotte Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department AFRICAN STUDIES

Title of Proposed Project: Traditional Marriage for the Modern Nation: Family Formation and the Politics of Religion in Colonial Cameroon

Brief Abstract

The PSC-CUNY Grant will assist me in finalizing the research for my book manuscript, *Traditional Marriage for the Modern Nation: Family Formation and the Politics of Religion in Colonial Cameroon*, under review with Cambridge University Press. The grant will allow me to conduct archival research in two archives in the area surrounding Paris, France in order to complete the last two chapters. These chapters examine the political mobilizations of African communities stemming from religious and political change in Cameroon during the decade after World War II, when the French colonial government legalized African political activity and African Christians championed African family values and social welfare. By accessing several archives in and outside Paris, I will be able to illuminate the activities of African Catholic and Protestant communities in Cameroon and their political activities, which were centered on “family values” politics including marriage, social ethics, public health, and sexual morality.

Relevant Publications & Scholarship

- Charlotte Walker-Said, “The Catholic Church at the End of Empire,” special issue of *French Politics, Culture & Society: “Decolonization and Religion in Modern French History,”* forthcoming spring 2014
- Charlotte Walker-Said, “Sexual Minorities Among African Asylum Claimants: Human Rights Regimes, Bureaucratic Knowledge, and the Era of Sexual Rights Diplomacy,” in Benjamin Lawrance, Iris Berger, Trish Redeker-Hepner, Jo Tague, and Meredith Terretta, eds., *Activism, Asylum, and the Academy at a Crossroads: Expert Testimony and the Construction of Modern Africa*, Athens, OH: Ohio University Press, 2014.
- Charlotte Walker-Said, “Invisible Histories of Revolutionary Cameroon,” in Trevor R. Getz and Thomas G. Padilla, eds., *Subjecting History: Building a Relationship Between History and Its Alternatives*, Athens, OH: Ohio University Press, 2014.
- Charlotte Walker, “The Trafficking and Slavery of Women and Girls: The Criminalization of Marriage, Tradition, and Gender Norms in French Colonial Cameroon, 1914-1945,” in

Tiantian Zheng, ed., Sex Trafficking, Human Rights, and Social Justice, New York: Routledge, 2011, pp.150-169.

- Charlotte Walker, "Mozambique" and "Angola," in International Peace Institute, ed., Understanding Compliance with UN Security Council Resolutions Addressing Post-Cold War Civil Wars, New York: International Peace Institute, with the United Nations, 2010.
- Charlotte Walker, "Claude McKay: A Contribution to African Thought," Encyclopedia of African Thought, Oxford University Press, 2010.

Education

Institution	Degree	Year(s)	Discipline
Princeton University	AB	2003	History
Yale University	PhD	2009	History

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Summer 2012	Study of Gender and Sexuality Faculty Fellowship	\$1,000.00	University of Chicago Center for the Study of Gender and Sexuality
Spring 2013	GlaxoSmithKline Grant winner	\$1,000.00	John Hope Franklin Research Center, Duke University
Summer 2013	Schmitt Grant Winner	\$1,000.00	American Historical Association

Attachments

Description	File Name	File Size	Date Attached
Project Description	Walker-Said-PSC.pdf	118640	12/13/2013 12:05:51 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
	Fringe		0.00

Clerical Staff	Benefit Expense MTA Payroll Tax	0.00 0.00	
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel Airline Ticket to Paris on a US Carrier, to Paris, France, July 2014-August 2014 (for 17 day trip): \$1400 Rental car for transport to the private archives in Chevilly-Larue (there is no public transport available currently to this town, as the railway line from Paris is under construction): \$57/per day for seven (7) working days = \$400 (note- I will not need the rental car for the Protestant archive in Paris, which is accessible by metro) Lodging costs: estimated cost to spend 17 days between late July and early August in France at budget hotel—17 total days required of hotel costs: \$1700 (\$100/night x 17 nights in hotel- I understand this is less than the State Department estimates for hotels in Paris. I will be staying at modest lodging in order to stay for 17 days)		3500.00 0.00	3500.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-286 Rank: Assistant Professor Tenured: No College: NEW YORK COLLEGE OF TECHNOLOGY Panel: History Discipline : History Co-PI :	Name : Zylstra, Geoff Address : Telephone : Email:
--	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department SOCIAL SCIENCE

Title of Proposed Project: Geographies of Servitude: Black Experiences of Industrialization in Philadelphia, 1830-1880
--

Brief Abstract

This project examines black experiences of industrialization in mid-nineteenth century Philadelphia through the organization of the built environment and the control of technological spaces. Different groups of whites claimed industrial spaces as a way to create racial superiority, and they relegated Philadelphia's blacks to parts of the city associated with service work. For the vast majority of Philadelphia's black residents, industrialization created an environment of continued servitude that they experienced through the physical organization of the city.

Relevant Publications & Scholarship

Publications:

Forthcoming Invited Essay: "'Containers of Power,' Using Space to Study the City." Journal of Urban History. Fall 2014.

Forthcoming Invited Chapter: "The Rise of Urban Institutions, 1820-1920" in Guide to Urban Politics and Policy, ed. Richardson Dillworth and Christine Palus (Congressional Quarterly, 2016).

"Struggle over the Streets: Industrialization and the Fight over the Corporate Control of Street Space in Philadelphia, 1830-1860," Journal of Urban Technology. Vol 20, no 3. Summer 2013. 3-19.

"Stretching Time, Collapsing Space: How New Jersey Market Gardeners Used Technology to Control Production, 1840-1870." Agricultural History. Vol 87, No 2, Spring 2013, 144-169.

"How I Teach Gender in History (of Technology)." SHOT talk, Society for the History of Technology. Oct. 7, 2013.

"Whiteness, Freedom and Technology: The Racial Struggle over Philadelphia's Streetcars, 1859-1867." *Technology and Culture*. Vol 52, No 4, October, 2011, 678-702.

"The Case for a Liberal Technical Education," *Nucleus*, A Faculty Commons Publication – Volume 1 Number 3, March 2010, pp 8-9.

Presentations:

"When Streetcars were Racial Tools: Jim Crow Segregation on Philadelphia's Streetcars, 1859-1867," Transportation Research Board (TRB). Washington, DC, January 13, 2014.

Commentator: "Shifting Cultures and Transforming Identities: Alternative Bodies/Technologies in Other-Abled and Gendered Communities" Society for the History of Technology meeting. Portland, ME, October 12, 2013.

"How I Teach Gender in History (of Technology)," President's Roundtable: Rethinking Modes of Instruction in Diverse Communities. Society for the History of Technology meeting. Portland, ME, October 12, 2013.

"Stretching Time, Collapsing Space, Market Gardeners use Technology to Control Production," New York City College of Technology Research Conference. Brooklyn, NY April 5, 2013.

"Struggle over the Streets: Industrialization and the Corporate Control of Street Space in Philadelphia, 1830-1860" Urban History Association. New York, NY, October 26, 2012.

"Women in Technological History (WITH) in the 21st Century – Future Directions (Organizer)," Society for the History of Technology meeting. Copenhagen, October 5, 2012.

"The Rise and Fall of Coney Island: A Story of Industrial and Post-Industrial Consumption." NEH Landmarks workshop, Along the Shore: Changing and Preserving the Landmarks of Brooklyn's Industrial Waterfront. Brooklyn, NY. June 8 & 22, 2012.

"Early American History and Epistemology in the Archive." Brooklyn Historical Society, Brooklyn, NY. June 14, 2012.

"Segregation in Nineteenth-Century Cities" New York City College of Technology Annual Poster Session. Brooklyn, NY, November 17, 2012.

"Whiteness, Freedom and Technology: The Racial Struggle over Philadelphia's Streetcars, 1859-1867." Society for the History of Technology meeting. Cleveland, OH. November 5, 2011.

"Place Based Education: How the Classroom can Learn from the City." Title V General Education Seminar. New York City College of Technology, Brooklyn, NY. April 1, 2011.

"Whiteness, Freedom and Technology: The Racial Struggle over Philadelphia's Streetcars, 1859-1867." Social Science Lecture Series, New York City College of Technology. Brooklyn, NY. Nov. 30, 2010.

"The Rise and Fall of Coney Island: A Story of Industrial and Post-Industrial Consumption." NEH Landmarks workshop, Along the Shore: Changing and Preserving the Landmarks of Brooklyn's Industrial Waterfront. Brooklyn, NY. June 11 & 25, 2010.

"Pigs, Poop, and Protest: Connecting Class and Ecology in Nineteenth-Century Industrial Cities." Earth Day Ceremony. New York City College of Technology, Brooklyn, NY. April

22, 2010.

"Ohiyo (Good Morning): A Roundtable Discussion." Asian Film Series. New York City College of Technology, Brooklyn, NY. April 20, 2010.

"The Rise and Fall of Coney Island: A Story of Industrial and Post-Industrial Consumption." Brooklyn Observed: History, Politics, and Culture. St. Francis College, Brooklyn, NY. September 22, 2009.

"The Work of Place/The Place of Work: New York City College of Technology and the Brooklyn Waterfront" Urban Affair Association annual meeting. Chicago, IL. March 6, 2009.

"Beyond Public and Private: Women and Children Destroy a Street Railroad in 1840s Philadelphia." Society for the History of Technology meeting. Lisbon, Portugal. October 13, 2008.

"Pigs, Poop, and Protest: Connecting Class and Ecology in Nineteenth-Century Industrial Cities." New York Observed, History, Literature, Culture Seminar. St Francis College, Brooklyn, NY. Sept. 16, 2008.

Education

Institution	Degree	Year(s)	Discipline
Case Western Reserve University	PhD	2006	History
University of Maryland, College Park	MA	1999	History
Calvin College	BA	1994	English

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2010-2013	Students and Faculty in the Archives	\$3,000.00	Brooklyn Historical Society
2014	Making Connections: Engaging the Humanities at a School of Technology	\$100,000.00	NEH
2010	Pigs, Poop, and Protest	\$5,000.00	PSC CUNY
2008	Water and Work: The History and Ecology of Downtown Brooklyn	\$900.00	National Endowment for the Humanities
2008	Faculty Development Mini Grant	\$5,000.00	University Transportation Research Center

Attachments

Description	File Name	File Size	Date Attached
Project Description	Geograhies_of_Servitude_PSC_CUNY_20	79490	12/13/2013 3:27:24 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00

Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time Release time will be used to reduce my high teaching load primarily to provide me time to write this article. As City Tech is a teaching focused school with a high teaching load, it is difficult to focus on research and writing during the semester. The release time will also enable me to travel to Philadelphia more easily.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	4248.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-526 Rank: Professor Tenured: Yes College: HOSTOS C.C. Panel: Interdisciplinary Discipline : Ethnic & Area Studies Co-PI :	Name : Hernandez, Orlando Address : Telephone : Email:
--	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material No.

Will Interviews be Conducted? No

Department HUMANITIES

Title of Proposed Project: Translation of Eugenio María de Hostos's Writings on the Condition, Education, and Rights of Women

Brief Abstract

While in Santiago de Chile in 1873, Eugenio Maria de Hostos delivered a two-part lecture on "The Scientific Education of Women," as he became engaged in that country's debate on women's rights. In his lecture, Hostos develops arguments for the education of women based on their moral and intellectual equality, and on their enhanced potential contributions to society as mothers and teachers of their children. Several years later, while in Santo Domingo in 1881, Hostos empowered poet Salomé Ureña to become the director of the new "normal" or teachers school for women. He then gave an important speech titled "The Education of Women," in which he sees education for women as both: a factor for society's development and a means for women's individual self-fulfillment. Throughout his life, Hostos continued to write and publish about this important issue and about specific contributions of women. This project proposes to collect those writings, annotate them, and prepare them for publication along with my critical introduction.

Relevant Publications & Scholarship

Collaborations with books and journals:

"Nueva York como centro de traducción de y para el mundo hispánico." Entry on translation as collaboration to article by Dioniso Cañas titled "Nueva York: centro y lugar de tránsito del nomadismo cultural hispano". "HISPANIC NEW YORK: A RESOURCE BOOK," by Claudio Iván Remeseira, Columbia University Press, 2010.

"Alfredo Margenat: vanguardia, anti-imperialismo, ludicidad." Introduction to Alfredo Margenat, "Garabatos divinos y otros escritos atalayistas." San Juan, Los Libros de la Iguana, 2009, 5-32.

Graciany Miranda Archilla, "Hungry Dust/Polvo hambriento." Introduction and translation into Spanish by Orlando José Hernández. Nueva York, Latino Press, 2004. Bilingual edition. (Resulted from PSC-CUNY funding.)

Elizabeth Bishop, "Antología poética." Critical study, translation and chronology by Orlando José Hernández. Madrid, Visor, 2003. Bilingual edition. (Resulted from PSC-CUNY funding.)

Eugenio María de Hostos, "En barco de papel/In a Paper Boat." Introduction and joint translation by Elizabeth Macklin and Orlando José Hernández. New York, Moria, 1989. Bilingual edition.

Articles:

"Hugo Margenat, poeta de nuestra contemporaneidad," in "EXEGESIS," Universidad de Puerto Rico en Humacao, Año 21, Núm 61-63, 2008, pp. 31-57.

"Hostos in New York," "THE HOSTOS CONNECTION," Hostos Community College, Spring, 2008, p. 6.

"Poemas de Hungry Dust." Critical note on Graciany Miranda Archilla's poetry. "Revistaatlántica de Poesía," Cádiz, España, No. 29, 2004, pp. 111-113. (Resulted from PSC-CUNY funding.)

Translations for theater presentation:

For Broadway Show "Palabra de Mujer"/"A Woman's Word," directed by Miriam Colón, at The Puerto Rican Traveling Theater, N.Y. September 2012. Translation of the literary texts: Soledad Romero's "Palabra de Mujer"/"A Woman's Word"; Ana Lydia Vega's "Cuatro selecciones por una peseta"/"Four Picks for a Quarter"; Olga Nolla's "La educación sentimental" / "The Sentimental Education"; Tere Marechal's "El secuestro"/"The Kidnapping"; Desi Moreno-Penson's "Don't Knock It Till You Try It"/"Mejor pruébalo, no sea que te guste."

Education

Institution	Degree	Year(s)	Discipline
New York University	Ph.D.	1993	Spanish/Latin American Literature
New York University	M.A.	1976	Spanish/Latin American Literature
Haverford College	B.A.	1973	Spanish/Political Science

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
September 2007- June 2008	"Recovery of Eugenio María de Hostos Uncollected Texts," to do research in Dominican Republic & Cuba	\$4,000.00	CUNY Caribbean Exchange Program, Center for Puerto Rican Studies-CUNY
June 28-July 23, 2005	"Visions of Freedom for the Americas: Eugenio María de Hostos and José Martí in 19th-Century N.Y."	\$124,617.00	National Endowment for the Humanities
2004-2005	"Unpublished Work by Puerto Rican Poet Graciany Miranda Archilla"	\$3,383.00	PSC-CUNY Research Award Program

Attachments

Description	File Name	File Size	Date Attached
Supplementary Material	Hernandez_PD_FINAL.pdf	402134	12/16/2013 1:24:21 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time I will be revising the translations and preparing them for publication during the fall 2014 semester.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	4248.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-217 Rank: Assistant Professor Tenured: No College: BROOKLYN COLLEGE Panel: Interdisciplinary Discipline : Interdisciplinary Studies Co-PI :	Name : Estey, Ken Address : PO Box 250827 <div style="text-align: right;">New York, New York 10025</div> Telephone : 646-662-3594 Email: kestey@brooklyn.cuny.edu
--	--

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? Yes

Department POLITICAL SCIENCE

Title of Proposed Project:

Mosques and Islamic Centers: The Politics of "Religious Space" in the United States

Brief Abstract

The objective is to conduct primary source research on the controversies in the past few years over the construction of mosques and Islamic centers across the United States as part of a broader exploration of the meaning of "Islam in America." The purpose of the research is to investigate whether anti-Islamic populism is a useful general category to conceptualize opposition to the development of mosques and Islamic centers. Opposition to the renovation or new construction of mosques and Islamic centers is usually couched in terms of issues around traffic and zoning. Such concerns mask deep division over the legitimacy of different types of "religious space" allowed by the neighborhood in question. The intended outcome of this research is to document how controversies that surround the construction of mosques and Islamic centers shape notions about religious space and test cherished ideals in the United States such as the value of religious tolerance and diversity.

Relevant Publications & Scholarship

BOOK

A New Protestant Labor Ethic At Work (Cleveland: The Pilgrim Press, 2002)

ARTICLE

"Christianity and Class Consciousness: Searching the Pews for Labor's Allies," New Labor Forum, Vol. 20, #3, Fall 2011, 71-78.
(Resulted from PSC-CUNY funding)

ACADEMIC PRESENTATIONS

"How Conservative is 'Conservative'? The Labor Struggles of Working Class Evangelicals and Fundamentalists," American Academy of Religion Annual Meeting, Montreal, QC

(November, 2009) (Resulted from PSC-CUNY funding)

"The Labor Ethics of Working Class Born-Again Christians," Working Class Studies Association Conference: How Class Works – 2008, SUNY at Stony Brook, NY (June 2008)

"The Role of Unions in Worker Co-ops," Eastern Conference for Workplace Democracy, Manchester, NH (July, 2005)

"The Streets Are Our Teachers: Activism as a Source for Social Ethics," American Academy of Religion Annual Meeting, San Antonio, TX (November, 2004)

"Union Democracy and Global Change: Prospects for the Working Classes," American Academy of Religion Annual Meeting, Atlanta, GA (November, 2003)

"An Ethic of Accountability: NAFTA, Free Trade, and Labor Rights," American Academy of Religion Annual Meeting, Toronto, Canada (November, 2002)

"Religion: Resource and Resistance in the Workplace," American Academy of Religion Annual Meeting, Toronto, Canada (November, 2002)

OTHER PRESENTATIONS

"An Ethic by Workers, for Workers," Brooklyn Society for Ethical Culture, Brooklyn, NY (December 6, 2009) (Resulted from PSC-CUNY funding)

Education

Institution	Degree	Year(s)	Discipline
Princeton Theological Seminary	M.Div.	1987	Theology
Union Theological Seminary	Ph.D.	1998	Ethics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2011-2012	Protestant Evangelical Laborers and Worker Self-Advocacy	\$3,500.00	PSC CUNY Research Award
2009-2010	Protestant Evangelical Laborers and Worker Self-Advocacy	\$3,800.00	PSC CUNY Research Award
2008-2009	Protestant Evangelical Laborers and Worker Self-Advocacy	\$3,300.00	PSC CUNY Research Award

Attachments

Description	File Name	File Size	Date Attached
Project Description	Ken_Estey_Project_Description.doc	39936	12/6/2013 2:50:28 PM

Budgets

Description			Requested
-------------	--	--	-----------

			Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Purchase of digital voice recorder, batteries, memory cards.		200.00 0.00	200.00
Domestic Travel Flight Cost: \$1000. This covers the cost of the 3 roundtrip flights to the airports nearest the 4 locations described in the proposal: Los Angeles, California;			3300.00

Milwaukee, Wisconsin; Nashville, Tennessee. This is based on currently available tickets for July 2014. It is possible, too, to save some money with the assistance of a travel agent to book a ticket that would proceed in serial order from west flying back east. Savings could then be applied to extending the time spent in each location (see below). Lodging and Food: \$2300. Per diem costs (for 2014) of \$133 in Los Angeles, \$104 in Milwaukee, \$83 in Nashville at 7 days in each location yields approximately this amount. The travel schedule in the project description calls for more than 7 days in each location. If I can save money and go under the per diem in each location, then I can stay longer; otherwise, it will be an out of pocket expense.		3300.00 0.00	
		Total	3500.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-374 Rank: Assistant Professor Tenured: No College: YORK COLLEGE Panel: Interdisciplinary Discipline : Women's Studies Co-PI :	Name : Rodgers, Selena Address : Telephone : Email:
--	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? Yes

Department INTERDISCIPLINARY STUDIES

Title of Proposed Project: Do I Have A Say? Stereotypic Images, Mentoring, and Posttraumatic Growth among Black Female Adolescents
--

Brief Abstract

Girls and women are sexualized and objectified through media images. Such stereotypic images have been regarded as the legacy of slavery associated the sexual exploitation of African American girls and women with distinct dehumanizing and degrading practices (Townsend, Thomas, Neilands, & Jackson, 2010). Black girls and women also receive messages which underlie positive images form mentoring relationships. The purposes of this project are (1) address gaps identified by PSC-CUNY 43 Research project, (2) to examine the intersection between stereotypic roles, mentoring, and posttraumatic growth among Black female adolescents, (3) to produce several peer-reviewed articles documenting potential findings and protective factors (e.g. mentoring, posttraumatic growth) among Black female adolescents (ages 13 -18). This project is critical towards designing interdisciplinary interventions, which have the potential to effectively lessen negative stereotypic images, while identifying mentoring strategies, and developing positive image workshops.

Relevant Publications & Scholarship

Refereed Articles:

*Rodgers, S.T. (2012). (Supported by PSC-CUNY Adjunct Professional Development Award 2007-2008). Exposing Hushed Latina Immigration Experiences: The Global Reality of Refugee-like Situations in America. *The Global Studies Journal*, 47(1), 147-159.

*Rodgers, S.T. (2013, Winter). (Supported by PSC-CUNY 41 Award). The Trauma Pipeline in Baccalaureate Social Work Students enrolled in field education at urban public colleges. *The National Journal of Urban Education & Practice*, 6(3), 174-187Special Edition.

Rodgers, S.T. & *Cudjoe, T. (2013). Images of Black Leadership and Mentoring in Higher Education: Personal Narratives from Faculty and Staff. *Journal of Research Initiatives*,

1(1), 1-12.

Rodgers, S.T., & Cudjoe, T. (2014). Each One, Teach One: A Blackprint for mentoring postsecondary "Twice Exceptional" student scholars In "Search of Education, Elevation and Knowledge." [Best Practices]. Journal of Research Initiatives, 1(2), 1-6.

Refereed Book Chapters:

Bent-Goodley, T.B., Chase, L., Rodgers, S.T., & Circo, E.A. (2010). Our Survival, Our Strengths: Understanding the experiences of African-American women in abusive relationships. In L. Lockhart & F. Danis. Domestic Violence: Intersectionality and Culturally Competent Practice. (pp. 67-99). New York: Columbia University Press.

Bent-Goodley, T., St. Vil, N., & *Rodgers, S.T. (2012). (Supported by PSC-CUNY Award 40). African Americans. In: J.L. Postmus (Ed.), Sexual Violence and Abuse: An Encyclopedia of Prevention, Impacts, and Recovery. (pp. 13-18). Santa Barbara, CA: ABC-CLIO, Inc.

Bent-Goodley, T., St. Vil, N., & Rodgers, S.T. (2012). Racism. In: J.L. Postmus (Ed.), Sexual Violence and Abuse: An Encyclopedia of Prevention, Impacts, and Recovery. (pp. 445-447). Santa Barbara, CA: ABC-CLIO, Inc.

*Rodgers, S.T. (Supported by PSC-CUNY Adjunct Professional Development Award 2007-2008 and PSC-CUNY Awards: 40, 41, 42, & 43). Posttraumatic Growth. In: C. Franklin (Ed.), Encyclopedia of Social Work Online (ESWO), 21th Edition. NASW Press and Oxford University Press, Inc. (2014, May).

*Rodgers, S.T. (Supported by PSC-CUNY Award 43) Racism. In: C. Franklin (Ed.), Encyclopedia of Social Work Online (ESWO), 21th Edition. NASW Press and Oxford University Press, Inc. (invited/in press 2015).

Rodgers, S.T. Being of Some Service...: A New Take On The Scholarship of Engagement in Academe. In F.A. Bonner, II, C.W. Lewis, F. A., B. Lofton, & P. A. Robinson (Eds.). Priorities of the Professoriate: Engaging Multiple Forms of Scholarship Across Rural and Urban Institutions. (invited/forthcoming).

Refereed Conference Proceedings:

*Rodgers, S.T. (Supported by PSC-CUNY 40 Award). From Childhood Sexual Abuse to Spiritual Well-Being: In All Ways A Survivor. In. L. Rodgers-Rose and Z. Zai'mah (Eds.). Healing Black Women from Violence: Reclamation and Peace (2011) Conference Volume Book Chapter, 45-58.

Rodgers, S.T. Meeting the Challenges of Social Service Delivery in South Korea: A Culturally Competent Model of Solidarity and Integration. In. Meeting the Challenge of Social Service Delivery. Symposium (2011).

Selected Refereed Conference Presentations:

*Rodgers, S.T. (Supported by PSC-CUNY 40 Award). "Imani Dream: Posttraumatic Growth and Spiritual Well-Being in African-American Adult Survivors of Childhood Sexual Abuse" April 8, 2010: 42nd National Association of Black Social Workers Annual Conference, Keepers of the Village: The Role for Community Organizers in Philadelphia, PA.

Rodgers, S.T. "Unmasking Secrets of Childhood Sexual Abuse: A Historical and Social-cultural Overview of The Middle Passage to Spiritual Well-being among African-American Women " September 24, 2010: 26th International Black Women's Congress Annual

Conference, Weaved in the Fabric: A Wholistic Perspective on Violence Against Black Women in Norfolk, VA (Invited).

*Rodgers, S.T. (Supported by PSC-CUNY Adjunct Professional Development Award 2007-2008). "Exposing the Hushed Latina Immigration Experiences: The Global Reality of Refugee-like Situations in America" July 19, 2011: 4th Annual The International Global Studies Conference, Latina America and Globalization: Emerging Societies and Emancipation in Rio De Janeiro, Brazil.

*Rodgers, S.T. (Supported by PSC-CUNY 40 Award). "Historical and Socio-Cultural Overview: From Childhood Sexual Abuse to Spiritual Well-Being: In All Ways A Survivor " September 23, 2011: 27th International Black Women's Congress Annual Conference, Healing Black Women from Violence: Reclaiming Our Rightful Place in Baltimore, MD.

*Rodgers, S.T., & *Cudjoe, T.(Supported by PSC-CUNY 41 Award)"Rise Up Social Workers: From Vicarious Trauma to Posttraumatic Growth." April 4, 2012: 44 National Association of Black Social Workers Annual Conference, A New Era of Social Justice and Civil Rights in Atlanta, GA.

*Rodgers, S.T.(Supported by PSC-CUNY 42 Award)"Lived Experiences of Vicarious Trauma, Coping, and Posttraumatic Growth in Undergraduate Social Work Students Who Attend Urban Public Colleges " March 23, 2012: American Association of Blacks in Higher Education National Conference, Healthy Communities through Access, Education, Research and Collaboration in Atlanta, GA.

Lane, C. &, Rodgers, S.T. "Disparities in Mental Health Care Older Adults Receive" March 16, 2013: Teachers College at Columbia University 5th Annual Health Disparity Conference in New York, NY.

*Rodgers, S.T. (Supported by PSC-CUNY 43 Award). "Ensuring Black Women are [A]part of the Global Agenda: Perceptions of Posttraumatic Growth in the Aftermath of Historical and Contemporary Trauma" September 26, 2013: The National Association of Social Workers – South Africa, in association with the International Federation for Social Workers Voices for Development Conference in Johannesburg, South Africa.

Lane, C., Rodgers, S.T., & Austin, S. "It Takes a Village: Community Involvement in Older Adult Wellness " March 2014: Conference Paper accepted for, The Health, Wellness & Society Knowledge Community Fourth International Conference on Health, Wellness, and Society in Vancouver, Canada.

*Rodgers, S.T. (Supported by PSC-CUNY 43 Award). "You Don't Know Me...: Black Women Perceptions of Contemporary Stereotypes. April 18, 2014: The National Association of Black Social Workers 46 Annual Conference. An African Tapestry: The Blackprint for the Physical, Psychosocial and Spiritual Wellness in Indianapolis, IN.

*Rodgers, S. "Get Your Grant! PSC-CUNY Proposals in Progress (PIP) Work Session" November 20, 2014: School of Health Sciences & Professional Programs Research, Scholarly Writing & Grants Faculty Writing Workshop, York College of the City University of New York in Queens, NY. (Invited).

Education

Institution	Degree	Year(s)	Discipline
Adelphi University	PhD	1/2009	Social Work/Social Welfare

Syracuse University	MSW	1995	Social Work
Marymount College	BSW	1993	Social Work

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014-2015	Do I have a say? Stereotypic images, mentoring, and posttraumatic growth among Black female adolesce	\$3,500.00	PSC-CUNY-45 Award
2012-2013	Perceptions of Historical Trauma among African American Women	\$6,000.00	PSC-CUNY-43 Award
2011-2012	The Critical Link: Vicarious trauma and PTG sociocultural perspectives in social work	\$3,500.00	PSC-CUNY-42 Award
2010-2011	A Polit Study: Understanding vicarious trauma and posttraumatic growth in undergraduate social work	\$3,000.00	PSC-CUNY-41 Award
2009-2010	Posttraumatic growth and spiritual well-being in African-American incest survivors	\$2,500.00	PSC-CUNY-40 Award

Attachments

Description	File Name	File Size	Date Attached
Project Description	Do_I_Have_A_Say...pdf	118629	12/10/2013 5:53:29 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
		0.00	0.00

Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00	
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Domestic Travel Money is being requested for PI to travel to a professional conference, likely the Annual Conference of the National Alliance of Black School Educators (NABSE) and the National Association of Black Social Workers (NABSW). This item includes a one-time airfare, hotel accommodations, meals and NYC taxi for 3-5 days in USA for 2014-15. The location to TBA. The PI requests travel to professional conferences to present research findings. The budget items correspond to required travel as set out in the PI requirements. In determining airfare, a rough average of available, advance purchase coach tickets was estimated. The PI understands that all air travel must be in coach class. Hotel and meals information are consistent with applicable federal rates.		1000.00 0.00	1000.00
Subject Payments The PI is requesting a proposed budget of \$2,500 to cover (a)\$50 gift cards from Barnes and Nobles are being requested to provide to 50 adolescents as incentives for participation and engagement and sharing their valuable experiences in study project.		2500.00 0.00	2500.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-406	Name : Shepard, Benjamin
Rank: Associate Professor	Address :
Tenured: No	Telephone :
College: NEW YORK COLLEGE OF TECHNOLOGY	Email:
Panel: Interdisciplinary	
Discipline : Ethnic & Area Studies	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials Yes (attached to application, 2MB limit)
List of Supplementary Material Narrative
Will Interviews be Conducted? No
Department HUMAN SERVICES

Title of Proposed Project: Global Brooklyn Research Project

Brief Abstract

While it is the fourth biggest city in the United States, Brooklyn is experiencing both the benefits and limitations of its experience as a world city. While urban spaces are thought to magnify the democratic possibilities, their development tends to expand social inequalities. Yet, the people of Brooklyn have long resisted elements of the homogenization steamroller. While many revel in the borough's vast cultural history, others lament patterns of displacement, pollution, and environmental disrepair which follow patterns of uneven urban development. Throughout Brooklyn, regular people are fighting off negative dynamics of the globalization experience, including speculative gentrification, displacement, and police brutality. The battle over these transformations is a struggle over the contested nature of globalization in Brooklyn. The Global Brooklyn Research Project focuses urgently needed attention to the transforming periphery of this global city. Global Brooklyn is a first-of-its-kind study of the contestation of this space.

Relevant Publications & Scholarship

Books

Shepard, B and Smithsimon, G. (2011) The Beach beneath the Streets: Contesting New York's Public Spaces. SUNY Press.

Shepard, B. (2011). Play, Creativity, and Social Movements: If I Can't Dance, Its Not My Revolution. New York: Routledge.

Shepard, B. (2009) Queer Political Performance and Protest: Play, Pleasure, and Social Movement. New York: Routledge

Shepard, B. (2014) Community Projects as Social Activism: From Direct Action to Direct Services and Back again. Under contract with Sage.

Shepard, B and Hayduck, R. (Eds.) (2002). Eds. From ACT UP to the WTO: Urban Protest and Community Building in the Era of Globalization New York: Verso Press.

Shepard, B. (1997). White Nights and Ascending Shadows: An Oral History of the San Francisco AIDS Epidemic. London: Cassell Press.

Shepard, B. (2015, n press). Rebel Friendships. Palgrave McMillan.

Education

Institution	Degree	Year(s)	Discipline
Hunter College	PhD	2006	Social Welfare

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2013-15	The Global Brooklyn Research Project	\$6,000.00	University Committee on Research Award
2012-13	The Museum of Reclaimed Urban Space Research Project	\$5,512.00	University Committee on Research Award
2008-9	Community Projects as Social Activism: From Direct Action to Direct Services	\$6,000.00	University Committee on Research Award
2010-11	The Beach Beneath the Streets: Exclusion, Control and Play in Public Space	\$2,500.00	University Committee on Research Award

Attachments

Description	File Name	File Size	Date Attached
Project Description	global_brooklyn_research_project.do	47104	12/13/2013 12:46:06 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
			0.00

Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Independent Contractors One videographer is hired to make a film about global Brooklyn in support of the book and photographs.		1000.00 0.00	1000.00
Manuscript Preparation/ Publication Costs copy editing and production necessary for the manuscript		1000.00 0.00	1000.00
Equipment Equipment: Film/processing/scanning: 4x5 budget 100 sheets of film & Processing: \$1,000.00 30 rolls 220 \$30/roll \$900.00 scanning 20/4x5 \$600.00 Proofs/printing \$600.00 camera \$700.00 paper, 220 scanning and extraneous supplies \$200.00		4000.00 0.00	4000.00
		Total	6000.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-19 Rank: Professor Tenured: Yes College: JOHN JAY COLLEGE OF CRIMINAL JUSTICE Panel: Interdisciplinary Discipline : Ethnic & Area Studies Co-PI : Mucahit Bilici	Name : Volpe, Maria Address : Telephone : Email:
--	---

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? Yes

Department SOCIOLOGY

List of Undesirable Reviewers No

Title of Proposed Project: The Role of Religion in Kurdish-Turkish Ethnic Reconciliation
--

Brief Abstract

This research project will address the promises and challenges of an ethnic multiculturalism in a post-secular Muslim society. More specifically, this pilot project will explore the role of Islam in negotiating a settlement between the Kurds and the Turkish state. Historically, the Kurdish-Turkish relationship has been a complicated one and the Turkish state has used religion as a means of neutralizing Kurdish identity. While respectful of Islam as a religion, the Kurds have been dismayed by this use of Islam to stifle their distinctiveness. The violent confrontation between the Kurdistan Workers' Party (PKK) and Turkish state that began in the early 1980s has been halted by a historic agreement reached on March 21, 2013. The role of Islam in the ensuing peace process is becoming increasingly unavoidable and remains virtually unexamined. Through the use of focus groups and interviews of informed Kurds and Kurdish opinion-leaders in Turkey, this research will study the crucial role of Islam in the relationship between the Turkish state and the Kurdish minority population in Turkey.

Relevant Publications & Scholarship

PUBLICATIONS [from 2009-present only]

Post Disaster ADR Responses: Promises and Challenges. Fordham Environmental Law Review, (in press).

Preface and Co-Editor [with S. Fatima] Finding Islam in Tomorrow. CUNY Dispute Resolution Center, 2014.

"Police and Conflict Resolution" in The Handbook of Conflict Resolution: Theory and Practice [ed by Morton Deutsch, Peter Coleman and Eric Marcus], San Francisco: Jossey Bass, 2014.

"Police and Mediation: Natural, Unimaginable or Both" in Moving Toward a Just Peace: The Mediation Continuum [ed by Jan Fritz] Springer (The Netherlands), 2014.

"Roots of Diversity in Dispute Resolution: Preliminary Observations" [with M. Johnson] ACResolution, Vol 13, No 1 Winter 2013.

"Mediation Remains Elusive in Public Discourse Despite Its Ubiquity" Alternatives to the High Cost of Litigation, Vol. 30 No. 10 November 2012.

Co-guest Editor [with M. Johnson], Dispute Resolution Magazine, Diversity Issue: Uncovering Race in Dispute Resolution, American Bar Association, Spring 2009;

"Uncovering Race in Dispute Resolution" [with M. Johnson]. Dispute Resolution Magazine, Spring 2009.

"Mediation in Criminal Justice" Encyclopedia of Race and Crime, edited by Helen T. Greene and Shaun L. Gabbidon, SAGE, 2009.

"Negotiation Nimbleness When Cultural Differences are Unidentified" [with J. Cambria], in Rethinking Negotiation Teaching: Innovations for Context and Culture ed by C. Honeyman, J. Coben, and G. De Palo. St Paul, MN: DRI Press, 2009.

Education

Institution	Degree	Year(s)	Discipline
New York University	Ph.D.	1981	Sociology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
1/1/15-6/30/15	Mosaic of Young Urban Muslims	\$5,000.00	CUNY Diversity Projects Development Fund
7/1/14-6/30/15	Role of Religion in Kurdish-Turkish Reconciliation	\$11,987.00	PSC-CUNY
4/28//14-6/30/15	Emotional Competence	\$25,300.00	Daniel & Joanna S. Rose Fund, Inc
1/1/14-6/30/14	On Being Muslim: The Promises and Challenges of Inclusion	\$5,000.00	CUNY Diversity Projects Development Fund
1/1/14-12/30/14	Search for Common Ground - Understanding Muslims in New York City	\$2,500.00	Cottonwood Foundation
1/1/11-6/30/11	Muslims and Non-Muslims: A Campus in Conversation	\$3,000.00	CUNY Diversity Projects Development Fund
1/1/13-6/30/13	Finding Common Ground: Demystifying Muslims in New York City	\$4,500.00	CUNY Diversity Projects Development Fund
8/1/13-2/1/14	Counter Memories: Envisioning Alternatives through Peacebuilding and the Arts	\$2,000.00	United States Institute of Peace

5/30/2010-12/30/2011	The Roots of Diversity in the ADR Field	\$10,000.00	JAMS Foundation
6/1/2009-7/30/2010	The interface between private troubles and public issues: grassroots approaches to family troubles a	\$750.00	from Research Assistance Program of the Office for the Advancement of Research, John Jay College
4/1/2009-12/30/2010	The interface between private troubles and public issues: grassroots approaches to family troubles a	\$4,980.00	PSC-CUNY
5/1/2008-6/30/2009	The Roots of Diversity in the ADR Field	\$1,000.00	Research Assistance Program of the Office for the Advancement of Research, John Jay College

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	BudgetJustification.doc	23552	12/13/2013 12:30:37 PM
Project Description	Volpe_Bilici_PSCCUNY.doc	47104	12/13/2013 12:31:35 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Digital recorders are needed to record the focus group sessions and the interviews, \$150 each x 2 = \$300. Flash drives to store interview data, \$100		400.00 0.00	400.00
Subject Payments Twenty graduate students will be paid \$25 each for participating in focus groups for a total of \$500. Twelve Kurdish opinion leaders will be paid \$50 each for 1 hour interviews for a total of \$600.		1100.00 0.00	1100.00
Research Staff Transcription of focus group and individual interviews, 75 hours x \$25/hr = \$1,905 Fringe benefits \$1,905 x 9.5 = \$ 180.50	Fringe Benefit Expense MTA Payroll Tax	1905.00 187.46	2092.45
Foreign Travel Travel from NYC to Istanbul: Air \$1200.00 per person round trip X 2= \$2400, Ground to/fr NYC and Istanbul airports \$ 450 per person x 2 = \$900; Local travel in Istanbul to meet with research subjects and visit public and private archives for documents, \$300 per person x 2 = \$600; Accommodations and per diem in Istanbul 250.00 per person x 9 days = \$4,500 Justification: airfare is needed for both researchers to convene focus groups and conduct individual interviews with research subjects. We will search for documents on the Kurdish and Turkish peace process needed for this research in numerous public and private archives that require in person visits to the archives that house them.		8400.00 0.00	8400.00
		Total	11992.45

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-45	Name : Liu, Wen
Rank: Other	Address :
Tenured: No	Telephone :
College: GRADUATE SCHOOL	Email:
Panel: Interdisciplinary	
Discipline : Interdisciplinary Studies	
Co-PI : Michelle Fine	

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? Yes
Department PSYCHOLOGY
List of Undesirable Reviewers No

Title of Proposed Project:

On the Grounds of Transnational LGBTQ Movements in the US, Taiwan, and China: Public Archive, Psychological Wellbeing, and Activist Expertise

Brief Abstract

This project examines the political and discursive formations of transnational LGBTQ movement and how it impacts mental health within and across the US, Taiwan, and China. Through archiving, this project aims to map the landscape of shifting LGBTQ movements and transnational alliances after the repeal of the Defense of Marriage Act (DOMA) in the US this year. As studies have suggested that human rights policies have positive impacts on LGBTQ populations' mental health in the US, through multinational online survey, this study aims to systematically analyze the psychological wellbeing of LGBTQ communities in these three countries that have varied degrees of legal recognition of LGBTQ rights. This research project is socially and politically significant because it can be the first multinational study on LGBTQ communities and health across the US, Taiwan, and China that links human rights, mental health and sexuality movements across countries with varied political formations.

Relevant Publications & Scholarship

Education

Institution	Degree	Year(s)	Discipline
-------------	--------	---------	------------

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
--------	-------	--------	----------------

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Liu_Bud_Just_CUNY.pdf	37565	12/12/2013 11:35:50 AM
Project Description	Liu_Proposal_CUNY.pdf	52542	12/12/2013 11:36:16 AM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Online survey host website fees (e.g. Survey Money): \$20 per month for 20 months, archival website hosting service fees for 20 months (approximately \$100), and 1 TB external hard drive (\$100)		600.00 0.00	600.00
Foreign Travel NYC-Taiwan round-trip: \$1,500, and Taiwan-China round-trip: \$800		2300.00 0.00	2300.00
Research Staff Dr. Michelle Fine's time in the project will be in kind. The co-PI, Wen Liu, has an Enhanced Chancellor Fellowship to work on gathering materials for the public archive. We are applying for the grant largely to recruit a research team that can conduct, distribute, and analyze the online survey. The research Staff budgets consist of: research assistants for translating survey and interview materials to Chinese (20 hours), transcribing and translating 30 interviews (150 hours), analyzing survey and interview data (120 hours), and organizing archival information on the website (120 hours), total of 410 hours at 20 / hours = \$8,200 (with additional 9.84% of fringe benefits for graduate student assistants \$806.00 = \$9,006.88	Fringe Benefit Expense MTA Payroll Tax	8200.00 806.88	9006.88
		Total	11906.88

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-719 Rank: Professor Tenured: Yes College: HUNTER COLLEGE Panel: Law & Criminal Justice, Sociology, Urban Studies Discipline : Urban Studies Co-PI :	Name : Mizrahi, Terry Address : Telephone : Email:
--	---

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department SOCIAL WORK

Title of Proposed Project:

PROPOSAL: EDUCATING FOR SOCIAL CHANGE: THE IMPACT OF AN INNOVATIVE INTERDISCIPLINARY COMMUNITY ORGANIZING COURSE ON HUNTER STUDENTS' CAREER AND CIVIC PURSUITS- A FOLLOW UP STUDY FROM 1998-2013

Brief Abstract

This proposal is to conduct a follow up study on the impact of an undergraduate Interdisciplinary Introductory Course in Community Organizing and Development (C.O.D) on 800+ students. The Course was given 22 times from 1998-2013 to a diverse group of upper class Hunter students. This study will examine the outcomes of the Course related to these former students' values, attitudes, and self-reported behavior on measures of social activism, civic engagement and career paths. Such a longitudinal cohort study of "alums" over a 19 year period is rare (Hampton, 2001). Hence: 1) this research will contribute to the literature on the short and long term outcomes of a participatory classroom and field course for social activism and organizing.

Relevant Publications & Scholarship

AWARDS

2013-Co-Chair, Special Commission to Advance Macro Practice in Social Work
 2012: Special Presenter- Invited National Symposium on Status of community Organizing. University of Michigan. "Community Organizing, Planning, Development and Changing: Linking Research to Practice."
 2010- Margo Schutz Gordon Invited Special Lecturer. "Social Work Leadership: Linking Clinical and Community Practice," Kansas City School of Social Welfare.
 2008- Hunter College Presidential Award for Excellence in Applied Scholarship

BOOKS

- From Residency to Retirement: Career Paths of Physicians over a Professional Lifetime (FROM PSC-CUNY NOW under contract with Rutgers University Press, 2014).
- Co-Editor-in-Chief. Encyclopedia of Social Work-20th edition (Oxford UP and NASW Press), 2008

ARTICLES, PAPER, REPORTS, CHAPTERS

- Balancing Micro and Macro Practice: A Challenge for Social Work (with Jack Rothman). Accepted for publication. *Social Work*, 2014.
- Student perspectives on social activism and goals of the social work profession before and after completing a graduate social work program. *Journal of Social Work Education*. Fall 2013 (with SJ Dodd).
- Mizrahi, Terry (2012) How I Became A Community Organizer as a Casework Social Work Student. *Social Work Matters*. NASW Press.
- A collaboration between social workers and physicians. Revised and updated. Chapter in Fortune, A. Ed. *Qualitative Research in Social Work-2nd Edition*. Columbia University Press, 2012 (with Julie Abramson)
- Coalitions, Collaborations, and Partnerships: Interorganizational models of social change. *Handbook of Community Practice – 2nd edition* (with B. Rosenthal and J. Ivery) (2011).
- Professional identity and Interdisciplinary community collaboration: A comparison of six professions. Submitted to *Journal of Interprofessional Care* (Feb. 2011) with MB Smith, Y. Korazim, and M. Garcia) [FROM CUNY RESEARCH COLLABORATIVE]
- Interdisciplinary collaboration in social work education in U.S., Israel and Canada. *International Social Work*, 2010 53(4), 457-473 (with Bronstein, McPhee and Korazim)
- Education for interdisciplinary community collaboration and development: The components of a Core Curriculum by Community Practitioners. *Journal of Teaching in Social Work*, (2010) (with M.L. Garcia and M. Bayne-Smith), 30 (2), 175-194.[FROM PSC-CUNY]
- Factors in Physician Satisfaction over Time: A Longitudinal Study of Changing Professional Perspectives and Practice Frameworks from 1979 to 2004. Submitted to *Social Science and Medicine*, 2009 (with Kaufer and Zelnick). [FROM PSC-CUNY]
- Forward: The work and contributions of social work plus Chapter “Health Care sector: Critical Issues.” In J. Rosenberg, Ed. *Working in Social Work: The Real Guide to Practice Settings*. NY: Routledge-Taylor & Francis Group, 2009.
- The social construction of client participation: The evolution and transformation of the role of service recipients in child welfare and mental disabilities (with M. Humphries & D. Torres.) *Journal of Sociology and Social Welfare*. 36 (2), 2009, 35-81.
- Comparative perspectives on interdisciplinary community collaboration from academia and practitioners (with M.Bayne-Smith & M. L. Garcia). *Community Development: The Journal of the Community Development Society*, 39 (3), 2009, 1-15.[FROM PSC-CUNY]
- Interdisciplinary Community Collaboration (ICC): Perspectives of community practitioners on successful strategies (with M.Bayne-Smith & M. Garcia). *Journal of Community Practice* 16 (3), 2008, 249-269. [FROM PSC-CUNY]
- Basic Community Organizing Principles and Practice Guidelines –Article Revised. For Second Edition. *Social Workers’ Desk Reference*. Oxford University Press, 2008 pg.872-881.
- Perspectives on the Roles and Values of Social Work in Neighborhood Health Centers

(with V. Rizzo). Social Work in Public Health, 23 (6), 2008.

• Health Care Reform (with S. Gorin).in Encyclopedia of Social Work-20th edition. NASW and Oxford University Presses, 2008

• An Evaluation and Future Directions Study of the Providers of Health Care for the Homeless (PHCH) Coalition. Report 2008.

Education

Institution	Degree	Year(s)	Discipline
New York University	BA	1963	sociology-psychology
Columbia University	MA	1966	social work
University of Va.	Ph.D.	1983	sociology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2012-2013	CUNY Workforce Development Initiative for Community Organizing	\$14,000.00	CUNY WDI Program
2008-2009	A Qualitative Study of Interdisciplinary Community Collaboration among Professionals in Health	\$38,000.00	CUNY Research Collaborative
2007-2008	" Is there a " Gendered Way of Organizing: A Comparative Study of Male and Female Organizers	\$4,000.00	PSC-CUNY
Fall 2000	"A Teleconference Exchange on Community Organizing and Action Research between CUNY & University of	\$4,000.00	CUNY-FDA Faculty Development
2001-2003	" A Continuing Longitudinal Study of the Career Development of Physicians	\$6,000.00	PSC-CUNY
2002	"Development of A Women Organizers Curriculum and Training Project.",	\$4,000.00	CUNY Diversity Fund
2003-2005	"The Role of Professionals in Interdisciplinary Community Collaboration	\$3,700.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	TRADA_45_719;_Project_Description.p	36137	12/18/2013 12:48:50 PM

Budgets

			Requested
--	--	--	-----------

Description			Amount
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Clerical Staff This person would assist the research assistant with the clerical and record keeping aspect of the data--follow up returns, etc.	Fringe Benefit Expense MTA Payroll Tax	300.00 29.52	329.52
Research Supplies This item includes cost of postage for approx. 800 mailers @ 0.47 and envelopes @ 4 75.00		451.00 0.00	451.00
Research Staff The Research Assistant will be responsible for managing the data base to include developing and implementing the various media strategies to locate the alums of the course; 2) assist in the coding and analysis of the quantitative and qualitative data from the survey monkey.	Fringe Benefit Expense MTA Payroll	2400.00 236.16	2636.16

	Tax		
		Total	3416.68

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-748 Rank: Professor Tenured: Yes College: KINGSBOROUGH C.C Panel: Interdisciplinary Discipline : Ethnic & Area Studies Co-PI :	Name : Walters, Barbara Address : Telephone : Email:
---	---

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials Yes (attached to application, 2MB limit)

List of Supplementary Material Sample Questions

Will Interviews be Conducted? Yes

Department BEHAVIORAL SCIENCE

Title of Proposed Project: Comparative Study of Islamic Students
--

Brief Abstract

The proposed research project seeks to provide preliminary data on the adjustment and satisfaction of Islamic students at the City University of New York and at other institutions using qualitative interviews for a sample of 50 students across CUNY campuses. The investigator has concrete plans to partner with and to provide emendations and data for a comparative study currently in a pilot stage at Brigham Young University, as recently reported by Huntington and Hopkin (2013). The partnership provides a unique opportunity to examine the effects of religiosity, supportive or conflicting cultural contexts and institutional support on student satisfaction and adaptation.

Relevant Publications & Scholarship

SCHOLARLY RESEARCH ARTICLES AND REVIEWS

Walters, Barbara R. 2013. The Sociology of Religion: A Critical Agenda, by Grace Davie. Journal of Implicit Religion Vol. 15. No. 1. Book Review

Walters, Barbara R. 2012. Laureata plebs fidelis: A Victorine Sequence from the Feast of Corpus Christi in Thirteenth-Century Liège. Ed. Ann Buckley and Cynthia J. Cyrus. Music, Dance and Society: Medieval and Renaissance Studies in Memory of Ingrid G. Brainard. Kalamazoo, MI: Medieval Institute.

Walters, Barbara R. 2008. Shaping a Monastic Identity: Liturgy and History at the Imperial Abbey of Farfa, 1100-1125, by Susan Boynton. Implicit Religion: Journal of the C.S.I.R.C.S. Vol. 11, No. 2 Book Review.

CONFERENCE PAPERS – SCHOLARLY AND RESEARCH (last ten years)

Walters, B. 2013. Liturgy as Implicit and Explicit Religious Vision. Annual Meeting of the Association for the Sociology of Religion, New York, New York.

Walters, B. 2013. Liturgy as Implicit and Explicit Religious Vision. Denton Conference, Ilkley, UK.

Walters, B., Ivan Araque, and Staci Murphy. 2012. Commemorating 9-11: A Civil Liturgical Moment. 2012 Denton Conference, Ilkley, UK.

Walters, B. and Marco Castro. 2012. Commemorating 9/11: Secularization, Sacralization and Implicit Religion in Downtown Manhattan. Annual Meeting of the Eastern Sociological Association, New York, NY.

Walters, B. 2010. Communities in Crisis and Congregational Responses. Religious Research Association, Baltimore, MD.

Walters, B. 2009. Author Meets Critic, Vatican II: A Sociological Analysis of Religious Change by Melissa J. Wilde. Princeton: Princeton University Press. Eastern Sociological Society. Baltimore, MD.

Walters, B. 2009. Early Music Reception: A Sociological Analysis. Eastern Sociological Society. Baltimore, MD.

Walters, B. 2009. Auctoritas: The Question of Authorship. International Congress of Medieval Studies, Kalamazoo, MI.

Walters, B. 2008. Liturgist for the Secular Church: Juliana of Mont Cornillon. Annual Forum on Medieval and Renaissance Studies. Plymouth, NH: Plymouth College.

Walters, B. 2008. Cultures of Inquiry in the Reconstruction of Medieval Liturgy. Association for the Sociology of Religion Annual Meetings. Boston, MA.

Education

Institution	Degree	Year(s)	Discipline
SUNY-Stony Brook	Ph.D.	1978	Sociology
SUNY-Stony Brook	M.A.	1996	Musicology
SUNY-Stony Brook	M.A.	1973	Sociology
Vanderbilt University	B.A.	1970	Psychology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2013	High Impact Practices: Engagement and Retention	\$3,500.00	PSC-CUNY
2010	Downtown and Bushwick: Contrasting Neighborhoods	\$2,500.00	PSC-CUNY
2008	Teaching and Learning in the 21st Century	\$4,000.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	Comparative_Study_of_Islamic_Studen	38400	12/16/2013 11:34:52 AM
Supplementary Material	The_Muslim_Students_at_Brigham_Youn	130434	12/15/2013 8:52:27 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Subject Payments 50 subjects to be paid \$20 each for one-hour interviews.		1000.00 0.00	1000.00
Research Staff Research assistants are needed to conduct interviews.	Fringe Benefit Expense MTA Payroll Tax	2275.00 223.87	2498.86

		Total	3498.86
--	--	-------	---------

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-426 Rank: Associate Professor Tenured: Yes College: HUNTER COLLEGE Panel: Law & Criminal Justice, Sociology, Urban Studies Discipline : Urban Studies Co-PI :	Name : McCormick, Lynn Address : Telephone : Email:
--	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department URBAN AFFAIRS AND PLANNING

Title of Proposed Project: State Housing Initiatives Serving the Intellectually/Developmentally Disabled
--

Brief Abstract

I am requesting \$4,248 from the cycle 45 PSC-CUNY grant program (Traditional B) to support my research into state housing programs for intellectually/developmentally disabled (ID/DD) adults, including those with an autism spectrum disorder (ASD). While those in the disability field have recognized a growing housing crisis among this population, housing policymakers and urban planners have largely ignored the situation. PSC-CUNY grant funds would allow me a course release to carry out a survey of state housing authorities and what they are doing (or not) to stem the crisis. This information should prove helpful to disability activist organizations (e.g., New York Collaborates for Autism) as well as prod urban planning scholars into investigating this issue.

Relevant Publications & Scholarship

RECENT PUBLICATIONS

Forthcoming. The City and Industry: Deurbanizing Manufacturing in New York City? Lynn McCormick, in The Handbook of Manufacturing Industries in the World Economy, John R. Bryson, Jennifer Clark & Vida Vanchan, Eds.

2012. In the Interest of Business: Business Associations and Workforce Development Collaborations, by Edwin Melendez, Josh Hawley and Lynn McCormick, International Journal of Business and Social Science, vol. 3, no. 1, January.

2011. Urban Climate Change Plans: How Holistic? by Donovan Finn and Lynn McCormick, Local Environment, 16:4, 397-416.

OTHER PUBLICATIONS

2012. A Role for Manufacturing in the Real Estate Capital of the World? Furniture and Apparel in New York City, by Lynn McCormick with Efrain Borrero, Samantha Imperatrice

and Rupesh Manglavi, Progressive Planning, No. 190, Winter.

2010, New York Chinatown's Food-related Cluster, by Lynn McCormick, Rui Mao & Yichen Tu, Policy Paper for the Coalition to Protect Chinatown and the Lower East Side

2009, Chinatown and the Lower East Side Community Plan: Strategic Choices, by Lynn McCormick, Tarry Hum, Donovan Finn, Lovaeta Amoako, Vinroy Bell, Julie Gonzalez, Steve Grillo, Rui Mao, Kylie Murphy, Jonathan Pimentel, Sharima Singh, Adam Stoltz, & Barak Wrobel, Policy Paper for the Coalition to Protect Chinatown and the Lower East Side.

PRESENTED WORK

2013. "Where are the White Poor: Race, Class, and Space," by Sigmund Shipp, Lynn McCormick * Mary Rocco, Paper presented at the 2013 Urban Affairs Association Conference (April 3-6), San Francisco, CA.

2012. "Manufacturing for Local Consumption: Furniture Production in NYC," paper presented at the Association of American Geographers Annual Meeting, New York City, February 28.

2011. "The Changing Face of Poverty," by Sigmund Shipp, Lynn McCormick and Mary Rocco, presented by Sigmund Shipp and Mary Rocco at the Association of Collegiate School of Planning conference, Salt Lake City, Utah, October 14.

2009. "Are Green Plans Good Enough? Analyzing the Economic and Social Impacts of Urban Environmental Initiatives," by Donovan Finn & Lynn McCormick, Association of Collegiate Schools of Planning, 50th Anniversary Annual Conference, Arlington, Virginia, October 1-4.

OTHER EXPERIENCE

2004-2010, Director, Graduate Program in Urban Planning, Dept. of Urban Affairs & Planning, Hunter College

Education

Institution	Degree	Year(s)	Discipline
Massachusetts Institute of Technology	Ph.D	1996	urban & regional planning

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2013	Literature Review of Support Needs of Adults with ID/DD	\$4,500.00	Hunter College Administration
2012-13	Investigating the Urban Planning Field's Engagement with Special Needs and Autistic Populations	\$2,000.00	George N. Shuster Faculty Fellowship Fund for Student Assistance
2012	Research Assistance on GIS	\$1,000.00	President's Fund for Faculty Advancement
2008-2009	Are Green Plans Good Enough? Analyzing the Economic and Social Impacts of Urban Environmental Initia	\$10,000.00	Lincoln Land Institute

Attachments

Description	File Name	File Size	Date Attached
Project Description	McComick_PSC_CUNY_Traditional_B_pro	462268	12/15/2013 1:15:59 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
		0.00	

Subject Payments		0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time I plan to use the course release in the Fall 2014 semester. I will use this time to conduct the research. I will then write an article during the Spring semester for publication targeted to a housing policy/urban planning journal. As mentioned, I am requesting \$4,248 for a course release. From my past experience with the literature review, time to conduct research is the most critical support I, as a faculty member, can obtain to complete this project in a timely manner. I hope this initial research project will allow me to create a longer term research agenda around how urban planners can assist disability specialists to create quality supports, including housing, for adults with ID/DD.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	4248.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-464 Rank: Professor Tenured: No College: CUNY LAW SCHOOL - QUEENS COLLEGE Panel: Law & Criminal Justice, Sociology, Urban Studies Discipline : Law & Criminal Justice Co-PI :	Name : Bratspies, Rebecca Address : Telephone : Email:
--	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials Yes (attached to application, 2MB limit)

List of Supplementary Material project description

Will Interviews be Conducted? No

Department LAW

Title of Proposed Project: Tales from the Trash: Law Regulation and Participatory Democracy in Belize

Brief Abstract

This project examines how legal rhetoric shapes the transformation of Belize's waste handling practices. As population growth and urbanization reveal the formerly hidden costs of traditional waste disposal practices, waste handling becomes a critical question of public health and welfare. In response, Belize sought international financial assistance to construct a modern sanitary landfill.

Because tourism is at the heart of Belize's economy, the expectations of wealthy tourists from the United States and Europe both create large portions of Belize's waste problems and at the same time provide impetus for resolving those problems. My investigation of the negotiations that culminated in the construction of Belize's first sanitary landfill, as well as the social narratives that surround issues of waste generation in Belize will focus on how concerns for protecting tourist sites, most notably the Meso-American coral reef, shaped Belize's social discussion about costs and benefits associated with investing in modern waste handling technologies.

Relevant Publications & Scholarship

Lionfish as a Metaphor for Governance in an Era of Climate Change, forthcoming New York Law Review (forthcoming 2014)(resulted from PSC-CUNY funding)

Sustainability is the Answer, Now What Was the Question?, in RETHINKING SUSTAINABILITY TO MEET THE CLIMATE CHANGE CHALLENGE (forthcoming Environmental Law Institute 2014)

Arctic Governance Through A Human Rights Lens, in DIPLOMACY ON ICE (forthcoming Yale Press 2014)

The Green Economy Will Not Build The Rule of Law for Nature, in THE RULE OF LAW FOR NATURE (Hans-Christian Brugge & Christina Voigt, eds., Cambridge University

Press 2013)(resulted from PSC-CUNY funding)

Is Anybody Regulating? The Curious Case of GMO Governance in the United States, 37 Vermont Law Review 923 (2013)

International Environmental Law: Liability and Implementation Mechanisms in Cases of Human-Made Disasters, 55 German Yearbook of International Law 175 (2013)

Marine Environmental Law: UNCLOS and Fisheries in ROUTLEDGE HANDBOOK OF INTERNATIONAL ENVIRONMENTAL LAW (Erika J. Terecha et al., 2012)

The Vexing Relationship between Environmental Protection and Global Trade, in THE CREATION OF INTERNATIONAL LAW (Cecilia M. Bailliet, ed.)(2012)[resulted from PSC-CUNY funding]

Food, Hunger and Technology, 8 Law Culture and Humanities 1 (2012)

Human Rights and Environmental Regulation, NYU Environmental Law Journal (2011) [resulted from PSC-CUNY funding]

Using Human Rights to Improve Environmental Regulation, 38 Georgia Journal of International Law 649 (2010)[resulted from PSC-CUNY funding]

Regulatory Blowout: How Regulatory Failures made the BP Disaster Possible (with multiple co-authors), Center for Progressive Reform Working Paper 1007 (October, 2010)

From Ship to Shore: Reforming the National Contingency Plan to Improve Protections for Oil Spill Cleanup Workers (with multiple co-authors) Center for Progressive Reform Working Paper 1006 (October, 2010)

Regulatory Trust. 51 Arizona Law Review 554 (2009)

Biotechnology, Sustainability and Trust, 18 Kansas Journal of Law & Public Policy 273 (2009)

Human Rights and Arctic Resources: Lessons from Belize's Human Rights Jurisprudence, 15 Southwestern Journal of International Law 251 (2009)[resulted from PSC-CUNY funding]

PROGRESS IN INTERNATIONAL LAW (edited with Russell Miller) (Martinus Nijhoff 2008)

Reconciling the Irreconcilable: Progress Toward Sustainable Development, in PROGRESS IN INTERNATIONAL LAW (R. Miller and R. Bratspies eds.) (Martinus Nijhoff 2008)

Farming the Genetically Modified Seas—The Perils and Promise of Transgenic Aquaculture, in THE INTERNATIONAL GOVERNANCE OF FISHERIES ECOSYSTEMS: LEARNING FROM THE PAST, FINDING SOLUTIONS FOR THE FUTURE (B. Taylor, M. Schechter and N. Leonard eds.) (2008)

Environmental Constitutionalism, in COMPARATIVE CONSTITUTIONALISM AND RIGHTS: A GLOBAL PERSPECTIVE (P. Andrews ed.) (2008)

Can Transgenic Fish Save Fisheries? in GLOBALIZATION: EFFECTS ON FISHERIES RESOURCES (B. Taylor and M. Schechter eds.) Cambridge University Press (2007)

The American Approach to Regulating Genetically Modified Organisms, 16 Kansas Journal of Law & Public Policy 393 (2007)

Rethinking Decisionmaking in International Environmental Law: A Process-Oriented Inquiry into Sustainable Development, 32 Yale Journal of International Law 363 (2007)

The New Discovery Doctrine: Some Thoughts on Property Rights and Traditional Knowledge, 31 American Indian Law Review 315 (2007)

Glowing in the Dark: How America's First Transgenic Animal Escaped Regulation, 6 Minn. J. L. Sci. & Tech. 457(2005)

Organs of Society: A Plea for Human Rights Accountability for Environmental Crimes, 7 Mich. State J. Int'l L. (2005)

Consuming (F)ears of Corn: Public Heath and Biopharming, 30 Am. J. L. & Med. 550 (2004)

Environmental Constitutionalism, in COMPARATIVE CONSTITUTIONALISM AND RIGHTS: A GLOBAL PERSPECTIVE (P. Andrews ed.) (forthcoming Spring 2007)

The Trail Smelter Arbitration's (semi)Precautionary Legacy, in TRANSBOUNDARY HARMS IN INTERNATIONAL LAW: LESSONS FROM THE TRAIL SMELTER ARBITRATION, (R. Bratspies and R. Miller eds.) (Cambridge University Press 2006)

Can Transgenic Fish Save Fisheries? in GLOBALIZATION: EFFECTS ON FISHERIES RESOURCES (B. Taylor and M. Schechter eds.) Cambridge University Press (2006)

Glowing in the Dark: How America's First Transgenic Animal Escaped Regulation, 6 Minn. J. L. Sci. & Tech. 457(2005)

Organs of Society: A Plea for Human Rights Accountability for Environmental Crimes, 7 Mich. State J. Int'l L. (2005)

Consuming (F)ears of Corn: Public Heath and Biopharming, 30 Am. J. L. & Med. 550 (2004)

Education

Institution	Degree	Year(s)	Discipline
Wesleyan University	BA	1987	Biology
University of Pennsylvania	JD	1992	Law

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2007-2009	Research Grant	\$5,000.00	PSC-CUNY
2002-2003	Provost Law Initiative Grant	\$15,000.00	University of Idaho
2004-2005	Faculty Scholarship Assistance Grant	\$2,600.00	CUNY LAW PDC
2003-2004	Seed Grant	\$8,000.00	University of Idaho

2004		\$2,000.00	Idaho Humanities Council
2005-06	Faculty Scholarship Assistance Grant	\$2,500.00	CUNY LAW PDC
2006-07	Faculty Scholarship Assistance Grant	\$2,460.00	CUNY LAW PDC

Attachments

Description	File Name	File Size	Date Attached
Project Description	Belize_trash_proposal.final.docx	47613	12/15/2013 2:28:39 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel air fare to Belize: \$700 car rental (with required insurance) \$1500 hotel and food 2 wks per diem \$2926 (\$209/day) visa/entry fees/guides \$350 Belize research permit \$200 copying fees \$100 phone fees--service in Belize and necessary chip \$100		5876.00 0.00	5876.00
		Total	5876.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-9	Name : Gould, Kenneth
Rank: Professor	Address :
Tenured: Yes	Telephone :
College: BROOKLYN COLLEGE	Email:
Panel: Law & Criminal Justice, Sociology, Urban Studies	
Discipline : Sociology	
Co-PI :	

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? Yes
Department SOCIOLOGY
List of Undesirable Reviewers No

Title of Proposed Project:

How Do Oil and Ecotourism Mix?: The Impacts of Oil Discovery on Environment and Development Dynamics in Belize

Brief Abstract

This project examines the extent to which economic opportunity generated from intact ecosystems through ecotourism development provides sufficient incentive to preclude competing extractive development. Rising global demand incentivizes ever more “extreme” oil drilling in ecologically sensitive locations. Recent oil discoveries in Belize afford a unique opportunity to examine the socio-environmental political dynamics of sustainable development in a country heavily dependent on ecotourism revenues. Interviews in Belize will focus on: 1) how the ecotourism sector and environmental protection NGOs have responded and continue to respond to the discovery of oil, 2) the extent to which the ecotourism sector views oil development as a threat to their economic interests, 3) how relationships have changed among the ecotourism private sector, environmental NGOs and the state’s ecotourism and environmental protection bureaucracy 4) the conflicts and coalitions that have emerged, and 5) to assess the outcome in terms of Belize’s future development trajectory and environmental protection regime.

Relevant Publications & Scholarship

Books:
Ten Lessons in Introductory Sociology. Edited with Tammy L. Lewis. Oxford University Press, 2014.

Thirty Readings in Introductory Sociology. Edited with Tammy L. Lewis. Oxford University Press, 2013.

Twenty Lessons in Environmental Sociology. Edited with Tammy L. Lewis. Oxford University Press, 2009. (2nd Edition forthcoming, 2014).

Book Chapters:

"Global Dynamics" in Ten Lessons in Introductory Sociology. Edited by Kenneth A. Gould and Tammy L. Lewis. Oxford University Press, 2014.

"The Sociological Imagination" in Ten Lessons in Introductory Sociology. Edited by Kenneth A. Gould and Tammy L. Lewis. Oxford University Press, 2014. With Tammy L. Lewis.

"The Environmental Injustice of Green Gentrification: The Case of Brooklyn's Prospect Park" in The World in Brooklyn: Gentrification, Immigration, and Ethnic Politics in a Global City. Judith DeSena and Timothy Shortell, editors. Lexington Books. 2012. With Tammy L. Lewis.

Introduction for "Santa Clara County v. Southern Pacific Railroad." People, Power and Politics. Eds. Gaston Alonso, et al. New York: Pearson. 2011.

"Transnational Social Movements." International Studies Encyclopedia. Denmark, Robert A. Blackwell Publishing. 2010. With Tammy L. Lewis.

"The USA PATRIOT Act and the Future of U.S. Social Movements" in Anti-Terrorism: Security and Insecurity After 9/11. Sandra Rollings-Magnusson, editor. McGill-Queens University Press. 2009. With Patrice LeClerc.

"An Introduction to Environmental Sociology" in Twenty Lessons in Environmental Sociology. Kenneth A. Gould and Tammy L. Lewis, editors. Oxford University Press, 2009. With Tammy L. Lewis.

"Technological Change and the Environment" In Twenty Lessons in Environmental Sociology. Kenneth A. Gould and Tammy L. Lewis, editors. Oxford University Press, 2009.

"The paradoxes of Sustainable Development: Focus on Ecotourism" in Twenty Lessons in Environmental Sociology. Kenneth A. Gould and Tammy L. Lewis, editors. Oxford University Press, 2009. With Tammy L. Lewis.

"Conclusion: Unanswered Questions and the Future of Environmental Sociology" in Twenty Lessons in Environmental Sociology. Kenneth A. Gould and Tammy L. Lewis, editors. Oxford University Press, 2009. With Tammy L. Lewis.

Peer Reviewed Journal Articles:

"The Collaborative Dialogue Panel: Changing the Model of the Professional Sociology Conference" in Societies Without Borders. 7 (4): 364-371. 2012.

Education

Institution	Degree	Year(s)	Discipline
University of Michigan	BGS	1984	General Studies
Northwestern University	MA	1986	Sociology
Northwestern University	Ph.D.	1991	Sociology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
--------	-------	--------	----------------

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Gould_PSC_Budget.pdf	74394	11/7/2013 3:50:50 PM
Project Description	Gould_PSC_app.pdf	114282	11/7/2013 3:31:40 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
		0.00	

Domestic Travel		0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
<p>Manuscript Preparation/ Publication Costs</p> <p>Other expenses: I will be conducting about 16 formal interviews in addition to the interviews conducted while on the site visits. The interviews conducted for the project are expected to be between 1 to 2 hours in length. Estimating that each is 90 minutes long, I will have approximately 30 hours of tape to transcribe. The rates per minute at a competitively priced service (http://www.thescribecollective.com/transcription-rates/) is \$1.40 per minute. Transcription services estimate: 1800 minutes x \$1.40 = \$2,520</p>		2520.00 0.00	2520.00
<p>Foreign Travel</p> <p>The research will be conducted in July of 2014. Research in the “low season” reduces costs. Research prior to the onset of the August through October hurricane season reduces the chances of the research being disrupted by severe weather events (a very significant risk in Belize). This is my first application for internal research funding since my employment with CUNY. Proposed Itinerary July 7: depart NY for Belize City (air) July 8-11: Belize City – interviews with Belize Audubon Society, Programme For Belize, Association of Protected Areas Management, Organizations, Belize Coalition to Save Our National Heritage, Belize Alliance of Conservation NGOs, Belize Tourism Industry Association. July 12: depart Belize City for Belmopan (car) July 13-18: Belmopan and Cayo District – interviews with ecotourism entrepreneurs in and around Spanish Lookout and Never Delay. Interviews with Ministry of Natural Resources and Environment, Ministry of Tourism, Belize Institute for Environmental Law and Policy. Field observation of Spanish Lookout and Never Delay oil development sites. July 19: depart Belmopan for San Pedro Town (car and boat) July 20-27: San Pedro Town and Cayes and Atolls in and around marine protected reserves – Interviews with Ambergris Caye Citizens for Sustainable Development, Caye Caulker Youth Environmental Club, Forest and Marine Reserve Association of Caye Caulker, Turneffe Atoll Trust, Green Reef Environmental Institute, Southern Environmental Association. Interviews with ecotourism entrepreneurs. July 28: depart San Pedro Town for New York (boat and air) Proposed Budget Airfare: There’s currently tremendous variation in airfare for the proposed dates. An Orbitz search shows most flights around \$800, with a range of \$676 to \$876, plus one for \$2,118. Based on this information, I request \$776 for airfare. Rental Car: Travel within Belize is improving, but remains challenging, especially to the remote areas where oil development intersects with ecotourism developments. To travel from Belize City to Belmopan, and then use Belmopan as a base to conduct research in the more rural regions of the Cayo District, a rental car will be cheaper and more reliable than attempting to convince cab owners to push through down muddy, two-track paths. (I have Land Rover off-road training</p>		5627.00 0.00	5627.00

certification, and some experience getting in and out of rough terrain in Belize and elsewhere). I will rent the smallest cheapest available 4WD vehicle available. Car rental for 1 week = \$491 Per diem: The U.S. Department of State per diem for Belize City is \$209/day; for Belmopan \$239, and for Belize "other" it is \$209. The exchange rate is pegged to the \$US at 2:1 and so will not fluctuate. I will be lodging in Belmopan for 6 nights and Belize City and "other" for 15 days. I believe that I will be able to stay under this rate. However, since it is difficult for me to determine some of the travel costs between locations (such as private water-based transportation that I will need to negotiate to the cayes and atolls), I plan to use this per diem rate and include my non-rental car in-country transportation within the per diem request. Belmopan = 6 x 239 = \$1,434 Other = 15 x 209 = \$2,926 Total in country per diem = \$4,360 Supplies: I can borrow a digital recorder from the Sociology Department. I own a professional quality camera.			
		Total	8147.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-251 Rank: Assistant Professor Tenured: No College: MEDGAR EVERS COLLEGE Panel: Mathematics Discipline : Mathematics Co-PI :	Name : Sussan, Joshua Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department MATHEMATICS

Title of Proposed Project: Categorification in representation theory and topology

Brief Abstract

The Reshetikhin-Turaev invariant of tangles and its extension to a 3-manifold invariant comes from the representation theory of quantum groups. The goal of categorification is to lift this setup to an invariant of 4-manifolds via categories of Harish-Chandra bimodules.

A homological colored tangle invariant for generic values of the quantum parameter will be constructed. There will also be categorifications of special cases of a tangle invariant but for values of the quantum parameter which are roots of unity. This requires the development of generalizations of dg algebras.

Relevant Publications & Scholarship

Publications

Joshua Sussan, Category O and $sl(k)$ link invariants, math.QA/0701045.

Joshua Sussan, Positivity and the canonical basis of tensor products of finite-dimensional irreducible representations of quantum $sl(k)$, arXiv:0804.2034.

David Hill, Jon Kujawa, Joshua Sussan, Degenerate Affine Hecke-Clifford Algebras and Type Q Lie Superalgebras, Math. Z (268) (2011) 1091-1158, arXiv:0904.0499.

David Hill, Joshua Sussan, The Khovanov-Lauda 2-category and categorifications of a level two quantum $sl(n)$ representation, to appear in Int. J. of Math. Sci. (2010), arXiv:0910.2496.

Igor Frenkel, Catharina Stroppel, Joshua Sussan, Categorifying fractional Euler characteristics, Jones-Wenzl projector and 3j-symbols, Quantum Topology (3), (2012), 181-253, arXiv:1007.4680.

Catharina Stroppel, Joshua Sussan, Categorified Jones-Wenzl Projectors: a comparison, Cont. Math., arXiv:1105.3038.

Sabin Cautis, Anthony Licata, Joshua Sussan, Braid group actions via categorified Heisenberg complexes, Comp. Math. (150), arXiv:1207.5245.

You Qi, Joshua Sussan, A categorification of the Burau representation at prime roots of unity, arXiv:1312.7692.

Sabin Cautis, Joshua Sussan, On a categorical boson-fermion correspondence, accept (CMP), arXiv:1403.6019.

Mikhail Khovanov, Joshua Sussan, A categorification of the upper half of quantum $gl(m,1)$, arXiv:1406.1676.

David Hill, Joshua Sussan, A categorification of twisted Heisenberg algebras, in preparation.

Catharina Stroppel, Joshua Sussan, A Lie theoretic categorification of the Reshetikhin-Turaev invariant, in preparation.

Sabin Cautis, Anthony Licata, Joshua Sussan, Trace decategorification of Khovanov's Heisenberg category, in preparation.

Education

Institution	Degree	Year(s)	Discipline
Yale University	PhD	2007	Mathematics
MIT	S.B.	2001	Mathematics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Summer 2014	Categorification in representation theory and topology	\$3,500.00	PSC CUNY
2014-2017	Topological and geometric invariants from representation theory	\$145,000.00	NSF
Summer 2007	Categorification	\$3,000.00	Clay Math Institute

Attachments

Description	File Name	File Size	Date Attached
Project Description	pscfall13.pdf	163344	12/5/2013 12:41:17 PM

Budgets

Description			Requested Amount
-------------	--	--	------------------

Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Summer Salary (Principal Investigator) The PI will devote at least 50% of his time in conducting this research during the months of July and August in 2014.	Fringe Benefit Expense	2715.00 784.64	3499.64
		Total	3499.64

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-124	Name : Merenkov, Sergiy
Rank: Associate Professor	Address :
Tenured: Yes	Telephone :
College: CITY COLLEGE	Email:
Panel: Mathematics	
Discipline : Mathematics	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department MATHEMATICS

Title of Proposed Project: Standard Sierpiński carpets and Lattices maps
--

Brief Abstract

The aim of this proposal is to investigate quasisymmetric rigidity of standard Sierpiński carpets. This is mostly motivated by open conjectures in geometric group theory, particularly the Kapovich-Kleiner conjecture. The goal is to extend one of the main results of M. Bonk, S. Merenkov, "Quasisymmetric rigidity of square Sierpiński carpets", Ann. of Math. (2) 177 (2013), no. 2, 591-643, to the whole family of standard carpets. Namely, the plan is to establish strong quasisymmetric rigidity of each element of the standard family S_p , where $p \geq 3$ is odd. If successful, this would prove a conjecture proposed in the above paper. The hope is to be able to accomplish this by representing each S_p as an invariant set of an appropriate Lattices map.

Relevant Publications & Scholarship

Education

Institution	Degree	Year(s)	Discipline
Purdue University	Ph.D.	2003	Mathematics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
--------	-------	--------	----------------

Attachments

Description	File Name	File Size	Date Attached
Project Description	psc-cuny13.pdf	219553	12/3/2013 2:55:18 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00

Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time In order to work effectively on the project the proposer requests one 3 credit course release time.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	4248.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-205 Rank: Professor Tenured: Yes College: COLLEGE OF STATEN ISLAND Panel: Mathematics Discipline : Mathematics Co-PI :	Name : Pribitkin, Wladimir Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department MATHEMATICS

Title of Proposed Project: A New Duality Theorem for Automorphic Integrals
--

Brief Abstract

In the early 1960s Marvin Knopp proved a lovely duality theorem pertaining to certain Eichler integrals and the interrelationships between their periods. Knopp's Theorem holds only for negative integer weights. However, in the late 1960s Douglas Niebur generalized part of Knopp's Theorem to accommodate a class of automorphic integrals of arbitrary negative real weight. In the mid 1990s I extended all of Niebur's results to include "Niebur integrals" of positive weight less than two. (This is the most difficult range.) However, nobody has succeeded in generalizing the rest of Knopp's Theorem. The goal of my proposal is to do so. In order to accomplish this, I plan on introducing and scrutinizing two new classes of automorphic integrals, one related to fractional integrals of automorphic forms and the other one connected with a more general notion of a Niebur integral.

Relevant Publications & Scholarship

A Generalization of Knopp's Observation on Ramanujan's Tau-function, Ramanujan J., submitted (2014), 20 pages. (Resulted from PSC-CUNY funding)

On an Oscillatory Result for the Coefficients of General Dirichlet Series, W. Kohnen and W. Pribitkin, in From Fourier Analysis and Number Theory to Radon Transforms and Geometry – In Memory of Leon Ehrenpreis, H. M. Farkas et al., eds., Dev. Math. 28, Springer, New York (2013), 371-374. (Resulted from PSC-CUNY funding)

Some Notes on the Signs of Kloosterman Sums, in Analytic Number Theory - Related Multiple Aspects of Arithmetic Functions, T. Noda, ed., RIMS Kôkyûroku 1806, Kyoto University, Kyoto (2012), 94-98. (Resulted from PSC-CUNY funding)

Niebur Integrals, Mock Automorphic Forms and Harmonic Maass Forms: a Retrospective on the Work of the Rademacher School, Y. Choie, M. Knopp and W. Pribitkin, Advances in Math. (accepted pending minor revision), 44 pages. (Resulted from PSC-CUNY funding)

On the Oscillatory Behavior of Certain Arithmetic Functions Associated with Automorphic Forms, *Journal of Number Theory* 131 (2011), no. 11, 2047-2060. (Resulted from PSC-CUNY funding)

Poincaré Series and Eichler Integrals, *Illinois J. of Math.* 53 (2009), no. 3, 883-897. (Resulted from PSC-CUNY funding)

Simple Upper Bounds for Partition Functions, *Ramanujan J.* 18 (2009), no. 1, 113-119. (Resulted from PSC-CUNY funding)

On the Sign Changes of Coefficients of General Dirichlet Series, *Proc. Amer. Math. Soc.* 136 (2008), no. 9, 3089-3094. (Resulted from PSC-CUNY funding)

Uninhibited Poincaré Series, *International J. of Number Theory* 3 (2007), no. 3, 335-347. (Resulted from PSC-CUNY funding)

Fractional Integrals of Modular Forms, *Acta Arith.* 116 (2005), no. 1, 43-62.

On the Signs of Fourier Coefficients of Cusp Forms, M. Knopp, W. Kohnen and W. Pribitkin, *Ramanujan J.* 7 (2003), no. 3, 271-278.

Laplace's Integral, the Gamma Function, and Beyond, *American Math. Monthly* 109 (2002), no. 3, 235-245.

A Simpler Proof of $\sin \pi z = \pi z \prod_{k=1}^{\infty} (1 - z^2/k^2)$, *American Math. Monthly* 108 (2001), no. 8, 767-768.

A Generalization of the Lipschitz Summation Formula and Some Applications, P. Pasles and W. Pribitkin, *Proc. Amer. Math. Soc.* 129 (2001), 3177-3184.

Revisiting Rademacher's Formula for the Partition Function $p(n)$, *Ramanujan J.* 4 (2000), no. 4, 455-467.

The Fourier Coefficients of Modular Forms and Niebur Modular Integrals Having Small Positive Weight, II, *Acta Arith.* 93 (2000), no. 4, 343-358.

A Note on Siegel's Proof of Hamburger's Theorem, W. Culp-Ressler and W. Pribitkin, in *Analysis, Geometry, Number Theory: The Mathematics of Leon Ehrenpreis*, E. L. Grinberg et al., eds., *Contemp. Math.* 251, AMS, Providence (2000), 135-140.

The Hecke Convergence Factor and Modular Forms of Weight Zero, M. Knopp and W. Pribitkin, in *Analysis, Geometry, Number Theory: The Mathematics of Leon Ehrenpreis*, E. L. Grinberg et al., eds., *Contemp. Math.* 251, AMS, Providence (2000), 371-391.

Eisenstein Series and Eichler Integrals, in *Analysis, Geometry, Number Theory: The Mathematics of Leon Ehrenpreis*, E. L. Grinberg et al., eds., *Contemp. Math.* 251, AMS, Providence (2000), 463-467.

A Generalization of the Goldfeld-Sarnak Estimate on Selberg's Kloosterman Zeta-function, *Forum Math.* 12 (2000), no. 4, 449-459.

On Solutions to Riemann's Functional Equation, W. Culp-Ressler, K. Flood, Sr. A. Heath and W. Pribitkin, *Ramanujan J.* 4 (2000), no. 1, 5-9.

The Fourier Coefficients of Modular Forms and Niebur Modular Integrals Having Small Positive Weight, I, *Acta Arith.* 91 (1999), no. 4, 291-309.

Education

Institution	Degree	Year(s)	Discipline
Temple University	Ph.D.	1995	Mathematics
Courant Institute (NYU)	M.S.	1987	Mathematics
Johns Hopkins University	B.E.S.	1984	Mathematical Sciences

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2014-2015	A New Duality Theorem for Automorphic Integrals	\$4,248.00	PSC-CUNY (# 67600-00 45)
2012-2013	A Generalization of Poincaré Series	\$3,990.00	PSC-CUNY (# 65563-00 43)
2011-2012	Niebur Integrals and Mock Modular Forms of Weight One	\$3,990.00	PSC-CUNY (# 64565-00 42)
2010-2011	Niebur Modular Integrals, Harmonic Maass Forms, and Beyond	\$3,325.00	PSC-CUNY (# 63516-00 41)
2009-2010	Oscillatory Behavior of Arithmetic Functions Associated with Automorphic Forms	\$2,960.00	PSC-CUNY (# 62571-00 40)
2008-2009	Problems Connected with Lehmer's Question Concerning the Ramanujan Tau-function	\$3,525.00	PSC-CUNY (# 61375-00 39)
2007-2008	Properties and Applications of Uninhibited Poincaré Series	\$4,017.00	PSC-CUNY (# 69368-00 38)
2006-2007	The Fourier Coefficients of Automorphic Forms and Integrals Having Small Positive Weight on H-Groups	\$2,992.00	PSC-CUNY (# 68327-00 37)
2005-2006	A New Class of Modular Integrals	\$3,311.00	PSC-CUNY (# 67261-00 36)
2004-2005	A New Class of Modular Integrals	\$4,640.00	PSC-CUNY (# 60096-34 35)
1998-2001	Postdoctoral Fellowship at Princeton University	\$95,000.00	NSF

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY2014B.pdf	232950	12/13/2013 1:11:48 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00

Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time It is very important for me to have uninterrupted blocks of time during which I can conduct my research. Certainly, receiving release time for a three credit course would be extremely helpful for the completion of my proposed project.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	4248.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-47 Rank: Professor Tenured: Yes College: QUEENS COLLEGE Panel: Mathematics Discipline : Mathematics Co-PI :	Name : Miller, Russell Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department MATHEMATICS

List of Undesirable Reviewers No

Title of Proposed Project: Computability Theory and Hilbert's Tenth Problem

Brief Abstract

Miller requests financial support for collaboration with researchers from number theory and algebraic geometry, along with a three-hour course release during the academic year 2014-15. The collaborators include Kirsten Eisentrager of Penn State University, Bjorn Poonen of MIT, and Alexandra Shlapentokh of East Carolina University. They will continue a project begun in September 2013 at a workshop at the American Institute of Mathematics. The goal is to determine the jump degree of Hilbert's Tenth Problem for the rational numbers, by comparing it with related sets for the integers, where the jump degree is known. Additionally, the expertise of the other researchers in fields is expected to help Miller solve several outstanding problems in computable model theory.

Relevant Publications & Scholarship

This numbering is used in the Project Description for references to Miller's work. Updated information and most papers are available at qcpages.qc.cuny.edu/~rmiller/research.html.

1. Computably Categorical Fields via Fermat's Last Theorem, with H. Schoutens, *Computability* 2 (2013), 51-65. (Resulted from PSC-CUNY funding.)
2. Approximating Functions and Measuring Distance on a Graph, with W. Calvert & J. Chubb Reimann, in the *Proceedings of the 12th Asian Logic Conference* (Singapore: World Scientific Publishing Co., 2013), 24-52. (Resulted from PSC-CUNY funding.)
3. Classes of Structures with Universe a Subset of ω_1 , with E. Fokina, S.-D. Friedman, & J.F. Knight, *Journal of Logic and Computation* (2013) 23 (6), 1249-1265. (Resulted from PSC-CUNY funding.)
4. Local Computability for Ordinals, with J.N.Y. Franklin, A.M. Kach, and R. Solomon, in *The Nature of Computation: 9th Conference on Computability in Europe, CiE 2013*, eds. P.

Bonizzoni, V. Brattka, & B. Loewe, Lecture Notes in Computer Science 7921 (Berlin: Springer-Verlag, 2013), 161-170. (Resulted from PSC-CUNY funding.)

5. The Hierarchy of Equivalence Relations on the Natural Numbers Under Computable Reducibility, with S. Coskey & J. Hamkins, *Computability* 1 (2012) 15-38. (Resulted from PSC-CUNY funding.)

6. Degree Spectra of High- n and Non-low- n Degrees, with A. Frolov, V. Harizanov, I. Kalimullin, & O. Kudinov, *Journal of Logic and Computation* 22 (2012) 4, 755-777. (Resulted from PSC-CUNY funding.)

7. Low₅ Boolean Subalgebras and Computable Copies, *Journal of Symbolic Logic* 76 (2011) 3, 1061-1074. (Resulted from PSC-CUNY funding.)

8. An Introduction to Computable Model Theory on Groups and Fields, *Groups, Complexity and Cryptology* 3 (2011) 1, DOI: 10.1515/GCC.2011.002. (Resulted from PSC-CUNY funding.)

9. Noncomputable Functions in the Blum-Shub-Smale Model, with W. Calvert & K. Kramer, *Logical Methods in Computer Science* 2 (2011) 15, 1-20 (expanded version of item 11 below). (Resulted from PSC-CUNY funding.)

10. Adapting Rabin's Theorem for Differential Fields, with A. Ovchinnikov, in *Models of Computation in Context: Seventh Conference on Computability in Europe, CiE 2011*, eds. B. Loewe, D. Normann, I. Soskov, & A. Soskova, *Lecture Notes in Computer Science* 6735 (Berlin: Springer-Verlag, 2011), 211-220. (Resulted from PSC-CUNY funding.)

11. Computability of Fraïssé Limits, with B. Csima, V. Harizanov, and A. Montalbán, *Journal of Symbolic Logic* 76 (2011) 1, 66-93. (Resulted from PSC-CUNY funding.)

12. Simple Structures with Complex Symmetry, with V. Harizanov and A. Morozov, *Algebra and Logic* 49 (2010) 1, 68-90. (Resulted from PSC-CUNY funding.)

13. Degrees of Categoricity of Computable Structures, with E. Fokina and I. Kalimullin, *Archive for Mathematical Logic* 49 (2010) 1, 51-67. (Resulted from PSC-CUNY funding.)

14. Is It Easier to Factor a Polynomial or to Find a Root?, *Transactions of the American Mathematical Society* 362 (2010) 10, 5261-5281. (Resulted from PSC-CUNY funding.)

15. The Cardinality of an Oracle in Blum-Shub-Smale Computation, with W. Calvert & K. Kramer, in *Proceedings: Seventh International Conference on Computability and Complexity in Analysis*, eds. X. Zheng & N. Zhong, *Electronic Proceedings in Theoretical Computer Science* 24 (2010), 56-66. (Resulted from PSC-CUNY funding.)

16. The Basic Theory of Infinite Time Register Machines, with M. Carl, T. Fischbach, P. Koepke, M. Nasfi, & G. Weckbecker, *Archive for Mathematical Logic* 49 (2010) 2, 249-273. (Resulted from PSC-CUNY funding.)

17. d -Computable Categoricity for Algebraic Fields, *The Journal of Symbolic Logic* 74 (2009) 4, 1325-1351. (Resulted from PSC-CUNY funding.)

18. Post's Problem for Ordinal Register Machines: An Explicit Approach, with J. Hamkins, *Annals of Pure and Applied Logic* 160 (2009) 3, 302-309. (Resulted from PSC-CUNY funding.)

19. Real Computable Manifolds and Homotopy Groups, with W. Calvert, in *Unconventional Computation, 8th International Conference, UC 2009, Proceedings*, eds. C. Calude, J.

Costa, N. Dershowitz, E. Freire, & G. Rozenberg, Lecture Notes in Computer Science 5715 (Berlin: Springer-Verlag, 2009), 98-109. (Resulted from PSC-CUNY funding.)

20. Spectra of Algebraic Fields and Subfields, with A. Frolov & I. Kalimullin, in Mathematical Theory and Computational Practice: Fifth Conference on Computability in Europe, CiE 2009, eds. K. Ambos-Spies, B. Loewe, & W. Merkle, Lecture Notes in Computer Science 5635 (Berlin: Springer-Verlag, 2009), 232-241. (Resulted from PSC-CUNY funding.)

21. Computability and Differential Fields: a Tutorial (expository chapter), to appear in the book Differential Algebra and Related Topics: Proceedings of the Second International Workshop, eds. L. Guo & W. Sit (World Scientific, 2013), ISBN 978-981-283-371-6. (Resulted from PSC-CUNY funding.)

22. Local Computability and Uncountable Structures, chapter to appear in the book Effective Mathematics of the Uncountable, eds. N. Greenberg, J.D. Hamkins, D.R. Hirschfeldt, & R.G. Miller, A.S.L. Lecture Notes in Logic (Cambridge: Cambridge Univ. Press, 2013). (Resulted from PSC-CUNY funding.)

23. Complexity of Equivalence Relations and Preorders from Computability Theory, with G. Ianovski, K.M. Ng, & A. Nies, to appear in the Journal of Symbolic Logic. (Resulted from PSC-CUNY funding.)

24. Computable Categoricity for Algebraic Fields with Splitting Algorithms, with A. Shlapentokh, to appear in the Transactions of the American Mathematical Society. (Resulted from PSC-CUNY funding.)

25. Categoricity Properties for Computable Algebraic Fields, with D. Hirschfeldt, K. Kramer, & A. Shlapentokh, to appear in the Transactions of the American Mathematical Society. (Resulted from PSC-CUNY funding.)

26. Computing Constraint Sets for Differential Fields, with A. Ovchinnikov & D. Trushin, submitted for publication. (Resulted from PSC-CUNY funding.)

Education

Institution	Degree	Year(s)	Discipline
Princeton University	A.B.	1990	Mathematics
University of Chicago	M.S.	1991	Mathematics
University of Chicago	Ph.D.	2000	Mathematics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
June 1, 2010 - May 31, 2014	Computability Theory, Facing Outwards	\$107,198.00	National Science Foundation
May 1, 2012 - April 30,	Collaboration in Computability - Bulgarian Supplement		National

2015	(joint with many other researchers)	\$20,000.00	Science Foundation
May 1, 2011 - April 30, 2014	Collaboration in Computability (joint with many other researchers)	\$82,500.00	National Science Foundation
July 1, 2013 - June 30, 2014	Computable Differentially Closed Fields	\$3,990.00	PSC-CUNY
July 1 - July 15, 2012	Short Visit Grant	\$2,400.00	European Science Foundation
July 1, 2011 - Dec. 31, 2012	Computable Fields	\$3,500.00	PSC-CUNY
July 1, 2010 - Dec. 31, 2011	Fields and Computable Categoricity	\$3,325.00	PSC-CUNY
July 1, 2009 - June 30, 2010	Computable Fields and Transcendence Degree	\$2,960.00	PSC-CUNY
July 1, 2008 - Dec. 31, 2009	Computability and Fields	\$3,525.00	PSC-CUNY
January 1, 2008 - December 31, 2009	Effective Mathematics of the Uncountable (with three co-PI's)	\$98,259.00	Templeton Foundation
July 1, 2007 - Dec. 31, 2008	Locally Computable Structures	\$4,017.00	PSC-CUNY
April 1, 2006 - March 31, 2009	Collaboration in Computability (joint with many other researchers)	\$75,000.00	National Science Foundation

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	BudgetJustification.pdf	47342	12/9/2013 11:31:55 AM
Project Description	ProjectDescription.pdf	132593	12/9/2013 11:32:12 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00

Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Released Time The requested course release will allow time for Miller to work on this project, in concert with his collaborators, during the academic year 2014-15.	Fringe Benefit Expense	3000.00 1248.00	4248.00
Domestic Travel As described in the attached Budget Justification, this amount will allow Miller and his collaborators to meet in person during 2014-15 and work on the projects described in the Project Description. All planned travel is domestic.		6270.00 0.00	6270.00
		Total	10518.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-115 Rank: Assistant Professor Tenured: No College: LAGUARDIA C.C Panel: Performing Arts Discipline : Performing Arts Scholarship Co-PI :	Name : Stubbs, Naomi J. Address : Telephone : Email:
---	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department ENGLISH

Title of Proposed Project: The Harry Watkins Scrapbooks

Brief Abstract

I am applying for a PSC-CUNY Research Award in order to support a week-long research trip to Oakland University, Rochester, MI in summer 2014 to view the scrapbooks of the nineteenth-century actor/manager, Harry Watkins. Watkins is the subject of a larger scholarly project I am undertaking (producing a critical edition of his 1845-1860 diary) and his scrapbooks will facilitate the annotation of the resulting edition. In addition, the freely-available online (un-annotated) edition I am developing alongside will be supported by a web portal housing supporting primary documents, and it is anticipated that the scrapbooks will yield items suited for this portal. This research trip will allow for extensive conversations with the archivists, enabling the provenance of the scrapbooks to be determined and assisting in locating other Watkins materials. Finally, the scrapbooks will likely yield opportunities for future research projects on theatre-going in the nineteenth century.

Relevant Publications & Scholarship

Selected Publications

- (1) Book. *Cultivating National Identity Through Performance: American Pleasure Gardens and Entertainment*: Palgrave, 2013.
- (2) Article. "The American Path: From Pleasure Garden to Amusement Park." *Popular Entertainment Studies* 5, no. 2 (September 2014): 6-23.
- (3) Chapter in Edited Volume. "Modern Nation and Rural Idyll: Reconciling Progress and Purity Through Performance." In *Theatre, Performance and Analogue Technology: Historical Interfaces and Intermedialities*. Edited by Kara Reilly. Palgrave, 2013.
- (4) Chapter in Edited Volume. "Pleasure Gardens of America: Anxieties of National Identity." In *The Pleasure Garden, from Vauxhall Gardens to Coney Island*. Edited by Jonathan Conlin. Philadelphia: University of Pennsylvania Press, 2012.
- (5) Peer-reviewed Article. "The Final Revisions to David Garrick's First Play." In *Papers of the Bibliographic Society of America* 103, no. 4 (December 2009): 513-32.

Selected Presentations

- * Roundtable participant. "Digital Scholarship Panel." Association for Theatre in Higher Education (ATHE), Scottsdale, AZ , July, 2014.
- * Paper. "Great Expectations: Harry Watkins and his 1860-1863 Tour." Celebrity Encounters: Transatlantic Fame in Nineteenth-century Britain and America. University of Portsmouth, UK, July, 2014.
- * Paper. "Student-Faculty Collaboration in Liberal Arts Scholarship: The Challenges and Surprises of the Harry Watkins Diary Project." Co-presented with Medeli Tavarez (LaGuardia student). 10th Annual CUE Conference: Learning Inside and Outside the Classroom, May, 2014.
- * Paper. "Form Follows Function: Drupal's Role in Editing the Diary of Harry Watkins (1825-1894)." American Society for Theatre Research (ASTR), Dallas, TX. November 2013.
- * Roundtable chair and participant. "Performing P(l)ay: The Spectacle of Spectatorship." Association for Theatre in Higher Education (ATHE), Orlando, FL, August, 2013.
- * Paper. "Transatlantic 'Others': The Native American on the Spanish Stage." American Society of Theatre Research (ASTR), Nashville, TN, November, 2012.
- * Roundtable participant. "Popular Entertainments in America: Evolutions in How We Spend and Interpret Leisure." Association for Theatre in Higher Education (ATHE), Washington DC, August 2012.
- * Paper. "The Black Void: Absenting Labor in the Pleasure Gardens." Mid-America Theatre Conference (MATC), Chicago, March 2012.
- * Moderator. "Melodrama in Transition: A Changing Art." Talkback at the Metropolitan Playhouse, New York, October 2011.
- * Paper. "The Country and the City: Spatial Tensions in American Pleasure Gardens," as part of the working group "Re-Territorializing the City: Performance, Place, and Power in the Urban Environment." ASTR, Seattle, November 2010.
- * Paper. "David Garrick's Lethe: An Unstable Text." Society for Textual Scholarship, New York, March 2009.
- * Paper. "On Page and Stage: David Garrick's First and Last Satire." Southeastern Society for Eighteenth-Century Studies annual conference, Auburn, February 2008.

Education

Institution	Degree	Year(s)	Discipline
Graduate Center, CUNY	PhD	2012	Theatre
Queen Mary, University of London	MRes (Masters of Research)	2005	Editing Lives and Letters
Queen Mary, University of London	BA (Hons)	2003	English and Drama

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Sept 2013-June 2014	Collaborative Incentive Research Grant (CIRG)	\$29,762.00	CUNY
November 2013	David Keller Award	\$800.00	American Society for Theatre Research (ASTR)
August 2013	Anthony Denning Award	\$1,005.00	Society for Theatre Research
			Association for Documentary

May 2013	Travel Grant (for work on Harry Watkins)	\$1,200.00	Editing
March 2010	The Pleasure Gardens of Antebellum America	\$904.00	American Theatre Research Award
March 2012	The Black Void: Absenting Labor in American Pleasure Gardens	\$200.00	Robert A. Schanke Award
May 2012	The Black Void: Absenting Labor in American Pleasure Gardens	\$330.00	EDIT (Educational Development Initiative Team)

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY-2013-Stubbs.pdf	86131	12/13/2013 11:07:06 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00

Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies Estimated costs for scanning and securing permissions for selected items at the archives.		600.00 0.00	600.00
Domestic Travel Plane to Detroit (\$350), train Detroit to Pontiac (\$24), taxis to/from Rochester(\$80), hotel (120*4), plus per diem (\$56*5)		1214.00 0.00	1214.00
Summer Salary (Principal Investigator) Full salary of \$64,956 divided by 52, for 1 week's work	Fringe Benefit Expense	1249.15 361.00	1610.15
		Total	3424.15

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-319 Rank: Assistant Professor Tenured: No College: BARUCH COLLEGE Panel: Performing Arts Discipline : Music Co-PI :	Name : Anderton, Abby Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department FINE & PERFORMING ARTS

Title of Proposed Project: Denazifying Beethoven: Music and Politics in Postwar Berlin
--

Brief Abstract

Denazifying Beethoven: Music and Politics in Postwar Berlin explores the cultural politics of West Berlin's occupation from 1945 to 1949, as American authorities attempted to "denazify" German classical music culture by censoring concert repertoires and screening musicians. Ultimately, classical music became as highly politicized in the postwar years as it had been during the Third Reich, as American authorities re-appropriated music to play a symbolic role in Cold War politics. In questioning the culpability of artists under tyranny and occupation, this work explores how American forces occupied not only West Berlin, but also the city's resilient artistic culture. From the Berlin Philharmonic to Displaced Persons Camps, music reconstituted social identity in a period fraught with the competing agendas of the occupation powers.

Relevant Publications & Scholarship

'Wir genießen die himmlischen Freuden, drum tun wir das Irdische meiden': Mahler's Fourth Symphony in Postwar Berlin." Conference Proceedings from "After Mahler's Death: International Gustav Mahler Symposium," University of Music and Performing Arts, Vienna. Forthcoming, Winter 2014.

"It was Never a Nazi Orchestra': The American Re-education of the Berlin Philharmonic," in Music and Politics. Forthcoming, Winter 2014.

"Pionier der Alten Musik: Hans Eberhard Hoesch und die Kabeler Kammermusik." Review. Notes: The Quarterly Journal of the Music. Forthcoming, March 2014.

"The Stars and Stripes of the Berlin Philharmonic: Classical Music and the American Cultural Agenda in West Berlin, 1945-47," in Music Research Forum, University of Cincinnati (September 2011): 1-24.

Translation from German to English, "The Artistic Feature Film and Music. Its Genres," in

The Routledge Film Music Sourcebook, edited by James Wierzbicki, Nathan Platt, and Colin Roust. London: Taylor and Francis, 2011.

“Sergei Rachmaninoff,” in Musicians and Composers of the Twentieth-Century, edited by Alfred Cramer. Salem Press: Pasadena, 2009.

Education

Institution	Degree	Year(s)	Discipline
Bucknell University	B.A.	2006	Music and English
Humboldt University, Berlin	Guest Student	2010-2011	Historical Musicology
University of Michigan	Ph.D.	2012	Historical Musicology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2011-2012	Completion Fellowship	\$27,500.00	University of Michigan
2010 (declined; I accepted the Fulbright instead)	DAAD Research Grant	\$21,000.00	German Academic Exchange Service
2010-2011	Fulbright Research Grant	\$27,000.00	Fulbright Commission

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY_ProposalAnderton.pdf	105167	12/13/2013 11:38:54 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
	Fringe Benefit	0.00	0.00

Clerical Staff	Expense MTA Payroll Tax	0.00	
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel RT International Flight, New York to Berlin: \$1,100 Housing in Berlin, Munich (\$30 an evening x 41 days): \$1,230.00 Per Diem, Germany and UK (\$15 x 45 days): \$675.00 Travel for Conference Related to Project, (July 6-8, 2014) RT Flight from Berlin to Leeds, UK: \$195.00 Hotel (4 nights x \$75/night): \$300		3500.00 0.00	3500.00
		Total	3500.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-173 Rank: Assistant Professor Tenured: Yes College: BROOKLYN COLLEGE Panel: Performing Arts Discipline : Performing Arts Production Co-PI :	Name : Parmar, Vinit Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials Yes (will be mailed to the Research Foundation)

List of Supplementary Material DVD#1 (WorkinProgress) and DVD#2 (Prof. Li works)

Will Interviews be Conducted? No

Department FILM

Title of Proposed Project: Only One Child

Brief Abstract

The Fang family is one of 262 million illegal Chinese migrants. They leave their children behind to work elsewhere. This family of three children has violated the One-Child Policy and they continue to pay the price; each child resides in different provinces to avoid penalties. Both daughters, FangSha in Nanchang, and FangTan in Tongling Village, reside with different grandparents. The son, FangZhilong, roams with the Fangs. The girls cope without the parents, experiencing loss and loneliness, and face questions of self-identity.

Population and poverty run parallel, while the boy's life is vastly different than the two girl's lives. As a voice of this underrepresented community, we begin to appreciate their fragmented family structure does not bar the Fangs from maintaining long-distance bonds, a sustained sense of hope, and the expectations for success for their children in ways that they could not achieve.

This timely film will be presented as China proclaims to revise its policy and penalizes filmmaker Zhong Yimou for having too many children.

Relevant Publications & Scholarship

1. Directorial Film Work
 Quest for Energy (2012), 10-minute film on a sustainable future practiced by off-grid Indian villagers. Distributed by SnagFilms, LLC.
 AWARDS and JURIED SCREENINGS:
 - United Nations TV Channel, "21st Century" (TBA)(distribution via 50+ international broadcasters like BBC World and RTVE)
 - Award of Excellence, Canada Film Festival, Vancouver, British Columbia, Canada, April 5th - 6th, 2013
 - Award of Excellence, Broadcast Education Association Festival of Media Arts, Broadcast Education Association's Convention, Las Vegas, Nevada, April 7 – 10, 2013
 - Prestige Film Award, Gold Level, California

- Best Short Documentary Award, OneCloudFest (international online film festival, <http://onecloudfest.com/>), November 22 to October 30, 2012
- Best Eco Documentary, San Pedro Film Festival, Los Angeles, CA, October 12-14, 2012
- Nominated for Best Short Documentary, Beloit International Film Festival, Beloit, Wisconsin, February 14 – 17, 2013
- Best Documentary, Da Vinci Film Festival, Oregon, July 19-21, 2013
- Best Non-Fiction Short Film, Audience Choice Award for Best Short Film – Non-Fiction, Gwinnett Center Int'l Film Festival, July 26 – 28, 2013
- Selection of film in National Tour, Wild & Scenic Film Festival (venues included in Theatrical Screenings section)

THEATRICAL SCREENINGS

- Welthaus Theater, Bielefeld, Germany, June 6, 2012
- STS Sustainability Series, Rensselaer Polytechnic Institute Fall Film Series, Troy, New York, November 11, 2012
- Friends of Mat, Palmer, Arkansas, April 25-26, 2013
- Friends of San Pedro River, Sierra Vista & Bisbee, Arizona, April 13-14, 2013
- John Muir Center, Stockton, California, April 11, 2013
- Tahoe Truckee Earth Day, Incline Village & Squaw Valley, CA, April 18-19, 2013
- Santa Clara University, Santa Clara, California, April 25, 2013
- Esri, Redlands, California, April 25, 2013
- Colorado College, Colorado Springs, Colorado, April 26, 2013
- Western Colorado Congress, Grand Junction, Colorado, April 26, 2013
- MSD Biscayne Nature Center, Key Biscayne, Florida, April 19, 2013
- Connecticut Sierra Club, West Hartford, Connecticut, April 19, 2013
- Environmental Learning Center, Vero Beach, Florida, April 21, 2013
- Hawaii Islands Land Trust, Waimea, Hawaii, April 6-7, 2013
- Western North Carolina Alliance, April 4, 25, Asheville & Boone, North Carolina
- Triangle Bikeworks, Chapel Hill, North Carolina, April 25, 2013
- The Southeast Land Trust of New Hampshire, Portsmouth, NH, April 26, 2013
- Finger Lakes Institute, Geneva, New York, April 5, 2013

FILM FESTIVALS

- Earth Port Film Festival, Newbury Port, Maine, April 21, 2013
- Broadcast Education Association Festival of Media Arts, Broadcast Education Association's -Convention, Las Vegas, Nevada, April 7 – 10, 2013
- Canada Film Festival, Vancouver, British Columbia, Canada, April 5th - 6th, 2013
- Buffalo Niagara Film Festival, New York, April 10 – 14, 2013
- DV Film Fest (dvff), Rutgers U., New Brunswick, New Jersey, February 15- 17, 2013
- Wild & Scenic Film Fest, Nevada City, California, January
- Beloit International Film Festival, Beloit, Wisconsin, February 14 – 17, 2013
- Literati Film Festival at Anthology Film Archives, NYC, NY, December 15, 2012
- Crown Heights Film Festival, Brooklyn, NY, October 30 – November 10, 2012
- Greater Reading Film Festival, Reading, Pennsylvania, October 25-28, 2012,
- San Pedro Film Festival, Los Angeles, California, October 12-14, 2012,
- Portland Maine Film Festival, Portland, Maine, October 4-7, 2012,
- Laughlin International Film Festival, Bullhead City, Arizona, October 11-14, 2012
- OneCloudFest (international online film festival, <http://onecloudfest.com/>), September 22 - October 30, 2012,
- REEL Independent Film Extravaganza at West End Cinemas, Washington D.C., October 12-18, 2012
- Healdsburg International Short Film Festival, Raven Film Center, Sebastopol, California, September 21-23, 2012
- Scinema Film Festival, Canberra, Australia, August 13-21, 2012
- Twin River Film Fest, Asheville, North Carolina, May 18-20, June 1, 8, 2012
- Da Vinci Film Festival, Corvallis, Oregon, July 19-21, 2013

Living River (2011), 60 minute documentary on industrial water pollution in India.

AWARDS and JURIED SCREENINGS:

- Oregon Film Awards, Gold Level Award in Documentary Category
- Montana CINE International Film Festival, Award for 2nd Place Winner in Best Water Documentary Category)
- Los Angeles New Wave International Film Festival, Honorable Mention
- Chashama Film Festival, NYC, Award : Best Environment Film
- Official Selection, Festival International of Intercultural Film, France
- Official Selection, Lucerne International Film Festival, Switzerland
- Official Selection, Dhaka International Film Festival, Bangladesh
- Official Selection, Deloitte International Film Festival, Wisconsin
- Official Selection, Columbia Gorge International Film Festival, Washington
- 10th Annual Sacramento International Film Festival (Award for Best Environmental Vision)
- 7th Annual EarthVision International Film Festival (Katherine Knight Award Honoree)
- 33rd Annual Cleveland International Film Festival
- 2nd Annual Da Vinci Film Festival
- 5th Green International Film Festival in Seoul, Korea
- 3rd Annual Ranier Independent Film Festival.
- Presented invited screening with Q&A at New Filmmakers – New York, moderated by Barney Oldfield, February 1, 2012, NYC.
- Presented invited screening with Q&A at National Academy of Television Arts & Sciences, moderated by Sumner Jules Glimcher, February 27, 2012, NYC.

Chinatown in Tangra (2008), a 15-minute documentary on the diminishing Chinese population in Calcutta, India. Hosted on dedicated website for the Chinese-Indian community and screened at a two-day conference at a collaborative CUNY/New School symposium on “The Chinese in India 2006”.

2. Professional Audio Work

2012 The Passenger, narrative short film

Production Company: Gashouse Films, LLC

Director: Daniel Maldonado

Producer: Ingrid Matias

Status: in post-production

2012 Pampers Latino Project

Production Company: Meredith Video Studios

Director: Alberto Ferraras

Producer: Kadine Anckle

Distributor: Pampers (Web series for their site)

2012 Cheerios

Production Company: Meredith Video Studios

Producer: Tanya Jones

Director: Lawrence Alitiwski

Distributor: The Better Show National syndicated lifetime show

2012 K-Mart: Madres y Comadres: Holidays

Production Company: Meredith Video Studios

Producer: Nikki Knowles

Director: Alberto Ferreras

Distributor: K-Mart (Custom Youtube site) www.youtube.com/madresycamadres

2012 Proctor and Gamble: Little Things Can Make A Big Difference

Production Company: Meredith Video Studios

Producer/Director: Tanya Jones

Distributor: The Better Show

2011 K-Mart: Madres y Comadres: Back to School – Real Moms

Production Company: Meredith Video Studios

Producer: Nikki Knowles

Director: Alberto Ferreras

Distributor: K-Mart (Custom Youtube site) www.youtube.com/madresycamadres

2011 Lowes: Home 101 (series of DIY webisodes)

Production Company: Meredith Video Studios

Producer/Director: Jeremy Fader

Distributor: Lowes Face book page

2011 PRN: Beauty Beat

Production Company: Meredith Video Studios

Director: Seth Feldman

Producer: Nikki Knowles

Distributor: PRN Web site

2011 Better Homes and Gardens Real Estate: Home First Home

Producers: Tara Daudani, Nikki Knowles, Tanya Jones

Director/DP: John Houghton

Distributor: The Better Show and BH&G/RE website

2011 You Can Thrive commercial, Mixer

Director: Ronnie Litwack

Producer: Luane DeAngelis Halpern

Distributor: YouCanThrive.org

2011 Walmart: Better for Less

Director: Kadin Anckle

Producer: Nikki Knowles

Production Company: MVS

Distributor: The Better Show Segment: "Walmart Wednesday" and "Walmart Weekend"

2011 Sherman-Williams Commercial

Director: Tanya Jones

Producer: Nikki Knowles

Distributor: HGTV

2011 Mary Kay: Make Overs

Director: Tanya Jones

Producer: Jeremy Fader

Production Company: MVS

Distributor: Mary Kay website

2011 You Can Thrive commercial

Director: Ronnie Litwack

Producer: Claire Missaneli

Distributor: YouCanThrive.org

2010 SAKS Fifth Avenue Industrials, Episode Summer 2010

Producer Deanne Phifer

Distribution on national TV

2010 Graco: Care Safety Seats

Director: John Houghton

Producer: Heidi Adam
Distributor: PARENTS-TV

2010 Strivectin Commercial
Director: Tanya Jones
Producer: Jeremy Fader
Distributor: HGTV

2009 First Candle
Director: John Houghton
Producer Heidi Adam
Distributor: PARENTS-TV.

2009 Gareeb Nawaz's Taxi
Director: Ristesh Batra
Producer: Claudia Parandelo
Screening: 2009 Sundance Festival, winner of Grand Jury Prize

2009 Penn Foster Career School Commercial
Producer: Steven Schott
Creative Assistant: Adam Pohren
Distribution on national TV

2009 SAKS Fifth Avenue Industrials
Episodes: Summer 2009, Fall 2009, Winter 2010, Spring 2010
Producer Deanne Phifer
Distribution on national TV

- Recent research awards
- 2012: Quest for Energy (PSC-CUNY \$3,500) to complete production and post-production.
2011: Fulbright Core Scholar Program 2012-2013: Passed Phase 1
2010: Only One Child (PSC-CUNY \$3,000) for production in China currently underway.
2009: Living River (PSC-CUNY \$6,000) for completion funds. Result: film is distributed and won international awards with six invited juried international film festival screenings.
2008: Quest for Energy (PSC-CUNY \$6,000) for production funds in India: Result: website is complete and film is complete.
2008: Southern Silk Road (co-PI on CUNY-Collaborative Grant of \$40,000) for field research and investigation. Result: presented at dedicated international 2-day conference in India.

Education

Institution	Degree	Year(s)	Discipline
New York Law School	J.D.	1994	Entertainment Law

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Fall 2012	Quest for Energy	\$3,500.00	PSC-CUNY
Fall 2010	Only One Child	\$3,000.00	PSC-CUNY

Fall 2009	Black Waters	\$6,000.00	PSC-CUNY
Fall 2008	Quest for Light	\$2,200.00	Leonard and Claire Tow Travel Grant
Fall 2008	Quest for Light	\$6,000.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	FIN_PSC45_173_VP.pdf	143061	12/12/2013 12:33:56 PM
Supplementary Material	CV_Prof_LI_Xiaofeng.pdf	148681	12/5/2013 5:46:45 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00

Domestic Travel		0.00 0.00	0.00
Foreign Travel At this time, no foreign travel is expected, but if the need arises, it may be logical and necessary for me to travel to China for about one month.		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Independent Contractors \$1001.00 as partial compensation to professional studio engineer Suz Dyer for completing a sound mix and sound design for the film. She has worked professionally for this PI in prior projects like the award-winning film, Quest for Energy, distributed by SnagFilms. 4,999.00 as compensation to Visiting Scholar at NYU Tisch School of the Arts Professor Li Xiaofeng, now having returned to Shanghai, for his professional filmmaking services and use of his film equipment in documenting the components of the film that this PI is unable to complete due to events and activities that transpire during this PI's pedagogical obligations to teach at Brooklyn College. He will perform services like cinematography, production sound, coordination of the film shoot, and logging footage while in China, and finally for translation services as needed. This PI's specialties are producing, directing, and audio operation. It will therefore be necessary to hire the professionals listed above to complete tasks at times of the pedagogical calendar year that are not possible for this PI. To cover the remainder of post-production costs, I am concurrently applying to Jerome Foundation, Cinereach, NYSCA, Tribeca Documentary Labs, and Sundance Documentary Funds, with a legacy of support for similar films		6000.00 0.00	6000.00
		Total	6000.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-383 Rank: Assistant Professor Tenured: No College: BRONX C. C. Panel: Performing Arts Discipline : Music Co-PI :	Name : Gatto, Anthony Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials Yes (will be mailed to the Research Foundation)

List of Supplementary Material 2 scores and 2 CDs (2 sets)

Will Interviews be Conducted? No

Department ART AND MUSIC

Title of Proposed Project: WISE BLOOD, an opera/installation based on the novel by Flannery O'Connor
--

Brief Abstract

World premiere production of a multimedia opera and installation, WISE BLOOD, based on the novel by Flannery O'Connor, at the Minneapolis arts exhibition space, The Soap Factory. Commissioned by The Soap Factory, the opera will run for a projected 70 minutes, as part of an on-going film and sculpture installation made in collaboration with media artist, and University of Minnesota professor, Chris Larson. The opera will run for eight shows over the last two weeks of May 2015. Larson's installation and film projections, including my sound design, will be open to the public during all venue visiting hours for the two-week duration.

Relevant Publications & Scholarship

Recent and Upcoming Performances / Premieres (partial list)

6-19-11

Portrait of Eva Hesse (palindrome), for 2 to 19 percussionists in unison contours. Commissioned by Proper Glue Ensemble. Bang on a Can Music Festival presents the premiere performance for 19 percussionists, including members of the percussion studios of the Aaron Copland School of Music / Queens College and SUNY / Stony Brook. Wintergarden, New York City.

5-11-11

Portrait of Eva Hesse (palindrome), for 2 to 19 percussionists in unison contours. Performance by members of the percussion studio of Aaron Copland School of Music / Queens College, led by Michael Lipsey, at Kupferberg Center for the Arts, New York City.

4-23-11

The Genesis of Secrecy, for solo percussion. Commissioned by Melanie Sehman. Part of a commissioning project based on the percussion set-up of Morton Feldman's King of Denmark. Premiere in Seattle, Washington.

1-15-11, 1-16-11

Monster, compositions and sound design, ca. 50 minutes, commissioned by Rebecca Pappas and Dancers. Monster weaves together theatrical, monstrous creatures, high energy dancing, probing questions about Jewish identity, shame, and what it means to be a victim and a victimiser. M-1 Singapore Festival, Singapore.

10-5-10

Portrait of Eva Hesse (palindrome), for 2 to 19 percussionists in unison contours. Premiere performance by Proper Glue Ensemble, St. Peter's, New York City.

6-8-10

Wise Blood, Scene 1: The Train. Commissioned by Ensemble Laboratorium. Concert performance by Ensemble Laboratorium, Kupferberg Center for the Arts, Queens College, New York City.

10-23-09 to 11-14-09

Elijah's Wake, compositions and sound design, ca. 60 minutes, commissioned by Michael Sommers and Open Eye Figure Theater. A visual poem choreographing two silent actors, puppets, and live hand-made media projections with original compositions and sound design. Open Eye Figure Theater, Minneapolis, MN.

10-25-09; 10-26-09

Monster, compositions and sound design, ca. 50 minutes, commissioned by Rebecca Pappas and Dancers, at the Contemporary Jewish Museum in San Francisco, CA

5-1-09; 4-30-09

Monster, compositions and sound design, ca. 50 minutes, commissioned by Rebecca Pappas and Dancers, world premiere at Gloria Kaufman Hall at UCLA, Los Angeles, CA.

3-30-09

Monster, compositions and sound design, ca. 50 minutes, commissioned by Rebecca Pappas and Dancers, presented as part of Movement Research at Judson Church, NYC, NY.

3-28-09

Monster, compositions and sound design, ca. 50 minutes, commissioned by Rebecca Pappas and Dancers, workshop performance at Connecticut College, Martha Myers Dance Studio, New London, CT

2-15-09

Black Dog/Lucky Dog for string quartet and electric guitar, performed by Michael Nicolella and the odeonquartet, Mount Baker Community Club, Seattle, WV

2-13-09

Black Dog/Lucky Dog for string quartet and electric guitar, performed by Michael Nicolella and the odeonquartet, Q Café, Queen Anne, WA

2-8-09

Black Dog/Lucky Dog for string quartet and electric guitar, performed by Michael Nicolella and the odeonquartet, Northgate Community Center, Seattle, WA

2-06-09

Black Dog/Lucky Dog for string quartet and electric guitar, performed by Michael Nicolella and the odeonquartet, Good Shepherd Center, Wallingford, WA

12-12, 13-08

The Making of Americans, opera for six singers, eight players based on the novel by Gertrude Stein. world premiere at the Walker Art Center, Minneapolis.

11-20-08 to 11-23-08

The Making of Americans, opera for six singers, eight players based on the novel by Gertrude Stein. Workshop performances at Kresge Theater, MIT, Boston.

10-8-08

Lucky Dreams for bass clarinet, piano, two percussion: commissioned and performed by Zeitgeist at the University of Minnesota/Minneapolis.

7-14-08

Black Dog/Lucky Dog for electric guitar and string quartet: Michael Nicoletta and the odeonquartet. 7/14/08 Chapel Performance Space, Seattle, WA.

4-9-08

String Quartet, performed by JACK string quartet, 4/9/08, Queensborough Community College (CUNY), New York City.

7-28-07

Madmen and Horses, for solo trombone, sound design and media projection, performed by Patrick Crossland, Berlin, Germany.

Education

Institution	Degree	Year(s)	Discipline
Yale University School of Music	Doctor of Musical Arts	2001	Music Composition
Yale University School of Music	Master of Musical Arts	1994	Music Composition
University of Texas/Austin	Master of Music	1991	Music Composition
Grinnell College	Bachelor of Arts	1985	Music

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2011	The Genesis of Secrecy	\$1,000.00	Melanie Sehman
2010	Wise Blood	\$2,500.00	PSC-CUNY Research Award
2010	Portrait of Eva Hesse (palindrome)	\$1,500.00	Proper Glue Ensemble
2009	Elijah's Wake	\$2,000.00	Open Eye Figure Theater
2009	Monster	\$3,000.00	Rebecca Pappas and Dancers
2009	Wise Blood	\$8,000.00	Ensemble Laboratorium
2008	The Making of Americans	\$1,000.00	American Music Center Composer Assistance Program
2006-2008	The Making of Americans	\$10,000.00	Meet the Composer, Inc: Commissioning Music Fund; Creative Connections Award

2007	The Making of Americans	\$3,750.00	PSC-CUNY Faculty Research Award
2007	The Making of Americans	\$1,000.00	Fundacion Valparaiso
2006	The Making of Americans	\$9,000.00	Jerome Foundation
2005	The Making of Americans	\$7,000.00	National Endowment of the Arts through Walker Art Center and Zeitgeist

Attachments

Description	File Name	File Size	Date Attached
Project Description	Gatto_Wise_Blood_PSC_Proj.13.pdf	162082	12/15/2013 11:03:57 AM
Supplementary Material	Gatto_CV_2013.pdf	97969	12/15/2013 11:23:25 AM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00

Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
General Office Supplies/Xeroxing Defray cost of reproduction of music manuscript and parts for conductor, music production team, and opera ensemble.		1.00 0.00	1.00
Manuscript Preparation/ Publication Costs Defray cost of music manuscript copying, parts preparation, and piano-vocal score reduction, using Sibelius music notation software, for opera musicians: large brass ensemble, chamber musicians, small chorus, and five principal singers.		487.50 0.00	487.50
Domestic Travel Defray costs of travel for summer 2014 and world premiere May 2015. Summer 2014: Round trip driving from NYC to Minneapolis (1200 miles x \$.55 = \$660) Driving is necessary to transport vintage keyboards and sound reinforcement equipment for use in the production. Premiere production last two weeks of May 2015: Round-trip airline travel NYC-MPLS = \$440 Per diem for premiere production (two weeks in Minneapolis, May 2015): \$106.50 (first + last day per diem in Minneapolis) \$852 (\$71 X 12 days in Minneapolis) \$958.50 TOTAL		1000.00 0.00	1000.00
Summer Salary (Principal Investigator) For the month of June 2014 I received an invitation as an Artist-in-Residence at the Willapa Bay Residency program, Washington, to compose music for WISE BLOOD. During July and August of 2014 I will be in Minnesota composing, and collaborating on the film and installation elements of this work with Chris Larson.	Fringe Benefit Expense	3500.00 1011.50	4511.50
		Total	6000.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-248 Rank: Assistant Professor Tenured: No College: NEW YORK COLLEGE OF TECHNOLOGY Panel: Physics & Engineering Discipline : Physics Co-PI :	Name : Kolmakov, German Address : Telephone : Email:
--	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PHYSICS

Title of Proposed Project: Turbulence of Exciton and Polariton Bose-Einstein Condensates in Semiconductor Heterostructures
--

Brief Abstract

The objective of the proposed research is to study the nonlinear dynamics and turbulence of a Bose-Einstein condensate (BEC) of excitons and polaritons in semiconductor heterostructures. Understanding of the exciton and polariton dynamics is of importance due to potential applications in optical and quantum information processing. By using the non-equilibrium Gross-Pitaevskii equation for a BEC, we will explore the conditions for the exciton and polariton turbulence formation and will formulate the guidelines for observing the BEC turbulence in semiconductors. The proposed research is timely in terms of addressing issues related to the practical design of optoelectronic devices, and because all necessary components of the proposed design have been realized in recent experiments.

Relevant Publications & Scholarship

1. O. L. Berman, R. Ya. Kezerashvili, G. V. Kolmakov, "On nonlinear dynamics of a dipolar exciton BEC in two-layer graphene", Physics Letters A 376, 3664-3667 (2012).
2. O. L. Berman, R. Ya. Kezerashvili, G. V. Kolmakov, and Yu. E. Lozovik, "Turbulence in a Bose-Einstein condensate of dipolar excitons in coupled quantum wells", Phys. Rev. B 86, 045108 (2012).
3. A. N. Ganshin, V. B. Efimov, G. V. Kolmakov, L. P. Mezhev-Deglin, P. V. E. McClintock, "Nonlinear second sound waves in superfluid helium: instabilities, turbulence and rogue waves", International Journal of Bifurcation and Chaos 22 (10) 1250242 (20 pages) (2012).
4. O. L. Berman, R. Ya. Kezerashvili, G. V. Kolmakov, "Introduction to Nonlinear Phenomena in Superfluid Liquids and Bose-Einstein Condensates: Helium, Semiconductors and Graphene", Contemporary Physics, 52 (4), 319-340 (2011).
5. A. Gothandaraman, S. Sadatian, M. Faryniarz, O.L. Berman, G.V. Kolmakov, "Application of Graphics Processing Units (GPUs) to the Study of Non-linear Dynamics of the Exciton Bose-Einstein Condensate in a Semiconductor Quantum Well", 2011 Symposium on Application Accelerators in High-Performance Computing (SAAHPC), IEEE

Conference, pp.68-71, 19-21 July 2011, doi: 10.1109/SAAHPC.2011.32.

6. A.N. Ganshin, V.B. Efimov, G.V. Kolmakov, L.P. Mezhev-Deglin, P.V.E. McClintock, "Experiments on wave turbulence: the evolution and growth of second sound acoustic turbulence in superfluid He-4 confirm self-similarity", New J. Physics 12, 083047 (2010).

7. V.B. Efimov, A.N. Ganshin, G.V. Kolmakov, P.V.E. McClintock, L.P. Mezhev-Deglin "Rogue waves in superfluid helium", European Phys. J. – Special Topics 185 , 181-193 (2010).

8. V.B. Efimov, A.N. Ganshin, G.V. Kolmakov, P.V.E. McClintock, L.P. Mezhev-Deglin "Acoustic turbulence in superfluid He-4", J. Low. Temp. Phys. 156, 95-115 (2009).

9. A.N. Ganshin, V.B. Efimov, G.V. Kolmakov, L.P. Mezhev-Deglin, and P.V.E. McClintock, Observation of an inverse energy cascade in developed acoustic turbulence in superfluid helium, Phys. Rev. Lett. 101 (6), 065303 (2008).

10. L.P. Mezhev-Deglin, V.B. Efimov, A.V. Lokhov, A.A. Levchenko, G.V. Kolmakov, L.V. Abdurakhimov, M.Yu. Brazhnikov, E.V. Lebedeva, R. May, V.V. Nesvizhevsky, A.V. Muzychka, E.V. Lychagin, and A.V. Strelkov, Neutron studies of impurity gels of heavy water and deuterium in superfluid He-II, J. Low Temp. Phys. 50 206-211 (2008).

10. P.V.E. McClintock, V.B. Efimov, A.N. Ganshin, G.V. Kolmakov, and L.P. Mezhev-Deglin, Turbulence of second sound waves in superfluid 4He: effect of low frequency periodic perturbation, J. Low Temp. Phys. 150 394-401 (2008).

11. A.N. Ganshin, P.V.E. McClintock, V.B. Efimov, G.V. Kolmakov, and L.P. Mezhev-Deglin, Observation of acoustic turbulence in a system of nonlinear second sound waves in superfluid 4He, Low Temp. Phys., 34 (4-5) 288-292 (2008).

EXPERIENCE (the past five years):

Assistant Professor (8/2011–) NYC College of Technology, City University of New York

Research Assistant Professor (2/2011-8/2011) University of Pittsburgh, Department of Chemistry

Research Associate (2/2008-1/2011) University of Pittsburgh, Department of Chemical and Petroleum Engineering

EPSRC Research Fellow (9/2005-8/2007) Department of Physics, Lancaster University, Lancaster, UK.

AWARDS AND PROFESSIONAL SOCIETIES:

Fellow of the Institute of Physics (2008–).

Education

Institution	Degree	Year(s)	Discipline
LD Landau Inst. for Theor. Physics	Ph.D.	1995	Theoretical Physics
Moscow Inst. of Phys. and Technology	MS w. Honors	1991	Physics and Engineering

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
July 2012 - Dec 2013	Nonlinear Dynamics of Exciton and Polariton Bose-Einstein Condensates: Faculty and Student Research	\$3,500.00	PSC CUNY
July 2013 - June 2014	Steering the Polariton Bose-Einstein Condensate in a Semiconductor Microcavity	\$3,500.00	PSC CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	psscuny2014.pdf	4161023	12/5/2013 12:22:04 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
General Office Supplies/Xeroxing Paper and general office supplies; postal expenses		226.44 0.00	226.44
Manuscript Preparation/ Publication Costs Publication fee, colorprint fee, reprints orders for Phys Rev and Phys Rev Letters journals		450.00 0.00	450.00

<p>Research Staff</p> <p>An undergraduate student will participate in the research. The student will be paid for the work during two semester, 30 hours/semester, \$15/hour.</p>	<p>Fringe Benefit Expense MTA Payroll Tax</p>	<p>900.00 88.56</p>	<p>988.56</p>
<p>Domestic Travel</p> <p>Conference fee for the annual APS March Meeting (\$435); scientific visits to Prof. L. Butov, UCSD, San Diego (\$1000) and to Prof. D. Snoke, Pittsburgh Univ., Pittsburgh (\$400), to present the research results and discuss experimental aspects of the work.</p>		<p>1835.00 0.00</p>	<p>1835.00</p>
		<p>Total</p>	<p>3500.00</p>

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-701 Rank: Assistant Professor Tenured: No College: LAGUARDIA C.C Panel: Physics & Engineering Discipline : Engineering Co-PI :	Name : Eze, Reginald Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department MATHEMATICS, ENGINEERING, AND COMPUTER SCIENCE

Title of Proposed Project:

Short Pulse Laser Transport through Thin Scattering and Absorbing Layers for Biomedical Applications.

Brief Abstract

A numerical study is proposed to analyze short pulse laser propagation through thin scattering layer piles. Modern applications of lasers in medicine and biomedicine, involve understanding the transport of radiation through thin scattering and absorbing layers. However, most numerical models may inaccurately account for the presence of thin layers. For example, the skin epidermis, which is geometrically very thin, with its highly absorbing melanin, is known to influence laser penetration significantly. If the numerical model is implemented without special features, then the results of the simulation will show incorrect effects of thin layers because the average path length of photons would be assumed significantly larger than the layers' thickness to feel their presence. We propose an efficient stochastically variant quasi-Monte Carlo algorithm for capturing the effects of thin scattering layers that continually modifies the path length of photons for short temporal spans.

Relevant Publications & Scholarship

PATENT:

Optical Sensor for Measuring Thin Film Deposition in Real Time(US Patent # 7630590)
Publications:

- [1] R. Eze and Y. Hassebo, "Monte Carlo Simulation Of Backscatter Signals Through Thin Scattering Layers For Biomedical Applications", Proceedings of the ASME 2014 International Mechanical Engineering Congress and Exposition, IMECE2014-36352, November 14-20, Montreal, Quebec, Canada, (2014)
- [2] Reginald Eze and Sunil Kumar, "Laser transport through thin scattering layers," Appl. Opt. 49, 358-368 (2010)
- [3] Anisur.Rahman, Reginald. Eze, and Sunil Kumar, "Novel Optical Sensor Based on Morphology Dependent Resonance for Measuring Thermal Deformations in Micro-electromechanical Systems Devices," Journal of Micro/Nanolith. MEMS MOEMS, vol.8, 033071 (2009)
- [4] Reginald Eze and Sunil Kumar," Modeling Fractional Photothermolysis in

Dermatological Applications”, Proceedings of COMSOL Conference, Boston, October 4- 6, 2007

[5] Anisur Rahman, Reginald Eze, and Sunil Kumar, “A Novel Optical Sensor for Monitoring Thin Film Deposition in Real Time”, 18th International Symposium on Transport Phenomena (ISTP-18), Korea, Aug. 27-30, 2007.

[6] Reginald Eze, Anisur Rahman, and Sunil Kumar, “Modeling Absorption of Focused Laser beam in Layered Media” Proceeding of OSA, 3rd Asian & Pacific Rim Symposium on Biophotonics (APBP2007), Cairns, Australia, July 9-11, 2007

[7] Anisur Rahman, Reginald Eze, and Sunil Kumar, “Resonance Conditions in Dielectric Circular Cylinder for Transverse Magnetic Wave for Designing Biosensors”, Proceeding of OSA, 3rd Asian & Pacific Rim Symposium on Biophotonics (APBP2007), Cairns, Australia, July 9-11, 2007.

[8] Reginald Eze, Anisur Rahman, and Sunil Kumar, “Modeling Energy Deposition in Very Thin Layered Media by Monte Carlo Simulation”, ASME Frontiers in Biomedical Devices Conference (BIOMED 2007), Irvine, California, USA, June 7-8, 2007.

[9] Anisur Rahman, Reginald Eze, and Sunil Kumar, “An Optical Fiber Biosensor For Monitoring Drug Delivery”, ASME Frontiers in Biomedical Devices Conference (BIOMED 2007), California, USA, June 7-8, 2007.

[10] Reginald Eze, Sunil Kumar, Nabil Elkouh, Paul Sorenson and Roger Hill, “Monte Carlo for Thin Layered Media”, Tenth Conference on Electromagnetic and Light scattering, Bodrum, Turkey June 2007

[11] Anisur Rahman, Reginald Eze, and Sunil Kumar, “A Novel Optical Thermal Deformation Sensor Based On Whispering Gallery Mode Resonator”, Proceedings of 3rd International Conference on Thermal Engineering: Theory & Application (ICTEA 2007), Amman, Jordan, May 21-23, 2007

Education

Institution	Degree	Year(s)	Discipline
Polytechnic Institute Of New York University	PhD	2010	Mechanical Engineering

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
7/2013-6/2014	Short Pulse Laser Transport through Thin Scattering and Absorbing Layers for Biomedical Applications	\$1,640.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	TRADA-45-701.pdf	179097	12/15/2013 3:03:43 AM

Budgets

Description			Requested Amount

Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Foreign Travel Foreign Travel The PI needs to travel to Montreal Canada, between November 14th-20th 2014 in order to be able to attend and present his work during the ASME 2014 International Mechanical Engineering Congress and Exposition.			1640.00

(Biomedical Engineering Track). The congress duration is 6 days. Total cost of the trip is explained below: Round Trip Ticket from NYC to Montreal during the month of November is about \$600. Ground Transportation: One way trip from the airport is about \$50, so round trip in NYC and Canada is about \$200. One night stay in hotel is about \$100, it is $6 \times \$100 = \600 for six days. Food (within allowable per diem rate:\$40 per day) = \$240. So the total cost is \$1640.00.		1640.00 0.00	
		Total	1640.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-54 Rank: Professor Tenured: Yes College: QUEENS COLLEGE Panel: Physics & Engineering Discipline : Physics Co-PI :	Name : Lisyansky, Alexander Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PHYSICS

Title of Proposed Project: Spaser operation: theory and applications
--

Brief Abstract

The main objective of this research is developing a theoretical basis for designing new spaser based metamaterials with a strong nonlinear response on external optical fields. Since spasers were discovered only recently, their description is based on a simplistic model. We plan to carry out a theoretical study using a realistic model that takes into account non-sphericity of spaser's constituents – a metal nanoparticle (NP) and a two-level system (TLS). This will reveal anisotropy of interactions and allow for the excitation of magnetic modes, which are essential for metamaterials. In contrast to the existing model that allows for a single TLS-NP pair only, we will consider a NP surrounded by many TLS's, which is usually the case in metamaterials. Finally, in order to explore a possibility of creating optical insulators, we will study wave travelling along a chain of plasmonic NPs embedded into a magneto-optical matrix as well as a chain of gyrotropic plasmonic NPs embedded in a gain medium.

Relevant Publications & Scholarship

Reviews:

1. Surface states in photonic crystals, A.P. Vinogradov, A.V. Dorofeenko, A.M. Merzlikin, and A.A. Lisyansky, Phys. – Usp. (Advances in Physical Sciences) 2010, 53, 243.
2. Light propagation in composite materials with gain layers, A.V. Dorofeenko, A.A. Zyablovsky, A.A. Puhov, A.A. Lisyansky, and A.P. Vinogradov, Phys. Usp. (Advances in Physical Sciences) 2012, 55, 1080.
3. Quantum plasmonics of metamaterials: loss compensation using spasers, A.P. Vinogradov, E.S. Andrianov, A.A. Puhov, A.V. Dorofeenko, and A.A. Lisyansky, Phys. Usp. (Advances in Physical Sciences) 2012, 55, 10.

Patent:

4. Defect multiple-quantum-well structure for manipulation of reflection and transmission of light achieved by way of optical control of spatial distribution of electric field across the defect multiple-quantum-well structure, L.I. Deych and A.A. Lisyansky, US Pat.

Selected articles:

5. Tailoring surfaces of one-dimensional magnetophotonic crystals: Optical Tamm state and Faraday rotation, T. Goto, A.V. Baryshev, M. Inoue, A.V. Dorofeenko, A.M. Merzlikin, A.P. Vinogradov, A.A. Lisyansky, and A.B. Granovsky, *Phys. Rev. B*, 79, 125103 (2009) (Selected to be Editor's Suggestion.) (Resulted from PSC-CUNY funding)
6. Dynamics of the radiative recombination in cylindrical nanostructures with type-II band alignment, V. Shuvayev, I. Kuskovsky, L. Deych, and A.A. Lisyansky, *Phys. Rev. B*, 79, 115307 (2009). (Resulted from PSC-CUNY funding)
7. Radiative energy transfer in disordered photonic crystals, M. V. Erementchouk, L. I. Deych, H. Noh, H. Cao, and A. A. Lisyansky, *J. Phys.: Condens. Matter*, 21, 175401 (2009). (Resulted from PSC-CUNY funding)
8. Luminescence properties of a Fibonacci photonic quasicrystals, V. Passias, N. V. Valappil, Z. Shi, A. A. Lisyansky, Lev Deych, and V. M. Menon, *Opt. Express*, 17, 6636 (2009). (Resulted from PSC-CUNY funding)
9. Light Modulator on Excitons in a Quantum Well of an Optical Microcavity, S. G. Erokhin, L. I. Deych, A. A. Lisyansky, and A. B. Granovsky, *Technical Physics Letters*, 35, 785 (2009). (Resulted from PSC-CUNY funding)
10. Inverse Borrmann effect in photonic crystals, A. P. Vinogradov, Yu. E. Lozovik, A. M. Merzlikin, A. V. Dorofeenko, I. Vitebskiy, A. Figotin, A. B. Granovsky, and A. A. Lisyansky, *Phys. Rev. B* 80, 235106 (2009). (Resulted from PSC-CUNY funding)
11. Exciton-lattice polaritons in multiple-quantum well-based photonic crystals, D. Goldberg, L.I. Deych, A.A. Lisyansky, Z. Shi, V.M. Menon, V. Tokranov, M. Yakimov, and S. Oktyabrsky, *Nature Photonics*, 3, 662 (2009). (Resulted from PSC-CUNY funding)
12. Photonic Crystals Built on Contrast in Attenuation in an Immersion Medium, S. G. Erokhin, A. A. Lisyansky, A. M. Merzlikin, A. P. Vinogradov, and A. B. Granovsky, *Phys. Solid State*, 52, 65(2010). (Resulted from PSC-CUNY funding)
13. Nonlinear optics: Towards polaritonic logic circuits, L.I. Deych, A.A. Lisyansky, V.M. Menon, *Nature Photonics*, 4, 345 (2010). (Resulted from PSC-CUNY funding)
14. Effect of polarization upon light localization in random layered magnetodielectric media, A. I. Ignatov, A. M. Merzlikin, A. P. Vinogradov, and A. A. Lisyansky, *Phys. Rev. B* 83, 224205 (2011). (Resulted from PSC-CUNY funding)
15. Dipole response of spaser on an external optical wave, E. S. Andrianov, A.A. Pukhov, A.V. Dorofeenko, A.P. Vinogradov, and A.A. Lisyansky, *Opt. Lett.*, 36, 4302 (2011). (Resulted from PSC-CUNY funding)
16. Channel spaser: Coherent excitation of one-dimensional plasmons from quantum dots located along a linear channel, A. A. Lisyansky, I. A. Nechepurenko, A. V. Dorofeenko, A. P. Vinogradov, and A. A. Pukhov, *Phys. Rev. B*, 84, 153409 (2011). (Resulted from PSC-CUNY funding)
17. Forced synchronization of spaser by an external optical wave, E. S. Andrianov, A. A. Pukhov, A. V. Dorofeenko, A. P. Vinogradov, and A. A. Lisyansky, *Opt. Express*, 19, 24849 (2011). (Resulted from PSC-CUNY funding)
18. Rabi oscillations in spasers during non-radiative plasmon excitation, E. S. Andrianov, A. A. Pukhov, A. V. Dorofeenko, A. P. Vinogradov, and A. A. Lisyansky, *Phys. Rev. B*, 85, 035405 (2012). (Resulted from PSC-CUNY funding)
19. Stationary behavior of a chain of interacting spasers, E. S. Andrianov, A. A. Pukhov, A. V. Dorofeenko, A. P. Vinogradov, and A. A. Lisyansky, *Phys. Rev. B*, 85, 165419 (2012). (Resulted from PSC-CUNY funding)
20. Switching waves and dissipative structures in a chain of spasers, E. S. Andrianov, A. A. Pukhov, A. V. Dorofeenko, A. P. Vinogradov, and A. A. Lisyansky, *Quantum Electronics*, 47, 834 (2012). (Resulted from PSC-CUNY funding)
21. Forced Spaser Oscillations, A.A. Lisyansky, E.S. Andrianov, A.V. Dorofeenko, A.A. Pukhov, and A.P. Vinogradov, *Proceeding of SPIE*, 8457, 84570X-1 (2012). (Resulted from PSC-CUNY funding)
22. Using Spaser-Effect for Loss Compensation in Metamaterials, A.P. Vinogradov, E.S. Andrianov, A.A. Pukhov, A.V. Dorofeenko, and A.A. Lisyansky, *AIP Conf. Proc.*, 1475, 92

(2012). (Resulted from PSC-CUNY funding)

23. Spaser Chains, E.S. Andrianov, A.A. Pukhov, A.P. Vinogradov, A.V. Dorofeenko, and A.A. Lisyansky AIP Conf. Proc., 1475, 104 (2012). (Resulted from PSC-CUNY funding)

24. Exactly Solvable Toy Model for SPASER, D. G. Baranov, E.S. Andrianov, A.P. Vinogradov, and A.A. Lisyansky, AIP Conf. Proc., 1475, 110 (2012). (Resulted from PSC-CUNY funding)

25. Optical Bistability in Spaser Chains, A.A. Pukhov, E.S. Andrianov, A.P. Vinogradov, A.V. Dorofeenko, and A.A. Lisyansky, AIP Conf. Proc., 1475, 155 (2012). (Resulted from PSC-CUNY funding)

26. Superradiance and Synchronization of 2D Spaser Array, A.A. Zyablovsky, A.V. Dorofeenko, A.P. Vinogradov, E.S. Andrianov, A.A. Pukhov, and A.A. Lisyansky, AIP Conf. Proc., 1475, 185 (2012). (Resulted from PSC-CUNY funding)

27. About possibility of bistable dynamics in lasers with single-mode cavities, V. Shuvayev, V. Menon, A. Lisyansky, and L. Deych, J. Opt. Soc. Am. B, 30, 87 (2013). (Resulted from PSC-CUNY funding)

28. Exactly solvable toy model for surface plasmon amplification by stimulated emission of radiation, D. G. Baranov, E.S. Andrianov, A.P. Vinogradov, and A.A. Lisyansky, Opt. Express 21, 10779 (2013). (Resulted from PSC-CUNY funding)

29. Modification of the resonance fluorescence spectrum of a two-level atom in the near field of a plasmonic nanoparticle, E.S. Andrianov, A.A. Pukhov, A.P. Vinogradov, A.V. Dorofeenko, and A.A. Lisyansky, JETP Lett., 97, 452 (2013). (Resulted from PSC-CUNY funding)

30. Loss compensation due to the spaser-effect in metamaterials, E.S. Andrianov, D. G. Baranov, A.A. Pukhov, A.V. Dorofeenko, A.P. Vinogradov, and A.A. Lisyansky, Opt. Express, 21, 13467 (2013). (Resulted from PSC-CUNY funding)

31. Magneto-optical spaser, D. G. Baranov, A. P. Vinogradov, A. A. Lisyansky, Yakov M. Strelniker, and David J. Bergman, Opt. Lett., 38, 2002 (2013). (Resulted from PSC-CUNY funding)

32. Steady state superradiance of a 2D-spaser array, A.V. Dorofeenko, A.A. Zyablovsky, A.P. Vinogradov, E.S. Andrianov, A.A. Pukhov, and A.A. Lisyansky, Opt. Express, 21, 14539 (2013). (Resulted from PSC-CUNY funding)

33. Causality and phase transitions in PT-symmetric optical systems, A. A. Zyablovsky, A. P. Vinogradov, A. V. Dorofeenko, A. A. Pukhov, and A. A. Lisyansky, Phys. Rev. A, 033808 (2014).

34. Abrupt Rabi oscillations in a superoscillating electric field, D. G. Baranov, A. P. Vinogradov, and A. A. Lisyansky, Opt. Lett. 39, 6316-6319 (2014).

Education

Institution	Degree	Year(s)	Discipline
Donetsk State University, Ukraine	Ph.D. in Physics	1977	Condensed Matter Theory
Academy of Sciences, Ukraine	Dr. of Phys. & Math. Sciences	1988	Condensed Matter Theory

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
8/2013-7/2016	A new generation of optical and magnetooptical nonlinear materials based on plasmonic gain composite	\$99,848.00	NSF
7/2011-	Periodic double-quantum-well based resonant photonic crystals as a novel	\$6,000.00	PSC-

12/2012	platform for optical device		CUNY
7/2012-12/2013	Spaser-based composites as a platform for a new generation of optical nonlinear materials	\$6,000.00	PSC-CUNY
4/07-10/09	One-dimensional resonant photonic crystals for optoelectronic applications	\$334,649.00	AFSOR

Attachments

Description	File Name	File Size	Date Attached
Project Description	Project_description_2014.pdf	189714	11/22/2013 5:29:48 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
General Office Supplies/Xeroxing An item has been budgeted for supplies to cover costs of general supplies, computer supplies, and computer software and parts.		1540.00 0.00	1540.00
Manuscript Preparation/ Publication Costs An item has been budgeted for covering publication costs. This includes a publication of an article in the journal Optics Express (between \$1,018 and \$1,743).		1800.00 0.00	1800.00
Foreign Travel One four-day trip (Spring semester of the 2014-2015 academic year) to Moscow, Russia, is requested. The purpose of the trip is continuing collaboration with Professor Alexey Vinogradov from the Institute for Theoretical and Applied Electrodynamics, Russian Academy of Sciences. The cost of the trip is expected to be: transportation (air) is \$1100, meals and lodging \$1560 (=6*\$260), total \$2660.		2660.00 0.00	2660.00
		Total	6000.00

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-195 Rank: Assistant Professor Tenured: No College: BROOKLYN COLLEGE Panel: Physics & Engineering Discipline : Engineering Co-PI :	Name : Nakarmi, Mim Lal Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PHYSICAL & ENGINEERING SCIENCES

Title of Proposed Project: Hexagonal Boron Nitride Nanowires for Deep Ultraviolet Photonic applications

Brief Abstract

Hexagonal boron nitride (h-BN) has emerged as a promising deep ultraviolet (DUV) photonic material with the recent demonstration of a direct energy band gap of ~ 5.9 eV, and p-type conductivity by magnesium doping. Development of nanowire structure of h-BN has been proposed for DUV photonic applications. In this project, we plan to develop growth methods to produce high quality h-BN nanowires by the chemical vapor deposition (CVD) technique and characterization them for DUV photonic applications. Scanning electron microscopy, x-ray diffraction, DUV photoluminescence spectroscopy, and transmission electron microscopy will be employed to characterize the materials. Results from these characterization tools will be used to understand the physical properties of the materials and as feedback to optimize the growth processes. We will also investigate doping of h-BN nanowires for p- and n-type conductivities. Electrical properties of the nanowires will be studied by fabricating nanowire based field emission transistor (FET) structures.

Relevant Publications & Scholarship

1. "Electro-optical Effects and Temperature-dependent Electrical Properties of LuFe₂O₄ Thin Films." Cai, B., M.L. Nakarmi, B.S. Franks and R.C. Rai, Thin Solid Films 562, 490(2014).
2. "Properties of ZnO Thin Films Co-doped With Lithium and Phosphorus." Oder, Tom Nelson, Andrew Smith, Mark Freeman, Michael McMaster, Bo Cai and Mim Lal Nakarmi, Journal of Electronic Materials. Online first in March (2014).
3. "Elevated temperature dependent transport properties of phosphorus and arsenic doped zinc oxide thin films", B. Cai, M. L. Nakarmi, T. N. Oder, M. McMaster, N. Velpukonda, and A. Smith, J. Appl. Lett. Phys. 114,223709 (2013).
4. "Properties of Sputter Deposited ZnO Films Co-doped with Lithium and Phosphorus", T. N. Oder, A. Smith, M. Freeman, M. McMaster, B. Cai and M. L. Nakarmi, Mater Res. Soc. Symp. Proc. 1494, Z04-48 (2013).
5. "Spin-Charge-Orbital Coupling in Multiferroic LuFe₂O₄ Thin Films", R. C. Rai, A.

- Delmont, A. Sprow, B. Cai, and M. L. Nakarmi, Appl. Phys. Lett. 100, 212904 (2012).
6. 4. "Elevated temperature dependence of energy band gap of ZnO thin films grown by E-Beam Deposition", R. C. Rai, M. Guminia, S. Wilser, B. Cai, and M. L. Nakarmi, J. Appl. Phys. 111, 073511 (2012)
7. "Three-step growth method for high quality AlN epilayers", M. L. Nakarmi, B. Cai, J. Y. Lin, and H. X. Jiang, Phys. Status Solidi A 209, 126-129 (2012).
8. "Optical and electrical properties of NiFe₂O₄ and CoFe₂O₄ thin films" R. C. Rai, S. Wilser, M. Guminia, B. Cai, and M. L. Nakarmi, Applied Physics A, 104, (2011).
9. "TEM Analysis of Microstructures of AlN/Sapphire Grown by MOCVD." B. Cai, and M. L. Nakarmi, Materials Research Society Symposium Proceedings 1202, I05 (2010).

Education

Institution	Degree	Year(s)	Discipline
Kansas State University	PhD	2005	Experimental Semiconductor Physics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
07/01/2014-06/30/2015	Hexagonal Boron Nitride Nanowires for Deep Ultraviolet Photonic applications	\$5,900.00	PSC-CUNY
07/01/2013-12/31/2014	Hexagonal Boron Nitride for Deep Ultraviolet Photonic applications	\$3,500.00	PSC-CUNY
6/1/2011–12/31/2012	Investigation of threading dislocations in Si- and Mg-doped Aluminum Nitride by high resolution Tran	\$5,966.00	PSC-CUNY
6/1/2009 – 12/31/2010	Growth and characterization of MgZnO and CdZnO alloy nanowires	\$3,168.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Project Description	Project_Description-ver1.pdf	167117	12/6/2013 3:52:31 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll	0.00 0.00	0.00

	Tax		
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs We expect to have data to publish manuscripts in peer reviews journals. This will be used to pay publication charges.		400.00 0.00	400.00
Research Supplies Major expenses in this project will be to purchase the research materials required for the growth of the materials by CVD. Estimated expenses are itemized as following 1. Substrates(sapphire and silicon) ~\$1500 2. Operational gases (Nitrogen and argon) ~\$1500 Since it is a commercial CVD equipment designed for high volume production, operational gases flow rates are high. 3. Precursors		5500.00 0.00	5500.00

and Growth materials (Ammonia borane, magnesium boride, 10% silane mixed with argon)and gold nanoparticles) \$1500 4. Chemicals and materials for sample preparation and handling ~\$1000			
		Total	5900.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-39	Name : Shen, Aidong
Rank: Associate Professor	Address :
Tenured: No	Telephone :
College: CITY COLLEGE	Email:
Panel: Physics & Engineering	
Discipline : Engineering	
Co-PI :	

Human Subject Use No
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department ELECTRICAL ENGINEERING
List of Undesirable Reviewers No

Title of Proposed Project:

II-VI Semiconductor Based Dual-Band Multi-Color Quantum-Well Infrared Photodetectors and Focal Plane Arrays

Brief Abstract

The PI proposes to develop and fabricate multi-color QWIPs and FPAs using selenide-based wide band gap II-VI semiconductors. The material can be grown lattice-matched on InP, with a very large tunable conduction band offset, which make it possible to fabricate QWIP devices covering all the spectral regions of SWIR, MWIR, LWIR, and VLWIR. Since the devices that detect light in different wavelength ranges can all be grown lattice-matched to the InP substrates, a large number of QW repeats can be grown for each individual one-color detector, which ensures the high absorption quantum efficiency in the overall multi-color QWIP device. With the increase of QW repeats, the dark current noise may be significantly reduced and the dark current-noise limited detectivity can be considerably increased. Compared to their III-V counterparts, the wide band gap II-VI semiconductors also have the advantage in suppressing carrier leakage due to intervalley electron scattering.

Relevant Publications & Scholarship

Guopeng Chen, Joel De Jesus, Maria C. Tamargo, and Aidong Shen, "MgSe/ZnSe/CdSe coupled quantum wells grown on InP substrate with intersubband absorption covering 1.55 μm ", Appl. Phys. Lett. 105, 232107 (2014); doi: 10.1063/1.4903823.

Kuaile Zhao, Guopeng Chen, Bing-Sheng Li, and Aidong Shen, "Mid-infrared intersubband absorptions in ZnO/ZnMgO multiple quantum wells", Appl. Phys. Lett. 104, 212104 (2014); doi: 10.1063/1.4880816.

Guopeng Chen, Kuaile Zhao, Maria C. Tamargo, and Aidong Shen, "Near infrared intersubband absorption of CdSe/MgSe quantum wells grown on InP substrate with an InAlAs buffer layer", J. Vac. Sci. Technol. B 32 02C105 (2014).

Aidong Shen, "MBE-grown wide band gap II-VI semiconductor quantum structures for intersubband devices (invited)", presented at the 12th International Conference on Intersubband Transitions in Quantum Wells (ITQW2013), Bolton Landing, NY, USA, Sept. 15-20, 2013.

Aidong Shen, Arvind P. Ravikumar, Guopeng Chen, Kuaile Zhao, Adrian Alfaro-Martinez, Thor Garcia, Joel de Jesus, Maria C. Tamargo, and Claire Gmachl, "MBE growth of ZnCdSe/ZnCdMgSe quantum-well infrared photodetectors", J. Vac. Sci. Technol. B 31, 03C113 (2013).

Arvind P. Ravikumar, Guopeng Chen, Kuaile Zhao, Yue Tian, Paul Prucnal, Maria C. Tamargo, Claire Gmachl, and Aidong Shen "Room temperature and high responsivity short wavelength II-VI quantum well infrared photodetector", Appl. Phys. Lett. 102, 161107 (2013).

Aidong Shen, Guopeng Chen, Kuaile Zhao, Jung-Tso Lai, and Maria C. Tamargo, "Metastable CdSe/MgSe quantum wells prepared by MBE with near IR intersubband absorption", J. Vac. Sci. Technol. B 31, 03C103 (2013).

J. De Jesus, T. A. Garcia, S. Dhomkar, A. Ravikumar, C. Gmachl, G. Chen, A. Shen, D. Ferizovic, M. Muñoz, M. C. Tamargo, "Characterization of the three-well active region of a quantum cascade laser using contactless electroreflectance", J. Vac. Sci. Technol. B 31, 03C134 (2013).

T. A. Garcia, S. Hong, M. Tamargo, J. de Jesus, V. Deligiannakis, A. Ravikumar, C. Gmachl, A. Shen, "Improved Electrical Properties and Crystalline Quality of II-VI Heterostructures for Quantum Cascade Lasers", J. Vac. Sci. Technol. B 31, 03C133 (2013).

Arvind P. Ravikumar, Adrian Alfaro-Martinez, Guopeng Chen, Kuaile Zhao, Maria C. Tamargo, Claire F. Gmachl, and Aidong Shen, "ZnCdSe/ZnCdMgSe quantum well infrared photodetector", Optics Express 20, 22391-22397 (2012).

Kuaile Zhao, and Aidong Shen, "Increasing ZnO growth rate by modifying oxygen plasma conditions in plasma-assisted molecular beam epitaxy", World J. Cond. Mat. Phys. 2, 160-164 (2012).

K. Zhao, L. Ye, M.C. Tamargo, and A. Shen, "Plasma-assisted MBE growth of ZnO on GaAs substrate with a ZnSe buffer layer", Phy. Status Solidi c 9, 1809-1812 (2012).

K. Zhao, S. Wang, and A. Shen, "ZnO grown on (111) ZnS substrates by plasma-assisted molecular beam epitaxy", J. Elec. Mater. 41, 2151-2154 (2012).

R. Moug, A. Alfaro-Martinez, L. Peng, T. Garcia, V. Deligiannakis, A. Shen, and M. Tamargo, "Selective etching of InGaAs/InP substrates from II-VI multilayer heterostructures", Phy. Status Solidi c 9, 1728-1731 (2012).

R.T. Moug, H. Sultana, Y. Yao, A. Alfaro-Martinez, L. Peng, T. Garcia, A. Shen, C. Gmachl, and M.C. Tamargo, "Optimization of Molecular Beam Epitaxy (MBE) Growth for the Development of Mid-Infrared (IR) II-VI Quantum Cascade Lasers", J. Elec. Mater. 41, 944-947 (2012).

Qiang Zhang, Aidong Shen, Igor L. Kuskovsky, and Maria C. Tamargo, "Role of magnesium in band gap engineering of sub-monolayer type-II ZnTe quantum dots embedded in ZnSe", J. Appl. Phys. 110, 034302 (2011).

Yu Yao, Adrian Alfaro-Martinez, Kale J. Franz, William O. Charles, Aidong Shen, Maria C.

Tamargo, and Claire F. Gmachl, "Room temperature and narrow intersubband electroluminescence from ZnCdSe/ZnCdMgSe quantum cascade laser structures", Appl. Phys. Lett. 99, 041113 (2011).

Bidisha Roy, Aidong Shen, Maria C. Tamargo, and Igor L. Kuskovsky, "Effects of varying MBE growth conditions on layered Zn-Se-Te structures", J. Elec. Materials 40, 1775-1780 (2011).

J.D. Wu, Y.S. Huang, D.Y. Lin, W.O. Charles, A. Shen, M.C. Tamargo, and K.K. Tiong, "Temperature-dependent photoluminescence and contactless electroreflectance characterization of a ZnCdSe/ZnCdMgSe asymmetric coupled quantum well structure", J. Alloys & Compounds, 509, 3751-3755 (2011).

J.D. Wu, Y.S. Huang, B.S. Li, A. Shen, M.C. Tamargo, and K.K. Tiong, "Photoluminescence and photorefectance characterization of ZnCdSe/MgSe multiple quantum wells", J. Appl. Phys. 108, 123105 (2010).

Aidong Shen (ed.), "Papers from the 26th North American Molecular Beam Epitaxy Conference", (AIP Press, New York, 2010), ISBN 978-0-9823012-4-1.

Qiang Zhang, Yunpu Li, Xuejun Liu, Daniela Pagliero, Aidong Shen, Carlos A. Meriles and Maria C. Tamargo, "Dependence of electron spin relaxation times on the crystal orientation of CdTe grown on (100)ZnSe/GaAs substrates", Phys. Stat. Sol. (c) 7, 1665 (2010).

Jiun-De Wu, Chen-Tai Huang, Ying-Sheng Huang, William O. Charles, Aidong Shen, Qiang Zhang, and Maria. C. Tamargo, "Optical characterization of intersubband transitions in ZnCdSe/ZnCdMgSe asymmetric coupled quantum well structures by contactless electroreflectance", Phys. Stat. Sol. (c) 7, 1530 (2010).

W. O. Charles, Y. Yao, K. J. Franz, Q. Zhang, A. Shen, C. Gmachl and M. C. Tamargo, "Growth of $\text{Zn}_x\text{Cd}(1-x)\text{Se}/\text{Zn}_x\text{Cd}_y\text{Mg}(1-x-y)\text{Se}-\text{InP}$ Quantum Cascade Structures for Emission in the 3 – 5 μm Range", J. Vac. Sci. Technol. B 28, C3G24 (2010).

Qiang Zhang, Yunpu Li, Daniela Pagliero, William Charles, Aidong Shen, Carlos A. Meriles, Maria C. Tamargo, "Controlled growth of (100) and (111) CdTe epitaxial layers on (100) GaAs by molecular beam epitaxy and study of their electron spin relaxation times", J. Vac. Sci. Technol. B 28, C3D1 (2010).

S.K. Zhang, T. Myint, W.B. Wang, B.B. Das, N. Perez-Paz, H. Lu, M.C. Tamargo, A. Shen, and R.R. Alfano, "Optical study of strongly coupled CdSe quantum dots", J. Vac. Sci. Technol. B 28, C3D17 (2010).

J.D. Wu, C. T. Huang, Y.S. Huang, W.O. Charles, A. Shen, and M.C. Tamargo, "Photorefectance and Fourier transform infrared spectroscopy study of intersubband transitions of a $\text{Zn}_x\text{Cd}_{1-x}\text{Se}/\text{Zn}_x\text{Cd}_y\text{Mg}_{1-x-y}\text{Se}$ asymmetric coupled quantum well structure for quantum cascade laser application", Appl. Phys. Lett., 95, 191905 (2009).

J.D. Wu, J.W. Lin, Y.S. Huang, W.O. Charles, A. Shen, Q. Zhang, and M.C. Tamargo, "Characterization of a ZnCdSe/ZnCdMgSe multiple quantum well structure for mid-infrared device applications by contactless electroreflectance and Fourier transform infrared spectroscopy", J. Phys. D: Appl. Phys. 42, 165102 (2009).

Qiang Zhang, William Charles, Bingsheng Li, Aidong Shen, Carlos A. Meriles, and Maria C. Tamargo, "Control of crystal orientation of CdTe epitaxial layers grown on (001) GaAs with ZnSe buffer layer by molecular beam epitaxy", J. Crystal Growth, 311, 2603-2607 (2009).

A. Shen, W.O. Charles, B.S. Li, K.J. Franz, C. Gmachl, Q. Zhang, and M.C. Tamargo, "Wide band gap II-VI selenides for short wavelength intersubband devices", J. Crystal Growth, 311, 2109 (2009).

B.S. Li, A. Shen, W.O. Charles, Q. Zhang, and M.C. Tamargo, "Growth and properties of wide band gap MgSe/ZnxCd1-xSe multiple quantum wells for intersubband devices operating at short wavelengths", J. Crystal Growth 311, 2113 (2009).

B.S. Li, K. Akimoto, and A. Shen, "Growth of Cu₂O thin films with high hole mobility by introducing a low temperature buffer layer", J. Crystal Growth 311, 1102 (2009).

Education

Institution	Degree	Year(s)	Discipline
Xiamen University	B. S.	1987	Physics
Chinese Academy of Science	Ph. D.	1992	Applied Physics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2010-2014	Intersubband Ultrafast All-Optical Switches from Wide Band Gap II-VI Semiconductors	\$285,128.00	NSF
2013	Chip-Scale THz Phased Array Antenna for THz Imaging Systems	\$45,000.00	City SEED
2012-2013	Building Nanoscale Epitaxial Heterostructures of Topological Superconductors	\$30,000.00	CUNY CIRG
2012-2013	Two-color quantum-well infrared photodetectors from ZnCdMgSe-based II-VI semiconductors	\$6,000.00	PSC-CUNY
2011-2012	Molecular Beam Epitaxy of Topological Insulators and Heterostructures	\$48,525.00	City SEED
2011-2012	Study of Structural and Electrical Properties of MOCVD-Grown GaN	\$30,000.00	IQE RF LLC
2009-2011	II-VI semiconductor multilayer optical limiters	\$40,000.00	Physical Optical Corporation
2009-2010	MBE Growth and Characterization of ZnO-based semiconductors for Intersubband Devices	\$2,500.00	PSC CUNY
2008-2009	Study of Intersubband Transitions in ZnCdSe/ZnMgSe QWs for Ultrafast Optical Switches	\$3,139.00	PSC-CUNY
2008-2010	Two-color quantum-well infrared photodetectors based on wide band gap II-VI semiconductors	\$38,000.00	CUNY CIRG
2009-2011	MRI: Acquisition of a multi-pocket e-beam evaporator for nano/micro facility at CCNY	\$234,400.00	NSF

2009-2011	MRI: Acquisition of a High Resolution X-Ray Diffraction System for Materials Research at CCNY	\$475,000.00	NSF
2008-2011	Nanoscale Photonic and Optoelectronic Materials and Devices	\$720,489.00	Department of Defense
2008-2014	NSF-CREST: Center for the Exploitation of Nanostructures in Sensing and Energy Systems	\$5,000,000.00	NSF
2006-2016	NSF ERC Center for Mid-Infrared Technologies for Health and the Environment	\$30,000,000.00	NSF

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Budget_Justification.docx	16431	12/6/2013 12:09:25 PM
Project Description	Project_description.pdf	387190	12/12/2013 11:10:12 AM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00

Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
General Office Supplies/Xeroxing This will be used to cover some general office supplies that are essential for performing the proposed research.		600.00 0.00	600.00
Domestic Travel This is for travel to a scientific conference in the area related to the proposed research. The estimated expense include conference registration fee, air tickets, and accommodation, etc.		1800.00 0.00	1800.00
Research Supplies This will partially cover the materials and supplies for the proposed research.		3009.60 0.00	3009.60
Research Staff This is to pay partially a PhD student's stipend. The student will work on the proposed project.	Fringe Benefit Expense MTA Payroll Tax	6000.00 590.40	6590.40
		Total	12000.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-88 Rank: Professor Tenured: Yes College: HUNTER COLLEGE Panel: Physics & Engineering Discipline : Physics Co-PI :	Name : Bergou, Janos Address : Telephone : Email:
---	--

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PHYSICS AND ASTRONOMY

List of Undesirable Reviewers No

Title of Proposed Project: Quantum state discrimination: outstanding open problems
--

Brief Abstract

Recently we have made significant progress in the area of quantum state discrimination by solving two of the longest standing unsolved problems: unambiguous discrimination among more than two pure quantum states and optimal interpolation between the minimum error and the unambiguous strategies. In this project the PI with three graduate students will further investigate these problems. In the area of unambiguous discrimination we will generalize the solution from pure states to mixed states, another longstanding unsolved problem in itself. In the area of the optimal interpolation strategy we will generalize the strategy from pure to mixed states, a problem called subspace discrimination. We will also develop a linear optical implementation of the optimal scheme, using one-photon interferometry. In addition, we will apply these techniques to two recently emerging problems: the discrimination of continuous variable states, a rapidly evolving area in quantum information processing; and to the theory of optimized sequential measurements based on our own recent work.

Relevant Publications & Scholarship

List of publications by Dr. János Bergou

1. J. Bergou, Gy. Farkas, and Z. Gy. Horváth, The probability distribution of optical field emission counts, Acta Phys. Hung. 32, 319-322 (1972).
2. J. Bergou and J. Rónaky, Calculation of the Faraday signal of a magneto-optical memory in the presence of magnetic circular dichroism, Optica Applicata V, 61-63 (1975).
3. J. Bergou, Approximation methods in the semiclassical theory of multiphoton processes, Acta Phys. Hung. 39, 183-190 (1975).
4. J. Bergou, Charged particle scattering in the presence of an external electromagnetic field, Acta Phys. Hung. 40, 55-61 (1976).
5. Bergou J., Fényszórás kétatomos molekulákon (Light scattering on diatomic molecules, in Hungarian), Magyar Fizikai Folyóirat (Hungarian Journal of Physics) XXV/1, 1-40 (1977).

6. K. Rózsa, M. Jánosy, J. Bergou, and L. Csillag, Noble gas mixture hollow-cathode laser with internal anode system, *Opt. Commun.* 23, 15-18 (1977).
7. K. Rózsa, M. Jánosy, L. Csillag, and J. Bergou, CW aluminum ion laser in a high voltage hollow-cathode discharge, *Phys. Lett.* 63A, 231-232 (1977).
8. K. Rózsa, M. Jánosy, L. Csillag, and J. Bergou, CW CuI laser in a hollow anode-cathode discharge, *Opt. Commun.* 23, 162-164 (1977).
9. M. Jánosy, K. Rózsa, L. Csillag, and J. Bergou, New cw laser lines in a noble gas mixture high voltage hollow cathode discharge, *Phys. Lett.* 68A, 317-319 (1978).
10. J. Bergou, Wavefunctions of a free electron in an external field and their applications in intense field interactions, I. Nonrelativistic treatment, *J. Phys. A: Math. Gen.* 13, 2817-2822 (1980).
11. J. Bergou and S. Varró, Wavefunctions of a free electron in an external field and their application in intense field interactions, II. Relativistic treatment, *J. Phys. A: Math. Gen.* 13, 2823-2837 (1980).
12. J. Bergou and S. Varró, Optically induced band structure of free electrons in an external plane wave field, *J. Phys. A: Math. Gen.* 13, 3553-3559 (1980).
13. J. Bergou and S. Varró, Nonlinear scattering processes in the presence of a quantized radiation field, I. Nonrelativistic treatment, *J. Phys. A: Math. Gen.* 14, 1469-1482 (1981).
14. J. Bergou, S. Varró, and M. V. Fedorov, e-e Scattering in the presence of an external field, *J. Phys. A: Math. Gen.* 14, 2305-2315 (1981).
15. J. Bergou and S. Varró, Nonlinear scattering processes in the presence of a quantized radiation field, II. Relativistic treatment, *J. Phys. A: Math. Gen.* 14, 2281 (1981).
16. J. Bergou and S. Varró, On the quantum mechanical states of a free charged particle in a uniform magnetic field and a laser field, *J. Phys. B: At. Mol. Phys.* 15, L179-L184 (1982).
17. J. Bergou and F. Ehlotzky, Exact quantum mechanical states of a model atom in a uniform magnetic field and in a laser field, *J. Phys. B: At. Mol. Phys.* 15, L185-L189, (1982).
18. Bergou J., Elektrodinamika lézerterekben (Electrodynamics in laser fields, in Hungarian), *Magyar Fizikai Folyóirat XXXII*, 1-55 (1982).
19. J. Bergou, F. Ehlotzky, and S. Varró, Charged particle scattering in a magnetic and a laser field and nonlinear bremsstrahlung, *Phys. Rev. A* 26, 470 (1982).
20. F. A. Hopf and J. Bergou, Analytic solution of a laser amplifier with a delayed swept-gain boundary, *Opt. Lett.* 7, 411 (1982).
21. J. Bergou and S. Varró, Nonlinear bremsstrahlung of electrons in the presence of a magnetic and a laser field, *Appl. Phys. B* 28, 105 (1982).
22. J. Bergou, S. Varró, Gy. Farkas, and M. V. Fedorov, Absorption and stimulated emission of quanta of an external inhomogeneous electromagnetic field by a free electron, *Sov. Phys. JETP* 58, 33 (1983).
23. J. Bergou and F. Ehlotzky, Relativistic quantum states of a particle in an electromagnetic plane wave and a homogeneous magnetic field, *Phys. Rev. A* 27, 2291 (1983).
24. A. P. Kazantsev, V. L. Pokrovsky, and J. Bergou, Rydberg atoms in weak magnetic fields, *Phys. Rev. A* 28, 3659 (1983).
25. J. Bergou, Gauge invariance and gauge independence in optical transitions, *J. Phys. B* 16, L647 (1983).
26. S. Varró, F. Ehlotzky, and J. Bergou, Scattering of light by an electron in the presence of a magnetic field and a strong microwave field, *J. Phys B* 17, 483 (1984).
27. R. R. Schlicher, W. Becker, J. Bergou, and M. O. Scully, Interaction Hamiltonian in quantum optics or p.A vs. E. r revisited, in *Quantum Electrodynamics and Quantum Optics*, NATO ASI series vol. 110, ed. A. O. Barut (Plenum, N.Y., 1984), p. 405.
28. J. Bergou and M. O. Scully, Multistability in an optical waveguide with nonlinear boundaries, *Acta Phys. Austriaca* 57, 139 (1985).
29. J. Bergou and F. Ehlotzky, Potential scattering of electrons in a quantized radiation field, *Phys. Rev A* 33, 3054 (1986).
30. J. Bergou and F. Ehlotzky, Radiative properties of a model atom in external fields, *J. Phys. B.* 19, 3227 (1986).

31. P. Kálmán and J. Bergou, Internal conversion in an intense radiation field, *Phys. Rev. C* 34, 1024 (1986).
32. F. A. Hopf, J. Bergou, and S. Varró, Transient and asymptotic small signal gain in laser amplifiers, *Phys. Rev A* 34, 4821 (1986).
33. J. Bergou and M. Orszag, Dynamically correlated spontaneous emission laser: Theory and comparison with experiment, *Journ. Opt. Soc. Am. B* 5, 249 (1988).
34. M. O. Scully, K. Wódkiewicz, M. S. Zubairy, J. Bergou, N. Lu, and J. Meyer ter Vehn, Two-photon correlated spontaneous emission laser: Quantum noise quenching and squeezing, *Phys. Rev. Letters* 60, 1832 (1988).
35. J. A. Bergou, M. Orszag, and M. O. Scully, Correlated emission laser: Nonlinear theory of the quantum beat laser, *Phys. Rev. A* 38, 754 (1988).
36. J. Bergou and M. Orszag, Correlated emission laser: Theory of the quantum beat micromaser, *Phys. Rev. A* 38, 763 (1988).
37. J. Bergou, M. Orszag, and M. O. Scully, Correlated emission laser: Phase noise quenching via coherent pumping and the effect of atomic motion, *Phys. Rev. A* 38, 768 (1988).
38. J. Bergou, M. Orszag, M. O. Scully, and K. Wódkiewicz, Squeezing and quantum-noise quenching in phase-sensitive optical systems, *Phys. Rev. A* 39, 5136 (1989).
39. N. Lu, F.-X. Zhao, and J. Bergou, Nonlinear theory of a two-photon correlated spontaneous emission laser: A coherently pumped two-level two-photon laser, *Phys. Rev. A* 39, 5189 (1989).
40. F.-X. Zhao, M. Orszag, J. Bergou, and S.-Y. Zhu, Enhanced transient squeezing in the Jaynes-Cummings model with atomic coherence, *Physics Lett. A* 137, 479 (1989).
41. J. Bergou, L. Davidovich, M. Orszag, C. Benkert, M. Hillery, and M. O. Scully, Influence of the pumping statistics in lasers and masers, *Optics Commun.* 72, 82 (1989). [Reprinted in *Key Papers in Physics*, Published by the American Institute of Physics "Non Classical Effects in Quantum Optics" Editors: P.Meystre and D.Walls, AIP(1991)].
42. N. Lu and J. Bergou, Quantum theory of a laser with injected atomic coherence: Quantum noise quenching via nonlinear process, *Phys. Rev. A* 40, 237 (1989).
43. N. Lu and J. Bergou, Effects of a squeezed vacuum on a laser exhibiting phase locking: An application to a laser with injected atomic coherence, *Phys. Rev. A* 40, 250 (1989).
44. J. Bergou, N. Lu, and M. O. Scully, The two-photon correlated spontaneous emission laser in a squeezed vacuum, *Optics Commun.* 73, 57 (1989).
45. J. Bergou, L. Davidovich, M. Orszag, C. Benkert, M. Hillery, and M. O. Scully, Role of pumping statistics in maser and laser dynamics: Density matrix approach, *Phys. Rev. A* 40, 5073 (1989).
46. C. Benkert, M. O. Scully, J. Bergou, L. Davidovich, M. Hillery, and M. Orszag, Role of pumping statistics in laser dynamics: Quantum Langevin approach, *Phys. Rev. A* 41, 2756 (1990).
47. C. Benkert, M. O. Scully, J. Bergou, and M. Orszag, Squeezing and quantum noise quenching in masers and lasers through atomic coherence and pump noise reduction, *Phys. Rev. A* 41, 4062 (1990).
48. J. Bergou, C. Benkert, L. Davidovich, M. O. Scully, S. Y. Zhu, and M. S. Zubairy, Double two-photon correlated spontaneous emission lasers as bright sources of squeezed light, *Phys. Rev. A* 42, 5544 (1990).
49. J. Bergou, M. Hillery, and D. Yu, Minimum uncertainty states for amplitude-squared squeezing: Hermite polynomial states, *Phys. Rev. A* 43, 515 (1991).
50. L. Z. Wang, S.-Y. Zhu, and J. Bergou, Generation of sub-Poissonian photon statistics in a two-level atomic oscillator, *Phys. Rev. A* 43, 2436 (1991).
51. J. Bergou and P. Kálmán, Effect of pump statistics on the micromaser, *Phys. Rev. A* 43, 3690 (1991).
52. J. Bergou and P. Bogár, Quantum theory of a noninversion laser with injected atomic coherence, *Phys. Rev. A* 43, 4889 (1991).
53. G. S. Agarwal, J. Bergou, C. Benkert, and M. O. Scully, Noise quenching in lasers and masers by strong coherent pumping, *Phys. Rev. A* 43(RC), 6451 (1991).
54. J. Bergou and B.-G. Englert, Operators of the phase: Fundamentals, *Annals of*

Physics 209, 479 (1991).

55. J. Bergou and M. Hillery, Pump-coupled masers: Transient regime, *Phys. Rev. A* 44, 7502 (1991).

56. S.-Y. Zhu, M. S. Zubairy, C. Su, and J. Bergou, Effects of regular pumping on photon statistics in masers and lasers, *Phys. Rev. A* 45, 499 (1992).

57. M. Orszag, S.-Y. Zhu, J. Bergou, and M. O. Scully, Noise reduction, lasing without inversion, and pump statistics in coherently prepared quantum beat media, *Phys. Rev. A* 45, 4872 (1992).

58. T. Quang, G. S. Agarwal, J. Bergou, M. O. Scully, and H. Walther, Calculation of the micromaser spectrum. I. Green's-function approach and approximate analytical techniques, *Phys. Rev. A* 48, 803 (1993).

59. J. Bergou and M. Hillery, From sub-Poissonian to super-Poissonian pumping in the micromaser: Corrections to reservoir theory, *Phys. Rev. A* 49, 1214 (1994).

60. M. Hillery, D. Yu, and J. Bergou, Effect of the pump state on the behavior of the degenerate parametric amplifier, *Phys. Rev. A* 49, 1288 (1994).

61. P. Bogár, J. Bergou, and M. Hillery, Quantum island states in the micromaser, *Phys. Rev. A* 50, 754 (1994).

62. J. Bergou, J. Zhang, and A. Hourri, Nonlinear theory of a laser with injected atomic coherence, *Phys. Rev. A* 50, 4188 (1994).

63. P. Bogár, J. Bergou, Pump-coupled micromasers: Entangled trapping states of nonlocal fields, *Phys. Rev. A* 51, 2381 (1995).

64. P. Bogár, J. Bergou, and M. Hillery, Pump-coupled high-Q micromasers with conditional measurements of atoms: Transient and steady state entanglement of nonlocal fields, *Phys. Rev. A* 51, 2396 (1995).

65. J. Bergou, Sub-Poissonian photon statistics in the micromaser, *Quantum and Semiclassical Optics* 7, 327 (1995).

66. J. Bergou and P. Bogár, Atomic coherence in lasers and masers, *Quantum and Semiclassical Optics* 7, 343 (1995).

67. J. Bergou and D. Zhao, Effect of a squeezed vacuum input on optical bistability, *Phys. Rev. A* 52, 1550 (1995).

68. J. Bergou, J. Zhang, and C. Su, Field dynamics, instabilities and phase squeezing in the two-photon correlated emission laser, *Phys. Rev. A* 52, 3183 (1995).

69. M. Hillery, D. Yu, and J. Bergou, The role of the pump state in the parametric amplifier, *Phys. Rev. A* 52, 3209 (1995).

70. M. Artoni and J. Bergou, Non-classical effects in resonance fluorescence from optical molasses, *Phys. Rev. A* 53, 424 (1996).

71. P. Bogár and J. Bergou, Entanglement of atomic beams: Tests of complementarity and other applications, *Phys. Rev. A* 53, 49 (1996).

72. M. Artoni and J. Bergou, Fermi's golden rule and atomic decay in a phase-sensitive reservoir, *Quantum and Semiclassical Optics* 8, 387 (1996).

73. U. Herzog and J. Bergou, Non-Markovian dynamics of the micromaser due to discrete and continuous non-Poissonian pumping, *Phys. Rev. A* 54, 5334 (1996).

74. U. Herzog and J. Bergou, Reflection of the Jaynes-Cummings dynamics in the spectrum of the regularly pumped micromaser, *Phys. Rev. A* 55, 1124 (1997).

75. J. Bergou and M. Hillery, Generation of highly entangled field states in multiple micromaser cavities, *Phys. Rev. A* 55, 4585 (1997).

76. P. Bogár and J. Bergou, Two-mode lasing without inversion with injected atomic coherence, *Phys. Rev. A* 56, 1012 (1997).

77. U. Herzog and J. Bergou, Nonclassical maximum-entropy states, *Physical Review A* 56, 1658 (1997).

78. J. Bergou, Entangled fields in multiple cavities as a testing ground for quantum mechanics, *J. Mod. Opt.* 44, 1957 (1997).

79. B.-G. Englert and J. Bergou, Heisenberg's dog and quantum computing, *J. Mod. Opt.* 45, 701 (1998).

80. Y. Abranyos, M. Jakob, and J. Bergou, Quantum eraser and the decoherence time of a local measurement process, *Acta Physica Slovaca* 48, 255 (1998).

81. J. Bergou and P. Bogár, Phase structures in the micromaser photon statistics,

Zeitschrift für Naturforschung 54 A, 39 (1999).

82. J. Bergou, Entangled fields in multiple cavities as a testing ground for quantum mechanics, *Foundations of Physics* 29(4), 503 (1999).
83. J. Bergou, M. Jakob, and Y. Abranyos, Resonance fluorescence of a trapped four-level atom with bichromatic driving, *Acta Physica Slovaca* 49, 501 (1999).
84. Y. Abranyos, M. Jakob, and J. Bergou, Quantum eraser as a testing ground of a measurement process, *Phys. Rev. A* 60, R2618 (1999).
85. M. Jakob and J. Bergou, Resonance fluorescence spectra and squeezing properties of a bichromatically driven four-level atom, *Phys. Rev. A* 60, 4179 (1999).
86. Y. Abranyos, M. Jakob, and J. Bergou, Interference and partial which way information: A quantitative test of duality in two atom resonance fluorescence, *Phys. Rev. A* 61, 013804 (2000).
87. J. Bergou, M. Hillery, and Y. Sun, Nonunitary transformations in quantum mechanics: an optical realization, *J. Mod. Opt.* 47, 487 (2000).
88. J. Bergou, M. Hillery, and P. Bogár, Pump-coupled micromasers: coherent and incoherent coupling, *Optics Commun.* 179, 289 (2000).
89. B.-G. Englert and J. Bergou, Quantitative quantum erasure, *Optics Commun.* 179, 337 (2000).
90. U. Herzog and J. Bergou, Quantum limited linewidth of a good-cavity laser: An analytical theory from near to far above threshold, *Phys. Rev. A* 62, 063814 (2000).
91. M. Jakob, Y. Abranyos, and J. Bergou, Comparative study of hyperbunching in the fluorescence from a bichromatically driven atom, *Journal of Optics B: Quantum and Semiclassical Optics* 3, 130 (2001).
92. Y. Sun, M. Hillery, and J. Bergou, Optimum unambiguous discrimination between linearly independent nonorthogonal quantum states and its optical realization, *Phys. Rev. A* 64, 022311 (2001).
93. Y. Abranyos, M. Jakob, and J. Bergou, Quantum measurement apparatus with a squeezed reservoir: Control of decoherence and nonlocality in phase space, *Phys. Rev. A* 64, 062102 (2001).
94. J. Bergou, J. Gea-Banacloche, and M. O. Scully, CEL gyroscope with injected squeezed vacuum, *Journal of Modern Optics* 49, 453 (2001).
95. J. Bergou, M. Hillery, and Y. Sun, Optimum discrimination of nonorthogonal quantum states: An optical realization, *Fortschritte der Physik* 49, 915 (2001).
96. T. Bükki, P. Kálmán, and J. Bergou, Nuclear-coupled Rabi flopping, *Phys. Rev. A* 65, 045402 (2002).
97. U. Herzog and J. Bergou, Minimum-error discrimination between subsets of linearly dependent quantum states, *Phys. Rev. A* 65, 050305(R) (2002); quant-ph/0112171.
98. M. Jakob and J. A. Bergou, Polarization-correlated photon pairs in the fluorescence from a bichromatically driven four-level atom, *J. Opt. B: Quantum Semiclass. Opt.* 4, 308 (2002).
99. M. Jakob, Y. Abranyos, and J. Bergou, Degree of entanglement in a quantum-measurement process, *Phys. Rev. A* 66, 022113 (2002); quant-ph/0204054.
100. Y. Sun, M. Hillery, and J. Bergou, Optimum unambiguous discrimination between sets of nonorthogonal quantum states, *Phys. Rev. A* 66, 032315 (2002); quant-ph/0112051.
101. M. Jakob and J. Bergou, Quantitative conditional quantum erasure in two-atom resonance fluorescence, *Phys. Rev. A* 66, 062107 (2002).
102. J. Bergou, U. Herzog, and M. Hillery, From unambiguous quantum state discrimination to quantum state filtering, *Fortschritte der Physik* 51, 73 (2003).
103. U. Herzog and J. Bergou, Minimum-error strategy for discriminating between subsets of nonorthogonal quantum states, *Fortschritte der Physik* 51, 139 (2003).
104. J. Bergou, U. Herzog, and M. Hillery, Quantum state filtering and discrimination between sets of Boolean functions, quant-ph/0209007; *Physical Review Letters* 90, 257901 (2003).
105. M. Hillery, J. Bergou, and E. Feldman, Quantum walks based on an interferometric analogy, quant-ph/0302161; *Physical Review A* 68, 032314 (2003).
106. M. Mohseni, A. M. Steinberg, and J. Bergou, Optical realization of optimal

unambiguous discrimination for pure and mixed quantum states, quant-ph/0401002, Physical Review Letters 93, 00403 (2004).

107. U. Herzog and J. Bergou, Distinguishing mixed quantum states: Minimum-error discrimination versus optimum unambiguous discrimination, quant-ph/0403124; Physical Review A 70, 022302 (2004).

108. E. Andersson, J. Bergou, and I. Jex, Comparison of unitary transforms using Franson interferometry, Journal of Modern Optics 52, 1485 (2005).

109. J. Bergou and M. Hillery, A universal programmable quantum state discriminator that is optimal for unambiguously distinguishing between unknown states, Physical Review Letters 94, 160501 (2005).

110. J. Bergou, U. Herzog, and M. Hillery, Optimal unambiguous filtering of a quantum state: An instance in mixed state discrimination, Physical Review A 71, 042314 (2005).

111. U. Herzog and J. Bergou, Unambiguous discrimination of mixed quantum states, quant-ph/0502117, Physical Review A 71, 050301R (2005).

112. J. Bergou and M. Hillery, Quantum state filtering applied to the discrimination of Boolean functions, Physical Review A 72, 012302 (2005).

113. I. Nemeth and J. Bergou, Quantum theory of the coherently pumped micromaser I: Model and steady state solution, Physical Review A 72, 023823 (2005).

114. U. Herzog and J. Bergou, Optimum measurement for unambiguously discriminating two mixed states: General considerations and special cases, quant-ph/0510170, Journal of Physics: Conference Series 36, 49 (2006).

115. J. Bergou, E. Feldman, and M. Hillery, Unambiguous discrimination of two subspaces, quant-ph/0602093, Physical Review A 73, 032107 (2006).

116. M. Jakob and J. Bergou, Generalized complementarity relations in composite quantum systems of arbitrary dimensions, International Journal of Modern Physics B 20, 1371-1381 (2006).

117. J. Bergou, V. Buzek, E. Feldman, U. Herzog, and M. Hillery, Programmable quantum state discriminators with simple programs, quant-ph/0602164, Phys. Rev. A 73, 062334 (2006).

118. Bing He and J. Bergou, A general approach to physical realization of unambiguous quantum-state discrimination, Physics Letters A 356(4-5), 306-311 (2006).

119. Bing He and J. Bergou, A generalized programmable unambiguous state discriminator for unknown qubit systems, Physics Letters A 359(2), 103-109 (2006).

120. J. Bergou and M. Orszag, Physical implementation of a programmable discriminator for unknown qubit states, J. Opt. Soc. Am. B 24, 384-390 (2007).

121. Bing He and J. Bergou, Programmable unknown quantum-state discriminators with multiple copies of program and data: A Jordan basis approach, Phys. Rev. A 75, 032316 (2007).

122. S. T. Probst-Schendzielorz, A. Wolf, M. Freyberger, I. Jex, B. He, and J. A. Bergou, Unambiguous discriminator for unknown quantum states: An implementation, Phys. Rev. A 75, 052116 (2007).

123. F. de Melo, S. P. Walborn, J. Bergou, and L. Davidovich, Quantum nondemolition test of bipartite complementarity, quant-ph/0702079, Physical Review Letters 98, 250501 (2007).

124. J. Bergou, Quantum state discrimination with selected applications, Journal of Physics: Conference Series 84, 012001 (2007).

125. B. He, J. Bergou, and Zhiyong Wang, Implementation of quantum operations on single photon qudits, Phys. Rev. A 76, 042326 (2007).

126. Bing He, J. A. Bergou, and Yuhang Ren, Universal discriminator for completely unknown optical qubits, Phys. Rev. A 76, 032301 (2007).

127. M. Jakob and J. Bergou, Complementarity and entanglement in bipartite qudit systems, Physical Review A 76, 052107 (2007).

128. P.-X. Chen, J. Bergou, S.-Y. Zhu, and G.-C. Guo, Ancilla dimensions needed to carry out positive-operator-valued measurements, Phys. Rev. A 76, 060303(R) (2007).

129. J. Bergou, Discrimination of quantum states with selected applications, in Proceedings of the 9th Rochester Conference on Coherence and Quantum Optics, N. P. Bigelow, J. H. Eberly, and C. R. Stroud, editors, University of Rochester, Rochester, NY,

June 10-15, 2007 (OSA, 2008), pp. 128-144.

130. J. Bergou, Discrimination of quantum states with selected applications, in Contemporary Physics, Proceedings of the International Symposium, J. Aslam, F. Hussain, and Riazuddin, editors, National Centre for Physics, Islamabad, Pakistan, March 26-30, 2007 (World Scientific, 2008), pp. 43-69.
131. Bing He and J. Bergou, Coherent state engineering with linear optics: Possible and impossible tasks, *Phys. Rev. A* 77, 053818 (2008).
132. U. Herzog and J. Bergou, Unambiguous discrimination of d unknown qudit states, *Physical Review A* 78, 032320 (2008).
133. Bing He and J. Bergou, Entanglement transformation with no classical communication, arXiv:0708.4184 (2008), *Physical Review A* 78, 062328 (2008).
134. Bing He, Mustansar Nadeem, and J. Bergou, Scheme for generating coherent-state superpositions with realistic cross-Kerr nonlinearity, *Physical Review A* 79, 035802 (2009).
135. Bing He, Yuhang Ren, and J. Bergou, Creation of near perfect long-distance entanglement with flexible resources, arXiv:0808.2320 (2008), *Phys. Rev. A* 79, 052323 (2009).
136. I. Németh and J. Bergou, Quantum theory of the coherently pumped micromaser, *Phys. Scr. T* 135, 014017, (2009).
137. Su-Yong Lee, Se-Wan Ji, Hai-Wong Lee, Jae-Won Lee, and J. Bergou, Quantum key distribution using vacuum-one-photon qubits: Maximum number of transferable bits per particle, *Journal of the Physical Society of Japan* 78, 094001/1-6 (2009).
138. Q. Lin, B. He, and J. Bergou, Processing multiphoton states through operation on a single photon: Methods and applications, *Physical Review A* 80, 042311 (2009).
139. Bing He, J. Bergou, Yuhang Ren, and J. Bergou, Universal entangler with photon pairs in arbitrary states, arXiv:0806.4216 (2008), *J. Phys. B: At. Mol. Opt. Phys.* 43, 025502 (2010).
140. M. Jakob and J. Bergou, Quantitative complementary relations in bipartite systems: Entanglement as a physical reality, *Optics Communications* 283, 827-830 (2010).
141. Maritza Hernandez, M. Orszag, and J. Bergou, A comparative study of the optical and circuit representation of the unambiguous quantum state discriminator, *J. Mod. Opt.* 57, 181 (2010).
142. J. Bergou, Tutorial Review: Discrimination of quantum states, *J. Mod. Opt.* 57, 160 (2010).
143. O. Jimenez, J. A. Bergou, and A. Delgado. Probabilistic cloning of three symmetric states, *Phys. Rev. A* 82, 062307 (2010).
144. János A. Bergou, Ulrike Futschik, and E. Feldman, Optimal unambiguous discrimination of pure quantum states, *Physical Review Letters* 108, 250502 (2012).
145. E. Bagan, R. Muñoz Tapia, G. A. Olivares-Rentería, János A. Bergou, Optimal discrimination of quantum states with a fixed rate of inconclusive results, *Physical Review A* 86, 040303(R) (2012).
146. R. Islam, A. H. Khosa, F. Saif, J. A. Bergou, Generation of atomic momentum cluster and graph states via cavity QED, *Quantum Information Processing* 11, 1 (2013).
147. János A. Bergou, Edgar Feldman, and Mark Hillery, Extracting information from a qubit by multiple observers: Toward a theory of sequential state discrimination, *Physical Review Letters* 111, 100501 (2013).
148. G.A. Olivares-Renteria, Ulrike Futschik, Mustansar Nadeem, Edgar Feldman, and János A. Bergou, Unambiguous discrimination of three pure states I: Geometry of the optimal measurement and scaling properties, submitted to *Physical Review A* (2013).
149. Ulrike Futschik, G. A. Olivares-Rentería, Edgar Feldman, and János A. Bergou, Unambiguous discrimination of three pure states II: Special cases and analytical results, submitted to *Physical Review A* (2013).
150. E. Bagan, R. Muñoz Tapia, G. A. Olivares-Rentería, János A. Bergou, Optimal discrimination of quantum states with a fixed rate of abstention, to be submitted to *Physical Review A* (2013).
151. A. Shehu, V. Yerokhin, G. A. Olivares- Rentería, and János A. Bergou, Optimal discrimination of a class of mixed quantum states with a fixed rated of abstention, to be submitted to *Physical Review A* (2013).

152. M. Jakob and J. Bergou, Complementarity in n -dimensional composite quantum systems (in preparation).
153. I. Németh and J. Bergou, Quantum theory of the coherently pumped micromaser II: Phase properties (in preparation).
154. I. Németh and J. Bergou, Quantum theory of the coherently pumped micromaser III: Transient behavior and spectrum (in preparation).

Internal reports and institutional preprints

155. J. Bergou and T. Salamon, Oscillating transition probability for photoelectron emission, Preprint KFKI-72-18, Budapest, 1972.
156. J. Bergou, Non-perturbative approaches to the semiclassical theory of multiphoton ionization, Preprint KFKI-73-22, Budapest, 1973.
157. J. Bergou and J. Rónaky, Calculation of the Faraday signal of a magneto-optical memory in the presence of magnetic circular dichroism, Preprint KFKI-74-38, Budapest, 1974.
158. J. Bergou, Charged particle scattering in the presence of an external electromagnetic field, Preprint KFKI-75-83, Budapest, 1975.
159. J. Bergou and A. Goltsov, Cross section of light scattering on diatomic molecules in the singlet state, Preprint D. Ph. S. P. A., 1-9, Saclay, 1977.
160. K. Rózsa, J. Bergou, M. Jánosy, and J. K. Mizeraczyk, Effect of anode geometry on voltage of a hollow cathode discharge, Preprint KFKI-1979-14, Budapest (1979).
161. J. Bergou, Wavefunctions of a free electron in an external field and their applications in intense field interactions, I. Nonrelativistic treatment, Preprint KFKI-1979-69, Budapest, 1979.
162. J. Bergou and S. Varró, Wavefunctions of a free electron in an external field and their application in intense field interactions, II. Relativistic treatment, Preprint KFKI-1979-70, Budapest 1979.
163. J. Bergou and S. Varró, Optically induced band structure of free electrons in an external plane wave field, Preprint KFKI-1980-10, Budapest, 1980.
164. J. Bergou and S. Varró, Nonlinear scattering processes in the presence of a quantized radiation field, I. Nonrelativistic treatment, Preprint KFKI-1980-14, Budapest, 1980.
165. J. Bergou, S. Varró, and M. V. Fedorov, e-e Scattering in the presence of an external field, Preprint KFKI-1980-53, Budapest, 1980.
166. J. Bergou and S. Varró, Nonlinear scattering processes in the presence of a quantized radiation field, II. Relativistic treatment, Preprint KFKI-1980-54, Budapest, 1980.
167. J. Bergou, P. Dobiasch, M. O. Scully, and J. M. O'Hare, Theory of the slab waveguide with nonlinear boundaries: Guided TE modes in a symmetric slab, Preprint, Center for Advanced Studies, University of New Mexico, Albuquerque (1987).
168. J. Bergou, M. O. Scully, and J. M. O'Hare, On the intrinsic properties of nonlinear TE waves guided by a symmetric slab, Preprint, Center for Advanced Studies, University of New Mexico, Albuquerque (1987).
169. J. Bergou and L. Kish, An absolutely secure QKD scheme with no detection noise, entanglement and classical communication, quant-ph/0505097 (2005).
170. J. Bergou and M. Orszag, A QKD scheme based on communicating via two unknown states, Preprint, Catholic University of Santiago, Chile (2007).

Books and book chapters

171. Bergou J., A lézer kvantumelektronikája, E. W. Aslaksen: Kvantum-elektronika c. könyv 7., kiegészítő fejezete, 88-98 old. (Műszaki Kiadó, Budapest, 1978); Quantum electronics of the laser, Chapter 7, additional ch., to E. W. Aslaksen, Quantum electronics (in Hungarian).
172. Bergou J. Káosz optikai rendszerekben (Chaos in optical systems, in Hungarian), in the Proceedings of "Winter School on Statistical Physics II: Chaos" (Akadémiai Kiadó, Budapest, 1982), pp. 1-16.
173. J. Bergou and M. O. Scully, An example of symmetry breaking in nonlinear optics, in Frontiers of Nonequilibrium Statistical Physics, eds. G. T. Moore and M. O. Scully, NATO

ASI series, vol. 135 (Plenum, N. Y., 1986), p. 375.

174. J. Bergou, Quenching of quantum noise and detection of weak optical signals in the quantum beat laser, in "Fundamentals of Quantum Optics", ed. F. Ehlotzky (Springer, 1987), p. 280.

175. M. Orszag, J. Bergou, W. Schleich, and M. O. Scully, The correlated spontaneous emission laser: Theory and recent developments, invited paper in "Squeezed and nonclassical light," edited by P. Tombesi and E. R. Pike (Plenum, London, 1989), p.287.

176. J. Bergou and M. O. Scully, Quantum theory of the Hanle laser and its use as a metric gravity probe, invited paper in "Level crossing spectroscopy," edited by F. Strumia and P. M. Moruzzi (Plenum, London, 1990), p. 341.

177. J. Bergou, B.-G. Englert, M. Lax, M. O. Scully, H. Walther, and M. S. Zubairy, Quantum theory of the laser, Ch. 26, invited review article in OSA Handbook of Optics, vol. IV, ed. F. Bass (McGraw-Hill, New York, 2001) pp. 26/1-26/101.

178. Bergou J., Relativitáselmélet (J. Bergou, The theory of relativity, textbook in Hungarian), Budapest, Tankönyvkiadó (Textbook Publishers), 2000.

179. J. Bergou, U. Herzog, and M. Hillery, Discrimination of quantum states, Ch. 11: invited review article in Lecture Notes in Physics vol. 649: Quantum state estimation, M. Paris and J. Rehacek eds. (Springer, Berlin, 2004) pp. 417-465.

180. Noise and Information in Nanoelectronics, Sensors, and Standards III. Edited by Bergou, János A.; Smulko, Janusz M.; Dykman, Mark I.; Wang, Lijun. Proceedings of the SPIE, Volume 5846, pp. (2005).

181. J. A. Bergou and M. Hillery, Introduction to the Theory of Quantum Information Processing, Springer (Graduate Texts in Physics), New York, 2013.

Published conference proceedings

182. J. Sólyom and J. Bergou, Reduced zero-point spin contraction in impure antiferromagnets, Journal de Physique C1 32, 89-90 (1971).

183. J. Bergou, M. Jánosy, K. Rózsa, and L. Csillag, High voltage hollow-cathode lasers for spectroscopy, Proceedings of the 3. Fachtagung für Laserspektroskopie, Graz, 1978; Acta Phys. Austriaca, Suppl. XX, 273-280 (1979).

184. J. Bergou, Special aspects of free electrons in intense fields, Proceedings of the Symposium on "Laser Physics", pp. 49-56 (Budapest, May 15-16, 1979).

185. M. Jánosy, K. Rózsa, L. Csillag, and J. Bergou, Noble gas mixture hollow cathode ion lasers, Proceedings of the Symposium on "Laser Physics", pp. 57-65 (Budapest, May 15-16, 1979).

186. L. Csillag, M. Jánosy, K. Rózsa, and J. Bergou, Results and perspectives of hollow cathode gas lasers, Proc. of "Lasers '79, Opto-Electronics" Conf., Munich, 1979 (IPC Science and Technology Press, England, 1979), pp. 89-93.

187. J. Bergou and S. Varró, Momentum distribution of free electrons in an intense radiation field, Technical Digest of 2nd International Conference on Multiphoton Processes (Budapest, 1980, paper A-2).

188. J. Bergou and S. Varró, Quantum mechanical states of the system "electron + quantized radiation mode", ibid, paper A-3.

189. S. Varró and J. Bergou, Behaviour of free electrons in quantized electromagnetic environment, Abstract of EKON-80 (Poznan, 1980), paper B-64.

190. J. Bergou, F. Ehlotzky, and S. Varró, Charged particle scattering in a magnetic and a laser field and nonlinear bremsstrahlung, Proc. of SASP (Maria Alm, 1982), pp. 195-199.

191. J. Bergou and F. Ehlotzky, Behaviour of a model atom in a uniform magnetic and a laser field, ibid, pp. 200-204.

192. J. Bergou and F. Ehlotzky, Potential scattering of relativistic electrons in the simultaneous presence of a laser and a magnetic field, in "Coherence and Quantum Optics", vol. 5, p. 825 (Proc. of 5th Rochester Conference on Coherence and Quantum Optics, June 13-15, 1983), eds. L. Mandel and E. Wolf (Plenum, NY, 1984).

193. J. Bergou, Rydberg atoms in weak magnetic fields, Proc. of Symp. on Atomic and Surface Physics (Maria Alm/Salzburg, 1984), ed. F. Howorka, Univ. Innsbruck Press, 1984, p. 354.

194. K. Rózsa, P. Apai, M. Jánosy, J. Bergou, K. Fujii, G. Rubin, M. B. Denton, H.

- Phillips, and F. A. Hopf, The effect of oxide coating on the performance of the Al hollow cathode discharge, in Proc. of XVII. Intl. Conf. on Phenomena in Ionized Gases, vol. 2, p. 931 (1985).
195. M. O. Scully and J. Bergou, Correlated emission gyro, in Technical Digest of XV. Intl. Quantum Electronics Conference (April 26-May 1, 1987, Baltimore), p. 72.
196. J. Bergou, Role of pump statistics in maser and laser dynamics, invited paper at the 10th Intl. School of Coherent Optics "Quantum Optics II" (Ustron, Poland, Sept. 19-26, 1989), Acta Phys. Pol. A 78, 49 (1990).
197. M. Hillery, D. Yu, and J. Bergou, Quadratic squeezing: An overview, in Proc. of Workshop on Squeezed States and Uncertainty Relations, Univ. of Maryland, College Park, MD, March 28-30, 1991 (NASA Conference Publications # 3135, 1992), p. 125.
198. J. Bergou and P. Bogár, Entangled fields and entangled atoms: tools to test fundamentals of quantum mechanics, Proc. of 3rd Central European Workshop on Quantum Optics, Budmerice, Slovakia, April 28–May 1, 1995, Acta Physica Slovaca 45, 217 (1995).
199. P. Bogár, J. Bergou, and M. Hillery, Quantum state engineering in pump-coupled high-Q micromasers, Proc. of Fundamental Problems in Quantum Theory: A Conference Held in Honor of Professor John A. Wheeler, Editors: D.M. Greenberger and A. Zeilinger, Annals of the New York Academy of Sciences 755, 110 (1995).
200. P. Bogár, J. Bergou, and M. Hillery, Pump-coupled micromasers, Proc. of Fundamental Problems in Quantum Theory: A Conference Held in Honor of Professor John A. Wheeler, Editors: D.M. Greenberger and A. Zeilinger, Annals of the New York Academy of Sciences 755, 842 (1995).
201. J. Bergou, Entangled field states in multiple micromaser cavities and fundamental tests of quantum mechanics, Proc. of 4th Central European Workshop on Quantum Optics, Budmerice, Slovakia, May 31-June 3, 1996, Acta Physica Slovaca 46, 241 (1996).
202. U. Herzog and J. Bergou, Non-Markovian micromaser field dynamics due to non-Poissonian pumping, Proc. of 4th Central European Workshop on Quantum Optics, Budmerice, Slovakia, May 31-June 3, 1996, Acta Physica Slovaca 46, 399 (1996).
203. J. Bergou, Quantum optics as a conceptual testing ground, Proc. of 5th Central European Workshop on Quantum Optics, Budmerice, Slovakia, April 25-28, 1997, Acta Physica Slovaca 47, 185 (1997).
204. U. Herzog and J. Bergou, Nonclassical maximum-entropy states, Proc. of 5th Central European Workshop on Quantum Optics, Budmerice, Slovakia, April 25-28, 1997, Acta Physica Slovaca 47, 295 (1997).
205. J. Bergou and T. Geszti, Komplementaritás, Complementarity, quantum eraser and interaction-free measurement: what the new interference experiments tell us about the foundation of quantum mechanics (in Hungarian), plenary lecture at the Annual Meeting of the Hungarian Physical Society (Gödöllő, August 26-29 1998), published in Fizikai Szemle (Hungarian Physical Review, Best Article Award of The Year) 50, 76 (1999).
206. J. Bergou, Discrimination of quantum states and probabilistic quantum algorithms, Proc. of Conference on Noise and Information in Nanoelectronics, Sensors and Standards II, Maspalomas, Gran Canaria, Spain, May 26-28, 2004, Proc. of SPIE 5472, 266-274 (2004).
207. J. Bergou, Programmable state discriminators for the optimum discrimination of unknown quantum states, Proc. of Conference on Fluctuations and Noise in Photonics and Quantum Optics III, Austin, TX, May 24-28, 2005, Proc. of SPIE 5842, 119-131 (2005).
208. J. Bergou, The role of noise in quantum communication, Proc. of UPoN 2005: 4th International Conference on Unsolved Problems of Noise and Fluctuations in Physics, Biology and High Technology, Lecce, Italy, June 6-10, 2005, AIP Conference Proceedings 800, 31-38 (2005).
209. H. Adamyan, J. A. Bergou, N. Gevorgyan, and G. Kryuchkyan, Periodically Pulsed Strong Squeezing, quant-ph/0505159, Proc. of 4th International Workshop on Laser Physics, 41 (2006).

210. Bergou J., Rózsa K., Tóth J., Folytonos gázlézer longitudinális üreges katóddal (Szabadalom, sz.: 10882/75 1975); CW gas laser with longitudinal hollow cathode, patent No. 10882/75 (1975).

211. Bergou J., Csillag L., Jánossy M., Rózsa K., Gázlézer a lézer erősítésének és teljesítményének növelésére, (Szabadalom, sz.: MA-2861, 1977); Gas laser to increase amplification and power of the laser, patent No. MA-2861 (1977).

Education

Institution	Degree	Year(s)	Discipline
Hungarian Academy of Sciences	DSc	1994	Science
Hungarian Academy of Sciences	CSc	1982	Habilitation
Roland Eotvos University (Budapest)	Ph.D	1975	Theoretical Physics
Roland Eotvos University (Budapest)	MS	1970	Physics

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
6/1/09-12/31/12	Quantum state discrimination and quantum walks	\$478,583.00	NSF#0903660
7/1/05-12/31/06	Quantum state discrimination with selected applications	\$3,200.00	PSC-CUNY
1/1/03-12/31/04	CRDF Armenian	\$5,000.00	US Bilateral Grant
7/1/03-12/31/04	Quantum State Discrimination - A Tool for Quantum Algorithms	\$3,200.00	PSC-CUNY

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Detailed_Budget_JustificationBergou	35092	12/15/2013 6:11:25 PM
Project Description	PSC-CUNY45ProjectDescriptionBergou.	208944	12/17/2013 12:50:31 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00

Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Domestic Travel		1016.00 0.00	1016.00
Research Staff Partial financial support for two graduate (PhD) students, Andi Shehu and Vadim Yerokhin. The proposed research constitutes a major part of their thesis research.	Fringe Benefit Expense MTA Payroll Tax	10000.00 984.00	10984.00
		Total	12000.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-486 Rank: Professor Tenured: Yes College: CITY COLLEGE Panel: Psychology & Physiological Psychology Discipline : Psychology Co-PI :	Name : Tartter, Vivien Address : Telephone : Email:
--	--

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PSYCHOLOGY

Title of Proposed Project: Does aberrant auditory salience predict a disposition to auditory hallucinations and hallucination-like experiences?

Brief Abstract

Auditory hallucinations remain poorly understood. There are reports that dopamine antagonists provide relief by “dampening” the experience for patients, but it is not clear why (e.g. Howes and Kapur, 2009). The aberrant salience theory of psychosis offers a plausible account, but the findings of Roiser et al (2009) cast doubt on the theory’s applicability to this specific symptom. The proposed research would offer further evidence as to the relevance of dopamine-mediated salience regulation in this cardinal feature of psychosis. A negative finding would constitute the strongest currently available evidence against the theory, going further than the results of Roiser et al (2009). A positive result would, contra to the results of Roiser et al, provide support and provide an impetus to further examine this hypothesis in this group of patients.

Relevant Publications & Scholarship

Massa, J., Gomes, H., Wolffson, V., & Tartter V. (2008). The concordance rates between parent and teacher clinical evaluation of language fundamentals observational rating scale. *International Journal of Language and Communication Disorders*, 43, 99-110.

Tartter, V. C., Gomes, H., Dubrovsky, B., Molholm, S., & Vala Stewart, R. (2002). Novel metaphors appear anomalous at least momentarily: Evidence from N400. *Brain and Language*, 80, 488-509.

Gomes, H., Ritter, W., Tartter, V. C., Vaughan, H. G., & Rosen, J. J. (1997). Lexical processing of visually and auditorily presented nouns and verbs: Evidence from reaction time and N400 priming data. *Cognitive Brain Research*, 6, 121-134.

Tartter, V. C. (1998). *Language and Its Normal Processing*. Sage Publications, Inc. 549 pp

Tartter, V. C. (1998). *Language in Atypical Populations*. Sage Publications, Inc. 334 pp

Education

Institution	Degree	Year(s)	Discipline
Brown University	Ph.D.	1977	Psychology
Brown University	M.A.	1975	Psychology
Brown University	A.B.	1973	App Maths/Psychology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2004-2005	Adapting discourse to the Internet: Effects of machine and social constraints on language	\$2,500.00	PSC-CUNY
2007-2009	A dynamic tactile interface for visually impaired and blind people	\$300,000.00	NSF

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY-TRADA-45-486-Tartter-et-al-	20014	12/12/2013 4:48:33 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit	0.00 0.00	0.00

	Expense		
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Subject Payments \$20 reward for 40 participants		800.00 0.00	800.00
Equipment E-Prime stimulus presentation software, designed for psychology experiments will be needed to design the experiment, present stimuli and collect data.		1050.00 0.00	1050.00
		Total	1850.00

PSC-CUNY Research Awards (Traditional A)

Control No: TRADA-45-733 Rank: Assistant Professor Tenured: No College: HUNTER COLLEGE Panel: Psychology & Physiological Psychology Discipline : Physiological Psychology Co-PI :	Name : muller, veronica Address : Telephone : Email:
---	---

Human Subject Use No

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department EDUCATIONAL FOUNDATIONS & COUNSELING PGM

Title of Proposed Project: Positive Coping, Resilience, and Self-Efficacy as Mediators between Pain Severity and Life Satisfaction in Fibromyalgia
--

Brief Abstract

Fibromyalgia (FM), a chronic condition marked by an array of physical and psychosocial symptoms. FM complexity results in FM individuals experiencing reduced functionality, increased disability, and unsatisfactory life satisfaction. In recent years, FM has evolved as a first-order public health problem due to several reasons: (a) high prevalence, (b) unknown etiology, (c) lack of curative treatments, and (d) dissatisfaction with current therapeutic approaches. Although significant progress has been made in the last decades about FM, many questions still remain. A thorough understanding of complex physical-personal-environmental factors and how they interact to affect FM will help researchers and health providers to better understand this illness dynamics and to develop more optimal treatment interventions. The primary purpose of the present study is to examine the protective role that positive human traits might have on the relationship between pain (i.e., pain severity) and life satisfaction in FM.

Relevant Publications & Scholarship

Muller, V., Brooks, J., Tu, W-M., Moser, E., Lo, C-L., & Chan, F. (in press). Factors associated with fatigue in individuals with fibromyalgia: A multiple regression analysis. Rehabilitation

O'Neil, J., Kang, H-J., Sanchez, J., Muller, V., Aldrich, H., Pfaller, J., & Chan, F. (in press). Effect of college or university training on earnings of people with disabilities: A case control study. Manuscript submitted to the Journal of Vocational Rehabilitation (December, 2014).

Keegan, J., Brooks, J., Blake, J., Muller, V., Fitzgerald, S. (in press). Perceived barriers to physical activity and exercise for individuals with spinal cord injury. Australian Journal of Rehabilitation Counseling .

Chan, F., Keegan, J., Muller, V., Kaya, C., Flowers, S., Iwanaga, K. (in press). Evidence-based practice and research in rehabilitation counseling. In I. Marini & M. A. Stebnicki (Eds.), *The professional counselor's desk reference* (pp. xx-xx). New York: Springer.

Fitzgerald, S., Deiches, J., Emucu, E., Brooks, J., Muller, V., Wu, J-R., & Chan, F. (in press). Psychometric properties of the Vocational Rehabilitation Engagement Scale when used with people with mental illness in clubhouse settings. Submitted to *Rehabilitation Research, Policy, and Education*. (November, 2014).

Miller Smedema, S., Cardoso, E., Chan, F., Dutta, A., Muller, V., & Keegan, J. (in review). The relationship of core self-evaluations and life satisfaction in individuals with disabilities: Evaluation of a mediator model." *Journal of Positive Psychology* (May, 2014).

Keegan, J., Ditchman, N., Dutta, A., Chiu, C-Y., Muller, V., Chan, F., & Kundu, M. (in review). Social-cognitive and planned behavior variables associated with stages of change for physical activity in spinal cord injury: A multivariate Analysis. *Disability and Health Journal* (November, 2013).

Sung, C., Muller, V., Jones, J., & Chan, F. (2014). Vocational rehabilitation service patterns and employment outcomes of people with epilepsy. *Epilepsy Research*, 108, 8, 1469–1479.

Sung, C., Muller, V., Ditchman, N., Philips, B., & Chan, F. (2013). Self-efficacy and self-esteem as mediators between seizure severity and life satisfaction in epilepsy. *Rehabilitation Research, Policy and Education*, 3, 154-170.

Sung, C., Chiu, C.Y., Lee, E.J., Bezyak, J., Chan, F., & Muller, V. (2013). Exercise, diet, and stress management as mediators between functional disability and health-related quality of life in multiple sclerosis. *Rehabilitation Counseling Bulletin*, 56, 86-95.

Chiu, C. Y., Fitzgerald, S., Strand, D., Muller, V., Brooks, J., & Chan, F. (2012). Motivational and volitional variables associated with stages of change for exercise in multiple sclerosis: A multiple discriminant analysis. *Rehabilitation Counseling Bulletin*, 56, 23-33.

Catalano, D., Chan, F., Wilson, L., Chiu, C-Y., & Muller, V. (2011). Buffering effect of resilience on secondary mental health conditions of people with spinal cord injury: A structural equation model. *Rehabilitation Psychology*, 56, 200-211.

Cardoso, E., Chou, C-C., Yasui, N.Y., Chronister, J., Chan, F., Lyons, V., & Muller, V. (2009). The effect of task-specific self-efficacy on stages of change of people with substance abuse problems. *Australian Journal of Rehabilitation Counseling*, 15,2, 63-73.

Chan, F., Sung, C., Muller, V., Wang, C-C., Fujikawa, M., & Anderson, C. (2011). Evidence-based practice and research utilization. In D. Maki & Tarvydas, V. (Eds.), *Professional practice of rehabilitation counseling* (pp. 391-412). New York: Springer Publishing Company.

Chan, F., Sung, C., Muller, V., Strand, D., & Brooks, J. (2011). Professional identify and ethical behavior. In F. Chan, M. Bishop, J. Chronister, E.J. Lee, & C.Y. Chiu (Eds.), *Certified rehabilitation counselor examination preparation: A concise guide to the foundations of rehabilitation counseling* (pp.1-16). New York: Springer Publishing Company.

Sung, C., Brooks, J., Muller, V., Strand, D., & Chan, F. (2011). Employment and career development. In F. Chan, M. Bishop, J. Chronister, E.J. Lee, & C-Y. Chiu (Eds.), *Certified rehabilitation counselor examination preparation: A concise guide to the foundations of rehabilitation counseling* (pp.57-80). New York: Springer Publishing Company.

Chan, F., Wang, C-C., Muller, V., & Fitzgerald, S. (2011). Vocational rehabilitation outcomes. A multi-level analysis of economic indicators, VR agency characteristics, and RSA-911 data. Madison, WI: Rehabilitation Research and Training Center Effective VR Service Delivery Practices.

Education

Institution	Degree	Year(s)	Discipline
University of Wisconsin-Madison	Ph.D	2013	Rehabilitation Psychology
Hunter College-CUNY	MS.Ed.	2008	Rehabilitation Counseling
Hunter College-CUNY	B.A.	2005	Psychology and Sociology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
--------	-------	--------	----------------

Attachments

Description	File Name	File Size	Date Attached
Project Description	Positive_coping-PSC-CUNY-2013-Mulle	25890	12/15/2013 7:24:04 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
		0.00	

Research Supplies		0.00	0.00
Foreign Travel		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
General Office Supplies/Xeroxing Photocopying, printer cartridges, and stationary.		200.00 0.00	200.00
Manuscript Preparation/ Publication Costs Editing and cost of publishing.		300.00 0.00	300.00
Research Staff \$ 15 per hour x 20 hrs. for a research assistant. Total= \$ 300	Fringe Benefit Expense MTA Payroll Tax	300.00 29.52	329.52
Independent Contractors Statistical consultation for data analysis.		1000.00 0.00	1000.00
Domestic Travel To present findings at the National Council on Rehabilitation Education(NCRE)conference. Approximately \$ 400 for air travel, \$ 350 for two nights of lodging, \$ 270 for conference registration, \$ 200 for food expenses for three days.		1200.00 0.00	1200.00
		Total	3029.52

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-33 Rank: Professor Tenured: Yes College: BARUCH COLLEGE Panel: Psychology & Physiological Psychology Discipline : Psychology Co-PI :	Name : Mangels, Jennifer Address : Telephone : Email:
--	---

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PSYCHOLOGY

Title of Proposed Project: Can rewarding effort motivate mastery and rebound from failure?
--

Brief Abstract

Understanding the factors that promote or interfere with the ability to effectively learn from constructive feedback has important implications for education. We propose to build upon our prior research examining successful feedback encoding and rebound from failures in general knowledge retrieval by exploring the influence monetary reward may have in facilitating encoding of corrective information. In line with our past research demonstrating the importance of motivating students to focus on effort and mastery rather than on normative performance, we will focus on the effects of framing rewards as being based on evidence of effort "competence" rather than performance competence. To determine the locus of any observed effects of rewarding effort, we will compare it to conditions with decreasing amounts of control over reward outcomes, as well a condition that controls for the general novelty of the reward. The findings will contribute to basic research on the role of reward in declarative memory, as well as to an applied understanding how to motivate students to overcome challenges.

Relevant Publications & Scholarship

Mangels, J. A., Good, C., Whiteman, R.C., Maniscalco, B., & Dweck, C. S. (2012) Emotion blocks the path to learning. *Social Cognitive and Affective Neuroscience (SCAN)*, 7(2), 230-241.

Mangels, J. A, Manzi, A., Summerfield, C. (2010) The first does the work but the third time's the charm: The role of massed repetition in episodic encoding of face-name associations. *Journal of Cognitive Neuroscience*, 22(3), 457-473.

Joerger, T., & Mangels, J. A. (2008) Neural correlates of false memory suppression by true recollection, *NeuroReport*, 19(17), 1695-8.

Soldan, A., Mangels, J. A., & Cooper, L. A. (2008). Effects of dividing attention during encoding on perceptual priming of unfamiliar visual objects. *Memory*, 16(8), 873-95.

Stern, E, Wager, T, Egner, T, Hirsch, J, & Mangels, JA (2007). Preparatory neural activity predicts performance on a conflict task. *Brain Research*, 1176:92-102.

Lai, G & Mangels, JA (2007). Cueing effects on semantic and perceptual categorization: ERPs reveal differential effects of validity as a function of processing stage. *Neuropsychologia* 45: 2038-2050.

Summerfield, C, Enger, T, Greene, M, Koechlin, E, Mangels, J, & Hirsch, J (2006). Predictive codes for forthcoming perception in the frontal cortex. *Science* 314 (5803): 1311-4.

Mangels, JA, Butterfield, B, Lamb, J, Good, CD, & Dweck, CS (2006). Why do beliefs about intelligence influence learning success? A social cognitive neuroscience model. *Social Cognitive and Affective Neuroscience (SCAN)* 1: 75-86.

Karantzoulis, S, Rich, JB, & Mangels, JA (2006). Subject-Performed Tasks improve associative learning in Mild Cognitive Impairment (MCI). *Journal of the International Neuropsychological Society* 12(4): 493-501.

Summerfield, C. & Mangels, JA (2006). EEG correlates of anticipatory attention predict successful episodic encoding. *Journal of Cognitive Neuroscience* 18(7): 1120-32.

Horowitz, TS, Choi, WY, Horvitz, JC, Cote, LC, & Mangels, JA (2006). Visual search deficits in Parkinson's disease are attenuated by bottom-up target salience and top-down information. *Neuropsychologia* 44(10): 1962-1977.

Stern, E, & Mangels, JA (2006). Neural correlates of top-down attentional biasing during the spatial Stroop task: an event-related potential (ERP) study. *Journal of Cognitive Neuroscience* 18(6): 1004-17.

Summerfield, C, Greene, M, Wager, T, Egner, T, Hirsch, J, & Mangels, J (2006). Neocortical connectivity during episodic memory formation. *Public Library of Science: Biology*, 4(5): e128.

Soldan, A, Mangels, JA, & Cooper, LA (2006). Evaluating models of object-decision priming: Evidence from ERP repetition effects. *Journal of Experimental Psychology: Learning, Memory and Cognition* 32(2): 230-248.

Mangels, JA, & Heinberg, A (2006). Improved episodic integration through enactment: Implications for aging. *Journal of General Psychology* 133(1): 37-65.

Summerfield, C, Egner, T, Mangels, J, & Hirsch, J (2006). Mistaking a house for a face: Neural correlates of misperception in healthy humans. *Cerebral Cortex* 16(4): 500-508.

Summerfield, C & Mangels, JA (2005). Coherent theta-band EEG activity predicts item-context binding during encoding. *NeuroImage* 24(3): 692-703.

Stern, E, Horvitz, J, Cote, L, & Mangels, JA (2005). Maintenance of response readiness in patients with Parkinson's Disease: Evidence from a simple reaction time task. *Neuropsychology* 19(1): 54-65.

Summerfield, C & Mangels, JA (2005). Functional coupling between frontal and parietal lobes during recognition memory. *Neuroreport* 16(2): 117-122.

Dweck, CS, Mangels, JA, & Good, C (2004). Motivational effects on attention, cognition

and performance. In D. Y. Dai & R. J. Sternberg (Eds.), *Motivation, emotion, and cognition: Integrated perspectives on intellectual functioning*. pgs. 41-55.

Mohlman, J, Mangels, JA, & Craske, MG (2004). The spider phobia card sorting test: An investigation of anxiety and executive functioning. *Cognition and Emotion* 18(7): 939-960.

Butterfield, B & Mangels, JA (2003). Neural correlates of error detection and correction in a semantic retrieval task. *Cognitive Brain Research* 17: 793-817

Beninger, RJ, Wasserman, J, Zanibbi, K, Charbonneau, D, Mangels, JA, & Beninger, BV (2003). Typical and atypical antipsychotic medications differentially affect two non-declarative memory tasks in schizophrenic patients: A double dissociation. *Schizophrenia Research* 61(2-3): 281-92.

Mangels, JA, Craik, FIM, Schwartz, M, & Stuss, D (2002). Chronic deficits in item and context memory following traumatic brain injury: a function of attention, strategy and injury severity. *Neuropsychologia* 40: 2369-2385.

Mangels, JA, Picton, TW, & Craik, FIM (2001) Attention and successful episodic encoding: An event-related potential study. *Cognitive Brain Research* 11(1): 77-95.

Mangels, JA, & Ivry, RB (2001). Time Perception. In *The Handbook of Cognitive Neuropsychology*, B. Rapp (Ed.). Philadelphia, PA: Psychology Press. pgs. 467-494.

Mangels, JA (2001). *Dictionary of Biological Psychology*. London: Routledge Press. (wrote references for: context-dependent learning, pg. 181; interference, pg. 398-99; mnemonic, pg. 483; perceptual fluency, pg. 592; primacy effect, pg. 627; proactive interference, pg. 630; serial position effect, pg. 706).

Cabeza, R, Anderson, N, Mangels, JA, McIntosh, AR, Nyberg, L, Houle, S, & Tulving, E (2000). Age-related differences in neural activity during item and temporal-order memory retrieval: A positron emission tomography study. *Journal of Cognitive Neuroscience* 12(1): 197-206.

Mangels, JA, Ivry, RB, & Shimizu, N (1998). Dissociable contributions of the prefrontal and neocerebellar cortex to time perception. *Cognitive Brain Research* 7(1): 15-39.

Cabeza, R, Mangels, JA, Nyberg, L, Habib, R, Houle, S, McIntosh, AR, & Tulving, E (1997). Brain regions differentially involved in remembering what and when. *Neuron* 19: 863-870.

Mangels, JA (1997). Strategic processing and memory for temporal order in patients with frontal lobe lesions. *Neuropsychology* 11(2): 207-221.

Mangels, JA (1997). Cognitive science: Theory and practice. *Journal of the International Neuropsychological Society*, 3, 299-301.

Knowlton, BJ, Mangels, JA, & Squire, LR (1996). A neostriatal habit learning system in humans. *Science* 273: 1399-1402.

Mangels, JA, Gershberg, FB, Shimamura, AP, & Knight, RT (1996). Impaired retrieval from remote memory in patients with frontal lobe lesions. *Neuropsychology* 10(1): 32-41.

Shimamura, AP, Berry, JA, Mangels, JA, Rusting, S, & Jurica, PJ (1995). Memory and cognitive abilities in academic professors: Evidence for successful aging. *Psychological Science* 6(5): 271-277.

Shimamura, AP, Jurica, PJ, Mangels, JA, Gershberg, FB, & Knight, RT (1995). Susceptibility to interference in patients with frontal lobe lesions. *Journal of Cognitive Neuroscience* 7(2): 144-152.

Shimamura, AP, Gershberg, FB, Jurica, PJ, Mangels, JA, & Knight, RT (1992). Intact implicit memory in patients with frontal lobe lesions. *Neuropsychologia* 30(10): 931-937.

Intraub, H, Bender, RS, and Mangels, JA (1992). Looking at pictures but remembering scenes. *Journal of Experimental Psychology: Learning, Memory and Cognition* 18(1): 180-191.

Education

Institution	Degree	Year(s)	Discipline
University of California-Berkeley	PhD	1995	Psychology/Cognitive
University of Delaware	BA	1990	Psychology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
10/12-9/13	Social and Cognitive Network Academic Center (based at Rensselaer Polytechnic Institute)	\$87,000.00	Army Research Laboratory under the Network Technology Collaborative Tech Alliance
10/09-9/12	Gender Differences in the Foundations of Sense of Belonging: Effects on Achievement and Learning	\$500,000.00	NSF
6/09-5/12	Creating Scalable Interventions for Enhancing Student Learning and Performance	\$343,989.00	IES (Department of Education)
7/09-12/10	The Relationship between Stereotype Threat and Successful Insight Experiences in Problem Solving	\$4,000.00	PSC-CUNY
7/08-12/09	A Social Cognitive Neuroscience Approach to Math Achievement and Learning: Establishing Norms	\$4,500.00	PSC-CUNY
1/03-6/07	The Influence of Students' Intelligence Beliefs on Attention, Information Processing, and Learning	\$785,547.00	IES (Department of Education)
8/02-2/06	Detection and Correction of Errors in Declarative Memory	\$326,000.00	NIH/NIMH

Attachments

Description	File Name	File Size	Date Attached
Project Description	PSC-CUNY2013_RewardV3.docx	137255	12/15/2013 10:40:50 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Equipment		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Research Supplies We plan to use these funds to purchase inexpensive headphones, alcohol swabs for cleaning these headphones after use, and for cardboard carrells. These materials are necessary in order to run the study in groups in college computer labs. Specifically, the instructions and auditory feedback are delivered through personal headphones in order that we can run multiple conditions of the experiment in the same room. Carrells prevent students from observing each others performance.		195.00 0.00	195.00

<p>Research Staff</p> <p>We expect to allocate \$2025 of the budget to hiring an undergraduate research assistant from Baruch College in order to promote research interest among the undergraduate student body. It is expected that the research assistant will be hired at the rate of \$15 per hour and will be scheduled to work 9 hours per week for a total of 15 weeks, totaling \$2025 (\$2224 including fees). The undergrad RA would be hired for Fall 2014, with the anticipation that human subjects testing and data analysis will be completed during this time. Given that the experimental design builds upon existing materials, and that the computer program for the experiment will be finished during the summer, we believe it to be realistic that all testing will be completed during this time. The undergrad RA could participate in further data analysis and manuscript preparation in the Spring semester as either as a research volunteer or for research credit (Psych 5030; Research Practicum).</p>	<p>Fringe Benefit Expense MTA Payroll Tax</p>	<p>2025.00 199.26</p>	<p>2224.26</p>
<p>Subject Payments</p> <p>Payment for participation will occur in two parts; first we plan to test 30 subjects per condition for 4 conditions totaling 120 subjects. Adding to that an anticipated experiment-wide 20% attrition rate (based on attrition rate in similar experiments), this brings the total number of subjects to 144. We anticipate that half of the subjects needed will sign up to receive participant credits through our Introductory Psychology Subject Pool as compensation, whereas the rest will receive a cash payout of \$5 for every half hour of participation for a total of 4 hours or \$40. Thus, the estimated 72 cash payout subjects will receive a total of \$2880. A second participant payout will incur through participation in an individual raffle upon completion of the experiment. The individual subject raffle will act as the reward system essential to our experimental design. Each subject will receive approximately 56 tickets, as a result of their performance, and will have a chance to win an additional \$20, \$15 or \$5 prize, with a small chance to win two or all three of the prizes. In order for each subject to have an approximate 20% chance of winning a single prize, we adjusted the raffle formula to pick 3 tickets out of a total of 840 tickets a total of 56 times. We anticipate the upper probability range of the raffle payout to be around \$700 for all 4 groups. This will bring the total subject payments across both the basic compensation and the raffle compensation to \$3580.</p>		<p>3580.00 0.00</p>	<p>3580.00</p>
		<p>Total</p>	<p>5999.26</p>

PSC-CUNY Research Awards (Traditional B)

Control No: TRADB-45-122 Rank: Assistant Professor Tenured: No College: COLLEGE OF STATEN ISLAND Panel: Psychology & Physiological Psychology Discipline : Physiological Psychology Co-PI :	Name : Karasik, Lana Address : Telephone : Email:
---	---

Human Subject Use Yes

Animal Subject Use No

Supplementary Materials No

List of Supplementary Material

Will Interviews be Conducted? No

Department PSYCHOLOGY

Title of Proposed Project: Learning to open containers
--

Brief Abstract

Activities of daily living (i.e., feeding, grooming, working, playing) typically involve a selection of particular motor actions on objects. For example, lifting a yogurt cover, twisting a cap on a tube of toothpaste, or pulling off a lid on a Lego-box—opening containers—are common daily activities, often trivial for adults. For young children opening containers pose challenges as they may lack the necessary perceptual-motor and social-cognitive skills required to open them. Opening containers is a skill necessary for dealing with normal daily routines and should be learned especially by the time children enter kindergarten. Beyond the practical relevance, the task of opening containers presents an ideal model system for studying how children learn a culturally relevant skill in a social context. The proposed project has two aims: (1) To develop and refine multiple measures of infant and maternal behavior in an untapped model system; and (2) to train undergraduate researchers to use cutting-edge video coding software and eye-tracking technology.

Relevant Publications & Scholarship

Karasik, L. B., Adolph, K. E., Tamis-LeMonda, C. S., & *Zuckerman, A. L. (in press). Crawling and walking infants carrying objects. *Developmental Psychology*.

Karasik, L. B., Tamis-LeMonda, C. S., & Adolph, K. E. (2011). Transition from crawling to walking and infants' actions with objects and people. *Child Development*, 82, 1199-1209.

Adolph, K. E., Karasik, L. B., Tamis-LeMonda, C. S. (2011). Using social information to guide action: Infants' locomotion over slippery slopes. *Neural Networks, Special Issue on Social Cognition: From Babies to Robots*, 23, 1033-1042.

Karasik, L. B., Adolph, K. E., Tamis-LeMonda, C. S., Bornstein, M. H. (2010). WEIRD walking: Cross-cultural research on motor development. *Behavioral and Brain Sciences*, 33, 95.

Adolph, K. E., Tamis-LeMonda, C. S., & Karasik, L. B. (2010). Cinderella indeed. *Journal of Child Language*, 37, 269.

Adolph, K. E., Karasik, L. B., & Tamis-LeMonda, C. S. (2010). Motor skills. In Bornstein,

M. H. (Ed.), Handbook of Cultural Developmental Science (pp. 61-88). New York, NY: Taylor & Francis.

Karasik, L. B., Tamis-LeMonda, C. S., Adolph, K. E., & Dimitropoulou, K. A. (2008). How mothers encourage and discourage infants' motor actions. *Infancy*, 13, 366-392.

Adolph, K. E., Tamis-LeMonda, C. S., Ishak, S., Karasik, L. B., & Lobo, S. A. (2008). Experience is posture specific for descending slopes. *Developmental Psychology*, 44, 1705-1714.

Tamis-LeMonda, C. S., Adolph, K. E., Lobo, S. A., Karasik, L. B., Ishak, S., & Dimitropoulou, K. A. (2008). When infants take mothers' advice: 18-month-olds integrate perceptual and social information to guide motor action. *Developmental Psychology*, 44, 734-746.

Education

Institution	Degree	Year(s)	Discipline
New York University	PhD	2009	Developmental Psychology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
2010	Infants in Transition: Effects of posture and locomotion on infants' actions with objects and people	\$10,000.00	Institute of Human Development and Social Change

Attachments

Description	File Name	File Size	Date Attached
Project Description	Karasik_PSCCuny_2013-12-04.pdf	275673	12/4/2013 12:35:03 PM

Budgets

Description			Requested Amount
Research Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Clerical Staff	Fringe Benefit Expense	0.00 0.00	0.00

	MTA Payroll Tax		
Summer Salary (Principal Investigator)	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00
Independent Contractors		0.00 0.00	0.00
Subject Payments		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Equipment Remaining funds are requested to supplement equipment costs. A Mac laptop computer is needed for the head-mounted eye-tracking technology. Mac laptop will be equipped with several necessary software to accommodate the eye-tracker.		1752.00 0.00	1752.00
Released Time Funds are requested for a teaching release to allow Karasik to dedicate time to train undergraduate researchers, initiate data collection, learn to use the eye-tracking technology, collect preliminary data, and establish the procedure and measures for a large-scale extramural proposal.	Fringe Benefit Expense	3000.00 1248.00	4248.00
		Total	6000.00

PSC-CUNY Research Awards (Enhanced)

Control No: ENHC-45-24	Name : Kacinik, Natalie
Rank: Assistant Professor	Address :
Tenured: No	Telephone :
College: BROOKLYN COLLEGE	Email:
Panel: Psychology & Physiological Psychology	
Discipline : Physiological Psychology	
Co-PI :	

Human Subject Use Yes
Animal Subject Use No
Supplementary Materials No
List of Supplementary Material
Will Interviews be Conducted? No
Department PSYCHOLOGY
List of Undesirable Reviewers No

Title of Proposed Project:

Can non-invasive stimulation of right posterior temporal cortex improve the comprehension of metaphoric language?

Brief Abstract

There is considerable debate about whether right vs. left frontal and temporal brain regions are preferentially involved in understanding figurative language. A study funded by a PSC-CUNY Trad A award (65081-00 43) supported the importance of right posterior temporal cortex (RPTC) in metaphor comprehension by using transcranial magnetic stimulation (TMS) to temporarily disrupt processing in the right vs. left posterior portions of the temporal lobe while participants made relatedness judgments about literal and metaphoric sentences and subsequent target words. TMS to RPTC resulted in significantly longer response times for metaphoric than literal sentences. This study will use transcranial direct current stimulation (tDCS) to determine whether facilitating the processing of this region will conversely result in improved metaphor comprehension. The findings will demonstrate whether RPTC is really fundamentally involved in metaphor processing, and further indicate the potential of tDCS to improve the rehabilitation and learning of both brain-injured and normal individuals.

Relevant Publications & Scholarship

Baldo, J. V., Kacinik, N. A., Beghin, F., & Dronkers, N. F. (under review). You may now kiss the bride: Social processing in individuals with right or left hemisphere injury. *Social Cognitive and Affective Neuroscience*.

Kacinik, N. A., Khan, S. S. S., Eskine, K. J., Chiarello, C., & Baynes, K. (under revision). Comprehensibility, imageability, familiarity, metaphoricity, aptness, and relatedness ratings for a large set of metaphoric sentences and words related to their meaning. *Metaphor & Symbol*.

Kacinik, N. A., El-Haddad, R. W., Starr-Glass, L., & Eskine, K. J. (under revision). Small elephants and big needles: Perceptual information does not generally affect the

representation of words.

Ferrari-Bridgers, F., & Kacinik, N. A. (under revision). How linearity and structural complexity interact to affect the recognition of Italian derived words. *Language, Cognition, and Neuroscience*.

Kacinik, N. A. (2014). Sticking your neck out and burying the hatchet: What idioms reveal about embodied simulation. *Frontiers in Human Neuroscience*, Special Issue "What can we make of theories of embodiment and the role of the human mirror neuron system?", Vol. 8, Article 689, 1-14. doi: 10.3389/fnhum.2014.00689

Ferrari-Bridgers, F., & Kacinik, N. A. (2014). Linearity and word internal structure in the visual processing of Italian complex words. *Penn Working Papers in Linguistics (PWPL)*, 20 (1), 91-100. <http://repository.upenn.edu/pwpl/vol20/iss1/11>

Eskine, K. J., Kacinik, N. A., & Webster, G. D. (2012). The bitter truth about morality: Virtue, not vice, makes a bland beverage taste nice. *PLoS ONE*, 7(7): e41159. doi:10.1371/journal.pone.

Eskine, K. J., Kacinik, N. A., & Prinz, J. J. (2012). Stirring Images: Fear, not happiness or arousal, makes art more sublime. *Emotion*, 12, 1071-1074.

Eskine, K. J., Kacinik, N. A., & Prinz, J. J. (2011). A bad taste in the mouth: Gustatory disgust influences moral judgment. *Psychological Science*, 22, 295-299.

Education

Institution	Degree	Year(s)	Discipline
University of Western Ontario	BA (Hons)	1995	Psychology
University of Western Ontario	MA	1998	Psychology
University of California, Riverside	PhD	2003	Psychology

Other Current & Past Funding (last 5 years)

Period	Title	Amount	Funding Source
Jul 1, 2014-June 30, 2015	Can non-invasive stimulation of right posterior temporal cortex improve comprehension of metaphoric	\$12,000.00	PSC-CUNY Enhanced Award
Jul 1, 2013-June 30, 2014	Improving our understanding of dyslexia: An interview study of the experiences of a diverse sample o	\$3,500.00	PSC-CUNY Traditional A award
July 1, 2012-Dec 30, 2013	Cerebral asymmetries in metaphor comprehension: A TMS study	\$3,500.00	PSC-CUNY Traditional A award
April 2-5, 2011	Cerebral asymmetries in the generation of literal vs. figurative meanings	\$500.00	William Stewart Travel Grant, CUNY Academy for the Humanities and Sciences

Mar 1-June 30, 2011	Investigating the extent to which adult 1st-degree relatives of dyslexics also have difficulties rea	\$1,100.00	Brooklyn College New Faculty Fund
Jun 1 - Jul 1, 2011	Neural Basis of Fig Lang: Using Pts with RHD to Further Specify RH involvement in Comprehending Non-	\$3,000.00	Tow Faculty Travel Fellowship

Attachments

Description	File Name	File Size	Date Attached
Budget Justification	Budget_Justification_tDCS_study.doc	32256	12/15/2013 10:56:45 PM
Project Description	PSC-CUNY_tDCSgrant.doc	77824	12/15/2013 11:19:29 PM

Budgets

Description			Requested Amount
Clerical Staff	Fringe Benefit Expense MTA Payroll Tax	0.00 0.00	0.00
Summer Salary	Fringe Benefit Expense	0.00 0.00	0.00
Released Time	Fringe Benefit Expense	0.00 0.00	0.00
General Office Supplies/Xeroxing		0.00 0.00	0.00
Research Supplies		0.00 0.00	0.00
Domestic Travel		0.00 0.00	0.00
Foreign Travel		0.00 0.00	0.00

Independent Contractors		0.00 0.00	0.00
Laboratory Fees		0.00 0.00	0.00
Manuscript Preparation/ Publication Costs		0.00 0.00	0.00
Subject Payments The study will involve the completion of 4 sessions. Participants will be paid for their time at a rate of \$15/session for a total of \$60 each. Since we plan to run 30 participants, the total sum of subject payments will be \$1800.		1800.00 0.00	1800.00
Research Staff To compensate one or two of my graduate students for their assistance in setting up and conducting the study.	Fringe Benefit Expense MTA Payroll Tax	2000.00 196.80	2196.80
Equipment To purchase a Soterix medical high-definition transcranial direct current stimulation system (HD-tDCS). Further info provided in budget justification.		8000.00 0.00	8000.00
		Total	11996.80