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Contents

As anyone in higher education will tell you, it's the faculty, more than any other factor, which determines an institution's reputation. No comprehensive university can hope to achieve distinction — and thereby best serve students and the public — without a faculty that is committed to, and excels at, teaching, scholarship, service, and research.

The City University of New York is blessed in having just such a faculty. Despite hardships, financial and otherwise, that have challenged it over the years, CUNY's faculty continues to produce remarkable results in all areas. And with the recent focus on hiring hundreds of new faculty members throughout the system, CUNY has seized upon an opportunity to add the fresh perspective and talents of new faculty to the experience and wisdom of seasoned faculty.

Sponsored research is one area in which the faculty, both new and old, has been outstanding. This is evident in the broad swath of activities in which they engage. One can only marvel at the diversity of subjects on which faculty are conducting critical inquiry. Even a tiny sampling of sponsored research reveals a staggering array of topics:

- Inorganic nanoparticles
- Spinal cord injury
- Concrete bridge deck materials
- Water awareness education
- Minority science and engineering
- Business writing
- Geriatric education
- Family and community violence
- Psychological factors in sudden cardiac death
- Reusable solid waste materials
- Work zone accidents on construction projects
- Spanish for medical professionals
- Mental disorder and drug reaction

Whether studying endocrine disruption in Jamaica Bay, developing audio and tactile books for the visually impaired, or examining the design of polymer-supported reagents, the common thread running throughout the many grants and contracts that the faculty obtains annually is a quest for knowledge that answers important questions and improves the human condition.

CUNY is equally fortunate in having many talented administrators who attract substantial outside support. Funding is used to carry out a variety of programs from child care to computer software development, from setting up high schools to workforce training.

Supporting the faculty and administration in this wonderful mosaic of activity is the Research Foundation. The service that it provides facilitates CUNY's success in securing grants and contracts from government entities and private foundations, and ensures that those resources are used effectively. In 2003, the Research Foundation administered CUNY awards that totaled more than $321 million.

Increasingly, the Foundation has been providing services to a variety of select organizations beyond CUNY. One recent example is the September 11th Fund, which chose the RF as its financial administrator for $70 million in funds used for support of displaced workers affected by the attack on the World Trade Center.

The Research Foundation combines an experienced, service-oriented staff, with the latest in technological tools, to help grant and contract recipients navigate the myriad details of staffing, purchasing, reporting, immigration, contracting, construction, and leasing associated with sponsored program administration.

The Research Foundation exists as a separate, not-for-profit entity, because the distinctive environment of sponsored programs demands flexibility and the capacity to respond quickly to a wide variety of conditions and changing sponsor requirements. There is no question that the Research Foundation has been an indispensable partner with CUNY's faculty and administrators in achieving the outstanding results we have seen in recent years. The report that follows provides a summary of the achievements of CUNY and of the Research Foundation in 2003. We celebrate the ongoing success that this partnership makes possible.

Matthew Goldstein
Chairman of the Board

Richard F. Rothbard
President

## Who We Are

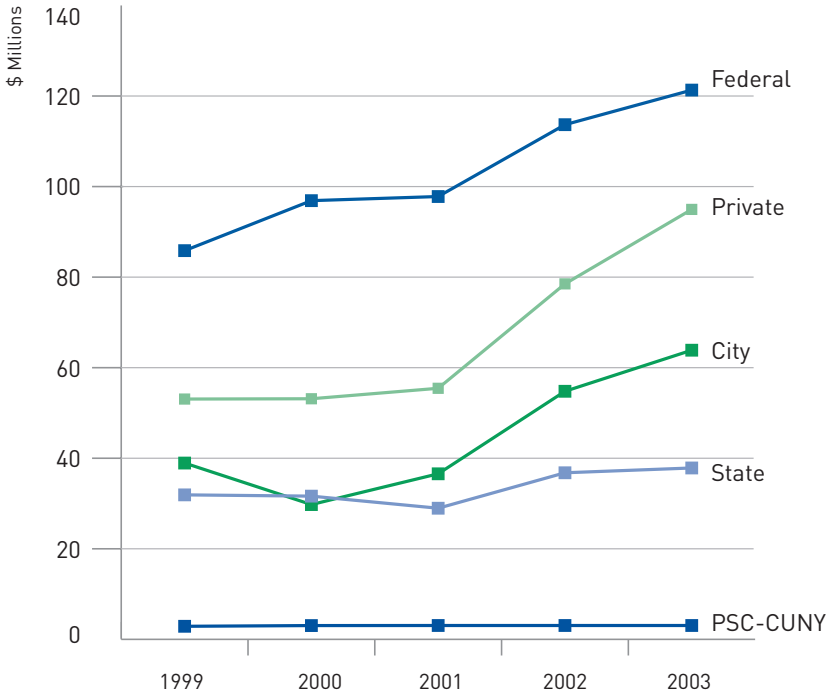
We're The Research Foundation, a private, not-for-profit educational corporation chartered by the State of New York to provide a variety of services to The City University of New York in support of its research mission. In 2003 we celebrated our 40th anniversary.

The unique nature of sponsored programs (that is, externally-funded research, training, student support, and other activities) creates the need for an organization that can respond rapidly and effectively to the differing requirements of sponsors and the needs of the programs. The Research Foundation is governed by its own Board of Directors, maintains its own payroll and benefits program, and develops its own systems and policies as necessary in order to serve the needs of its clients.

This annual report contains the audited financial statements for the 2003 fiscal year. Those statements reveal that **expenditures** exceeded $286 million for the period July 1, 2002 to June 30, 2003. That's an overall increase of more than 22% over the prior year and reflects the continuing success of City University faculty and staff in securing ever higher support for sponsored research. **Activity**, which is a measure of the total value of grants, exceeded $321 million. (Activity exceeds expenditures for a variety of reasons, including the fact that many awards are for more than twelve months and so are expended across several fiscal years.)

Evident from the level of activity in the months since the close of the 2003 year is that the results for 2004 will be even better. We expect that **expenditures** will exceed $300 million and **activity** may approach $350 million.

### Awards by Source and Year




- In 2003, RF celebrated its 40th anniversary as a private, not-for-profit educational corporation that provides post-award administration of grants and contracts for The City University of New York.
- Each year the RF employs nearly 12,000 individuals, who work on every campus of The City University of New York.
- The RF was responsible for the receipt and disbursement of $286 million in 2003 (on total award activity of more than $321 million). This was carried out in accordance with varying and complex sponsor rules, regulations, and timeframes.
- In 2003, the RF processed more than 1,500 contracts, subcontracts, and independent contractor agreements.
- The recently implemented e-Paystub system, which provides RF employees with web access to their current and past paycheck advices, will save $44,000 in printing and mailing costs alone (more as postal rates increase).

## What We Do

When an individual, or a group of individuals (called Principal Investigators or PI's), obtains funding for a project or program, the funding from the sponsor is used to establish a budget at the Research Foundation to support the project or program. If personnel need to be hired, the positions will be posted on the RF web site. Once a PI makes a decision regarding the right person for the job, then the RF will handle all the processing of the individual, make sure the person is placed on payroll, counsel the individual regarding benefits, maintain time and leave records, and generally oversee all other aspects of that person's employment. The RF will also aid non-citizens with immigration issues. Actual work responsibilities are determined by the PI in accordance with program needs. In a year, the Foundation will employ some 12,000 individuals who perform a wide variety of tasks.

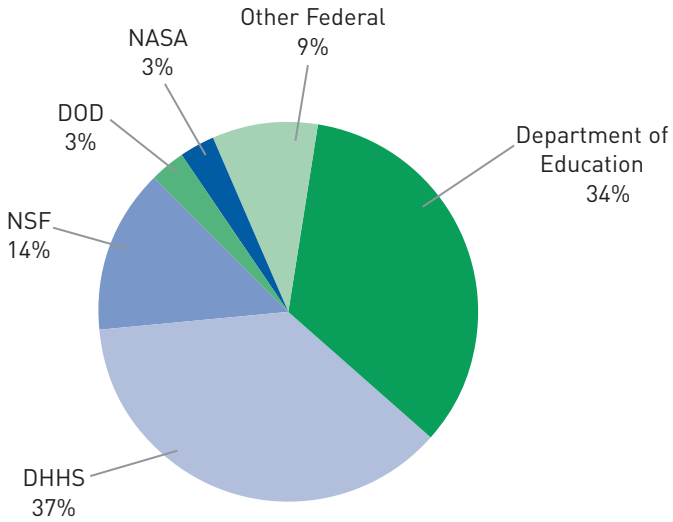
If goods and services are budgeted, the RF will perform all the necessary purchasing functions including, if necessary, obtaining bids, placing orders, assuring items enter the inventory system, and vendor payment.

We oversee construction when funding supports building or renovation of facilities; the insuring of premises, vehicles, and activities; the negotiation and implementation of contractual agreements; hiring of independent contractors; compliance with federal regulations regarding the use of human subjects; and intellectual property rights. A fee for service, related to the level of activity, is the Foundation's chief source of revenue.

All of the systems necessary to expend and account on behalf of the projects, and to report to the sponsors and to the PI's, are maintained by the Foundation. We do this so that the PI's can focus their efforts on accomplishing the goals of their funded projects rather than on time-consuming administrative details.

In the case of The City University of New York, we work closely with the campus Grants Officers to ascertain campus needs and to assess our effectiveness in delivering services.

**Federal Awards by Source | 2003**




- Web-based e-services are replacing paper and in 2003 handled 53,000 personnel actions, 143,000 timesheets, and 70% of all PSC-CUNY research award applications electronically. This resulted in considerable savings in time and materials, quicker and more accurate processing, and the inevitable clamor for additional e-services (which the RF is developing).
- In FY 2003, the RF administered 55% more volume with 15% fewer staff, compared with FY 2000. This was made possible by combining improved training and cutting edge, web-based technology.
- The RF processes between 75 and 100 visa applications annually, mostly for foreign graduate students to work in CUNY science laboratories. This requires considerable effort by the Foundation due to closer scrutiny by the Immigration and Naturalization Service. The RF also processes several petitions for permanent residency each year.

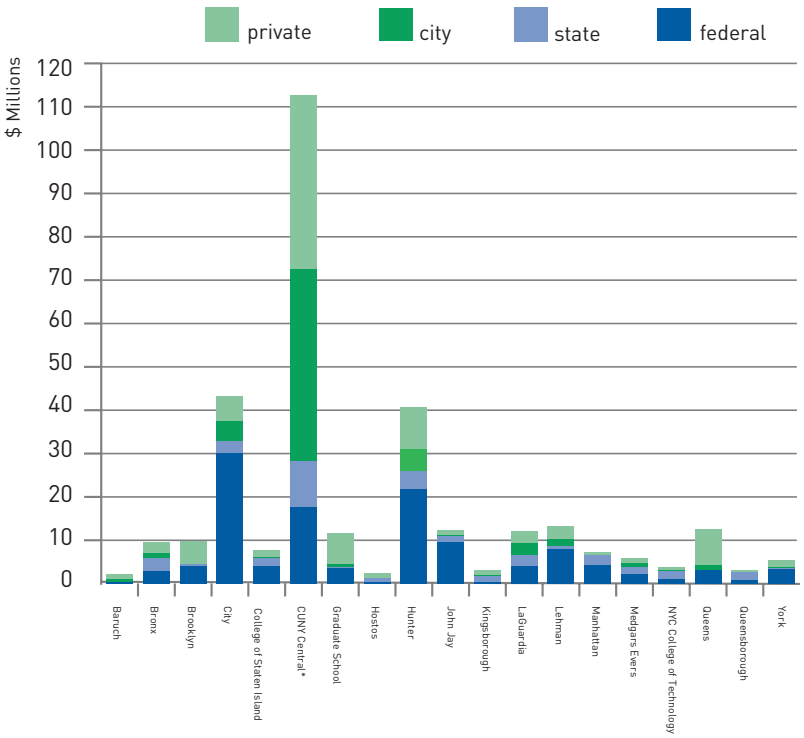
## How We Do It

The RF is organized into four distinct divisions. These are Finance, Legal Affairs, Systems and Information Services, and Operations. The last, Operations, is further divided among Employment Policy and Practices, Grants and Contracts, and Client Services.

The Finance department is responsible for the general oversight of the Foundation's fiscal affairs. This includes preparation of the annual financial statements and the operating budget. Specific responsibilities include maintenance of the general ledger, administration of the corporate payroll, management of all cash and banking, accounts payable and receivable, insurance coverage, formulation of the central office operating budget and Plant Fund accounts, preparation of the financial statements, A-133 audit, and 990 tax return, and negotiation of indirect cost rates (now known as Facilities and Administrative Rates).

The Office of Legal Affairs serves and advises the Foundation and CUNY in various areas. As the office of the general counsel, the Legal department advises on policy and matters of law, including contract law, labor law, employment law, real estate leasing, construction, intellectual property matters and compliance issues with all levels of government. As a processing department, in fiscal year 2003, Legal Affairs reviewed, drafted and negotiated over fifteen hundred documents for execution by the Foundation on behalf of the City University and its constituent colleges. As an informational resource to the CUNY colleges, Legal Affairs responds to thousands of inquiries from the CUNY colleges and its employees in the performance of sponsored programs. In implementing institutional policies, Legal Affairs staff members serve on various policy committees, including the sexual harassment committee, conflict of interest, intellectual property, and the committee for human subjects compliance.

### Awards by Source and College | 2003




Systems and Information Services (SIS) designs and maintains the electronic infrastructure that enables Principal Investigators and employees on the campuses, as well as staff at the Foundation central office, to carry out a variety of administrative functions. These include personnel appointments and payroll, purchasing, timekeeping, accounting, and reporting. The Foundation web site is designed and maintained by SIS along with all the web-based informational and transactional systems that have led to dramatically improved efficiency. Additional areas of responsibility for SIS include disaster planning and business recovery, RF central office facilities management, and telecommunications.

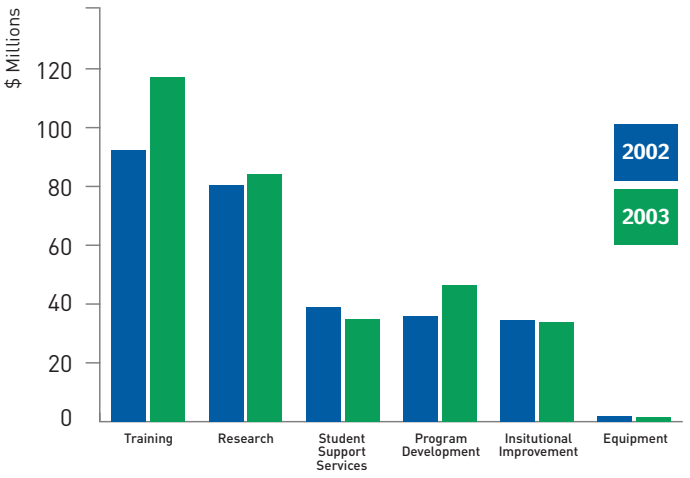
- A recent switch in long distance telephone service providers is saving the RF more than $20,000 annually.
- The September 11th Fund selected the RF as its financial services provider for $70 million in aid to displaced workers.
- RF provides health care benefits to approximately 2,000 individuals at any given time (for full-time and part-time A employees).
- A Faculty Advisory Council, composed of active CUNY researchers, advises the RF Board of Directors and management on sponsored research and related activities of importance to CUNY faculty.
- PSC-CUNY research awards, which are administered by the RF, provide support to both established and newer scholars. Over $3 million annually assists faculty to carry out research and to leverage external funding.

The department of Employment Policy and Practice (EPP) provides functional expertise and support to both the field and the central office staff in all areas of human resources, benefits administration, labor law and compliance, and labor/management relations. The office also formulates and administers training and management development programs.

Grants and Contracts has primary responsibility for the post-award administration of all grants and contracts received by the Foundation on behalf of CUNY. Project Administrators and Assistant Project Administrators, who serve as liaisons between the Principal Investigator, the sponsor, and the Foundation, staff the department. They establish accounts; set up budgets; monitor and approve all project expenditures in compliance with the sponsor's regulations and the Foundation's own policies; prepare billing and all required financial reports; track payments and accounts receivable; respond to audit inquiries, reports and findings; and ultimately reconcile and close accounts.

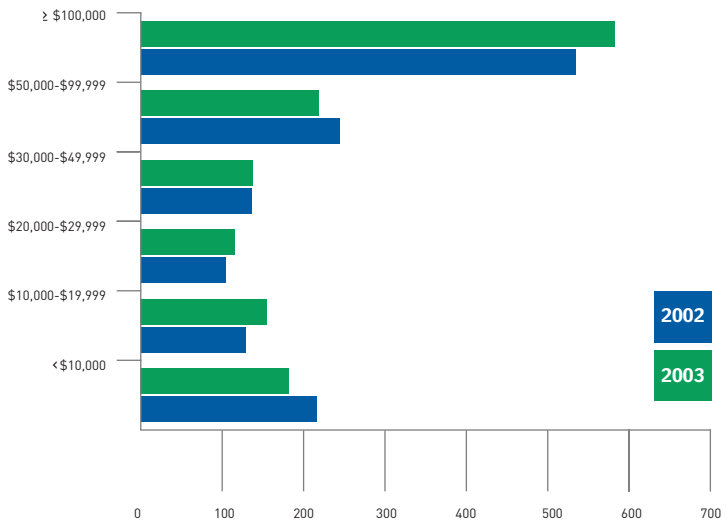
The Client Services department prepares and produces the payroll for all CUNY campuses. In addition, it provides information and expertise to campus employees on a variety of payroll, health benefits and pension issues. The Client Services department also conducts initial employment benefits orientations and trains campus personnel in the use of RF electronic systems.

**Total Awards by Purpose***




*Excludes PSC-CUNY Awards

**Number of Awards by Dollar Value***




*Excludes PSC-CUNY Awards

- The Research Foundation negotiates college indirect cost recovery rates (F&A rates) with the Department of Health and Human Services, the university's cognizant federal agency. While the actual negotiations occur once every three years, the process of collecting data to formulate the best estimate of the actual cost of carrying out research at the university is ongoing.
- In cooperation with the CUNY Office of Research Conduct, the RF is responsible for enforcement of federal regulations regarding human subjects research.
- The RF protects the rights of creators and seeks to commercialize products of research, authorship and invention by the university community.
- Use of the RF Purchase Card (P-Card) resulted in the purchase of 15,000 low-cost items in 2003 (22% of all activity) that previously were purchased through a more lengthy and paper intensive process.

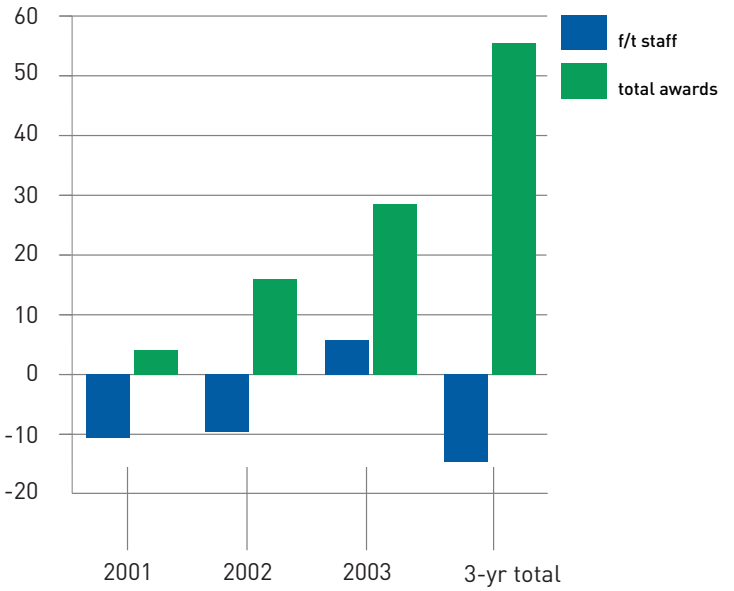
## How Well We Do It

The Research Foundation has introduced a variety of new programs, systems, and processes that, when taken together, are helping to transform the RF into an organization that can respond quickly and skillfully to the growing needs of CUNY and the greater sponsored program community. Increased volume at all levels that results from our customers' continuing success in securing support for their projects presents the Foundation with challenges to its daily operations as well as its long-range planning. We believe we are meeting those challenges through a combination of dedication, creativity, open-mindedness, and responsible management.

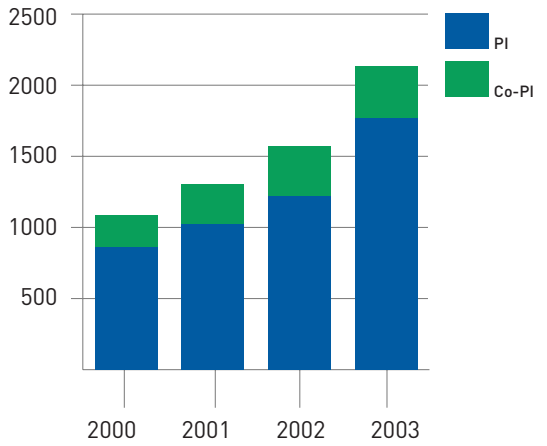
Several initiatives have contributed to our ability to deliver new and improved services to the field, as well as to stay ahead of the substantial increases in volume experienced over the past several years. That we have succeeded is evident in a single telling comparison: taking 2000 as the base year, the volume of activity handled by the Foundation has increased over 55% while the number of full-time central office staff has **decreased** nearly 15%.

As further evidence of the efficiency and effectiveness of the Foundation, consider the fact that between 2000 and 2003, the number of principal investigators and co-principal investigators served by the RF more than doubled, from just over 1,000 to more than 2,100.

### Percentage Change in RFCO FT Staff v. Percentage Change in Total Awards (base year = 2000)




### Trend in Total PI's and Co-PI's



That translates into over 1,000 more individuals calling the RF, sending e-mails, appointing staff, buying goods and services, filing reports, and performing other transactions, every one of which requires the attention of the RF central office staff and systems to one degree or another.

Such efficiencies are achieved through a combination of knowledgeable and well-trained staff and state-of-the-art electronic systems. The centerpiece of the systems is what we refer to as "e-services." These include on-line systems for hiring, timesheets, pay stubs, financial reports, space utilization and others. Ongoing development will add new systems to enhance operations in the areas of procurement, fixed assets, recruitment, and accounts receivable.

## The Future

The Foundation's current and future success rests on the twin pillars of staff and systems. RF employees are a devoted, talented and hard-working team of individuals who are committed to providing the highest levels of service to our clients. Through a variety of organizational enhancements, training, and professional development activities we continue to make ourselves even better.

Complementing the staff is a suite of electronic systems, many web based, that transform mundane mechanical processes, thereby assuring quicker action and freeing staff to address higher level concerns.

The Research Foundation has embarked on a program to expand and diversify its client base and sources of revenue. The Board has authorized the creation of a separate corporation, the purpose of which will be to offer a variety of services to other not-for-profit entities. In so doing, the Foundation will strengthen its financial base which, in turn, will enable it to provide more cost-effective and robust services to CUNY. The Foundation also continues to seek out an appropriate property to acquire for use as its permanent headquarters. Having occupied rental space throughout its existence, and forced to move following the September 11th terrorist attacks on the World Trade Center, the RF views its current location as temporary. As an owner, the Foundation would benefit from its tax exempt status (as a tenant it does not), reduce costs, create a sense of identity and permanence, generate revenue from other tenants, and secure a valuable asset.

The following pages provide detailed descriptions of a representative sample of the activities in which CUNY's researchers were engaged in 2003. Taken together, they tell a story of remarkable breadth and scope. A comprehensive list of all programs funded at $10,000 or greater is also included. (For a complete listing of all sponsored programs visit our web site at **www.rfcuny.org**.) We expect CUNY's success in attracting external support to continue to grow. The Research Foundation will be there to provide the services that help the University and our other clients succeed.

### A Word About Award Activity

The annual report narrative and charts reflect "award activity" or gross sponsor commitments recorded in the fiscal year. On the other hand, the Grants and Contracts sections of the audited financial statements reflect fiscal year "expenses" on sponsored awards. In many cases, expenses are actually lower than the award activity. One reason for this would be multi-year awards, which are recorded in their entirety when received but expended over multiple years. The reader will therefore note that the figures in the audited financial statements differ from those in the report narrative and charts because they refer to different measures.

## AWARDS BY SOURCE AND PURPOSE | 2003

| Source: | # | Research | # | Training | # | Program Development | # | Institutional Improvement | # | Equipment | # | Student Support Services* | # | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal | 223 | 57,478,200 | 43 | 13,853,289 | 58 | 23,004,998 | 18 | 659,368 | 8 | 1,315,141 | 33 | 25,004,266 | 383 | 121,315,262 |
| State | 18 | 3,866,105 | 106 | 22,823,979 | 19 | 5,546,858 | 19 | 2,001,990 | | | 29 | 3,612,503 | 191 | 37,851,435 |
| City | 13 | 5,014,662 | 94 | 46,446,637 | 25 | 3,883,271 | 10 | 7,975,898 | | | 7 | 540,065 | 149 | 63,860,533 |
| Private | 249 | 17,952,571 | 79 | 34,050,668 | 123 | 14,100,230 | 180 | 23,061,079 | 2 | 78,313 | 38 | 5,712,642 | 671 | 94,955,503 |
| PSC-CUNY | | | | | | | | | | | | | | 3,059,347 |
| Total | 503 | 84,311,538 | 322 | 117,174,573 | 225 | 46,535,357 | 227 | 33,698,335 | 10 | 1,393,454 | 107 | 34,869,476 | 1,394 | 321,042,080 |

*Non-pedagogical

## AWARDS BY SOURCE AND COLLEGE | 2003

| Senior Colleges | # | Federal | # | State | # | City | # | Private | # | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Baruch | 4 | 305,059 | 1 | 17,427 | 4 | 697,456 | 20 | 1,179,887 | 29 | 2,199,829 |
| Brooklyn | 24 | 4,089,114 | 7 | 282,430 | 9 | 223,113 | 37 | 5,156,260 | 77 | 9,750,917 |
| City | 104 | 30,044,064 | 21 | 2,882,400 | 14 | 4,520,531 | 54 | 5,883,917 | 193 | 43,330,912 |
| College of Staten Island | 25 | 4,073,167 | 15 | 1,783,469 | 4 | 258,672 | 19 | 1,586,917 | 63 | 7,702,225 |
| Graduate School | 18 | 3,521,373 | 2 | 300,491 | 7 | 529,631 | 67 | 7,213,249 | 94 | 11,564,744 |
| Hunter | 77 | 21,737,186 | 23 | 4,142,474 | 30 | 5,159,747 | 147 | 9,552,102 | 277 | 40,591,509 |
| John Jay | 11 | 9,524,300 | 8 | 1,436,704 | 5 | 200,154 | 25 | 1,210,216 | 49 | 12,371,374 |
| Lehman | 32 | 8,054,544 | 7 | 628,602 | 10 | 1,537,140 | 50 | 3,083,488 | 99 | 13,303,774 |
| Medgar Evers | 11 | 2,270,176 | 13 | 1,423,744 | 7 | 1,002,361 | 11 | 1,150,205 | 42 | 5,846,486 |
| NYC College of Technology | 4 | 934,330 | 9 | 2,044,700 | 4 | 200,902 | 11 | 504,711 | 28 | 3,684,643 |
| Queens | 17 | 3,118,103 | 4 | 35,000 | 10 | 945,957 | 100 | 8,430,373 | 131 | 12,529,433 |
| York | 10 | 3,424,956 | 3 | 176,013 | 2 | 234,500 | 16 | 1,549,965 | 31 | 5,385,434 |
| Senior Subtotal | 337 | 91,096,372 | 113 | 15,153,454 | 106 | 15,510,164 | 557 | 46,501,290 | 1,113 | 168,261,280 |
| Community Colleges | | | | | | | | | | |
| Bronx | 11 | 2,840,522 | 18 | 2,956,400 | 4 | 1,193,320 | 26 | 2,503,438 | 59 | 9,493,680 |
| Hostos | 4 | 301,695 | 7 | 1,061,041 | | | 4 | 935,397 | 15 | 2,298,133 |
| Kingsborough | 3 | 449,325 | 6 | 1,198,089 | 6 | 419,667 | 8 | 994,440 | 23 | 3,061,521 |
| LaGuardia | 10 | 3,946,170 | 14 | 2,749,453 | 7 | 2,674,057 | 9 | 2,588,366 | 40 | 11,958,046 |
| Manhattan | 9 | 4,279,297 | 10 | 2,283,628 | | | 3 | 561,633 | 22 | 7,124,558 |
| Queensborough | 3 | 842,192 | 7 | 1,687,313 | | | 9 | 524,307 | 19 | 3,053,812 |
| Community Subtotal | 40 | 12,659,201 | 62 | 11,935,924 | 17 | 4,287,044 | 59 | 8,107,581 | 178 | 36,989,750 |
| PSC-CUNY Awards | | | | | | | | | | 3,059,347 |
| CUNY Central* | 6 | 17,559,689 | 16 | 10,762,057 | 26 | 44,063,325 | 55 | 40,346,632 | 103 | 112,731,703 |
| Total | 383 | 121,315,262 | 191 | 37,851,435 | 149 | 63,860,533 | 671 | 94,955,503 | 1,394 | 321,042,080 |

*Included in the awards of CUNY Central is approximately $16 million of student financial assistance awards, which are administered by the central university accounting office.

## AWARDS BY FEDERAL SOURCE AND COLLEGE | 2003

| Senior Colleges: | # | Education | # | DHHS | # | NSF | # | DOE | # | DOD | # | NASA | # | NEA/NEH | # | Other Federal | # | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Baruch | | | | | 4 | 305,059 | | | | | | | | | | | 4 | 305,059 |
| Brooklyn | 3 | 776,781 | 9 | 1,788,572 | 7 | 1,064,821 | | | 1 | 80,000 | | | 1 | 68,940 | 3 | 310,000 | 24 | 4,089,114 |
| City | 8 | 2,123,991 | 23 | 9,680,939 | 46 | 9,366,075 | 2 | 223,432 | 11 | 2,521,928 | 8 | 2,171,733 | 1 | 80,000 | 5 | 3,875,966 | 104 | 30,044,064 |
| College of Staten Island | 5 | 1,761,482 | 9 | 1,322,015 | 9 | 902,614 | | | 1 | 12,990 | | | | | 1 | 74,066 | 25 | 4,073,167 |
| Graduate School | 3 | 430,556 | 7 | 1,654,073 | 4 | 1,162,494 | | | | | | | 3 | 64,159 | 1 | 210,091 | 18 | 3,521,373 |
| Hunter | 11 | 2,008,499 | 35 | 16,409,142 | 12 | 1,477,397 | 2 | 305,000 | 11 | 510,505 | | | 1 | 230,630 | 5 | 796,013 | 77 | 21,737,186 |
| John Jay | 7 | 1,959,373 | 2 | 7,475,506 | | | | | | | | | | | 2 | 89,421 | 11 | 9,524,300 |
| Lehman | 13 | 5,037,471 | 6 | 1,954,426 | 7 | 578,439 | 1 | 50,000 | 3 | 242,958 | | | | | 2 | 191,250 | 32 | 8,054,544 |
| Medgar Evers | 5 | 1,392,050 | 1 | 32,400 | 1 | 110,526 | | | 1 | 40,200 | 3 | 695,000 | | | | | 11 | 2,270,176 |
| NYC College of Technology | 3 | 744,126 | 1 | 190,204 | | | | | | | | | | | | | 4 | 934,330 |
| Queens | 3 | 752,100 | 9 | 1,555,748 | 3 | 530,896 | | | 2 | 279,359 | | | | | | | 17 | 3,118,103 |
| York | 4 | 1,179,234 | 3 | 2,019,094 | | | | | | | 1 | 192,000 | | | 2 | 34,628 | 10 | 3,424,956 |
| Senior Subtotal | 65 | 18,165,663 | 105 | 44,082,119 | 93 | 15,498,321 | 5 | 578,432 | 30 | 3,687,940 | 12 | 3,058,733 | 6 | 443,729 | 21 | 5,581,435 | 337 | 91,096,372 |
| Community Colleges: | | | | | | | | | | | | | | | | | | |
| Bronx | 5 | 1,976,863 | 1 | 130,000 | 2 | 443,296 | | | | | | | | | 3 | 290,363 | 11 | 2,840,522 |
| Hostos | 1 | 82,895 | | | 1 | 136,186 | | | 1 | 57,114 | | | 1 | 25,500 | | | 4 | 301,695 |
| Kingsborough | 1 | 223,896 | 1 | 181,429 | | | | | | | 1 | 44,000 | | | | | 3 | 449,325 |
| LaGuardia | 8 | 3,647,671 | | | 1 | 199,935 | | | 1 | 98,564 | | | | | | | 10 | 3,946,170 |
| Manhanttan | 7 | 1,164,784 | 1 | 241,824 | | | | | | | | | | | 1 | 2,872,689 | 9 | 4,279,297 |
| Queensborough | 1 | 264,171 | 1 | 208,095 | 1 | 369,926 | | | | | | | | | | | 3 | 842,192 |
| Community Subtotal | 23 | 7,360,280 | 4 | 761,348 | 5 | 1,149,343 | | | 2 | 155,678 | 1 | 44,000 | 1 | 25,500 | 4 | 3,163,052 | 40 | 12,659,201 |
| CUNY Central* | 3 | 16,287,189 | | | 2 | 522,500 | | | | | | | | | 1 | 750,000 | 6 | 17,559,689 |
| Total | 91 | 41,813,132 | 109 | 44,843,467 | 100 | 17,170,164 | 5 | 578,432 | 32 | 3,843,618 | 13 | 3,102,733 | 7 | 469,229 | 26 | 9,494,487 | 383 | 121,315,262 |

*Included in the awards of CUNY Central is approximately $16 million of student financial assistance awards, which are administered by the central university accounting office.

## AWARDS BY PURPOSE AND COLLEGE | 2003

| | # | Research | # | Training | # | Program Development | # | Institutional Improvement | # | Equipment | # | Student Support Services** | # | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Senior Colleges: | | | | | | | | | | | | | | |
| Baruch | 13 | 1,018,614 | 2 | 82,596 | 8 | 976,971 | 5 | 104,221 | | | 1 | 17,427 | 29 | 2,199,829 |
| Brooklyn | 46 | 5,303,789 | 13 | 1,713,711 | 8 | 797,603 | 9 | 1,617,758 | | | 1 | 318,056 | 77 | 9,750,917 |
| City | 131 | 32,392,752 | 18 | 2,658,819 | 26 | 5,235,043 | 6 | 681,665 | 3 | 627,767 | 9 | 1,734,866 | 193 | 43,330,912 |
| College of Staten Island | 27 | 2,390,449 | 15 | 2,127,753 | 4 | 413,453 | 9 | 2,087,162 | 2 | 303,400 | 6 | 380,008 | 63 | 7,702,225 |
| Graduate School | 35 | 4,025,251 | 13 | 1,398,370 | 7 | 680,461 | 32 | 4,819,670 | | | 7 | 640,992 | 94 | 11,564,744 |
| Hunter | 122 | 22,277,703 | 63 | 9,243,750 | 52 | 6,105,874 | 26 | 1,165,625 | 2 | 51,500 | 12 | 1,747,057 | 277 | 40,591,509 |
| John Jay | 12 | 741,476 | 14 | 1,741,712 | 11 | 8,359,410 | 7 | 233,636 | | | 5 | 1,295,140 | 49 | 12,371,374 |
| Lehman | 18 | 2,416,580 | 34 | 6,162,390 | 20 | 3,140,095 | 20 | 833,585 | 2 | 353,673 | 5 | 397,451 | 99 | 13,303,774 |
| Medgar Evers | 8 | 1,003,528 | 6 | 609,304 | 8 | 911,146 | 6 | 1,020,710 | | | 14 | 2,301,798 | 42 | 5,846,486 |
| NYC College of Technology | | | 13 | 2,240,440 | 8 | 966,453 | 4 | 344,478 | | | 3 | 133,272 | 28 | 3,684,643 |
| Queens | 52 | 4,208,240 | 14 | 721,225 | 5 | 514,779 | 57 | 6,195,935 | | | 3 | 889,254 | 131 | 12,529,433 |
| York | 10 | 2,070,258 | 8 | 1,084,265 | 5 | 527,623 | 5 | 751,857 | | | 3 | 951,431 | 31 | 5,385,434 |
| Senior Subtotal | 474 | 77,848,640 | 213 | 29,784,335 | 162 | 28,628,911 | 186 | 19,856,302 | 9 | 1,336,340 | 69 | 10,806,752 | 1,113 | 168,261,280 |
| Community Colleges: | | | | | | | | | | | | | | |
| Bronx | 10 | 708,204 | 21 | 3,382,084 | 23 | 4,361,679 | 1 | 10,249 | | | 4 | 1,031,464 | 59 | 9,493,680 |
| Hostos | 2 | 161,686 | 6 | 1,170,244 | 1 | 82,895 | 2 | 249,733 | 1 | 57,114 | 3 | 576,461 | 15 | 2,298,133 |
| Kingsborough | 5 | 343,779 | 3 | 940,618 | 5 | 559,451 | 3 | 475,061 | | | 7 | 742,612 | 23 | 3,061,521 |
| LaGuardia | 1 | 98,564 | 25 | 5,503,550 | 10 | 5,388,369 | 2 | 601,657 | | | 2 | 365,906 | 40 | 11,958,046 |
| Manhattan | | | 13 | 5,295,079 | 6 | 1,074,737 | 1 | 247,722 | | | 2 | 507,020 | 22 | 7,124,558 |
| Queensborough | 4 | 245,460 | 6 | 1,051,092 | 4 | 942,256 | 4 | 550,833 | | | 1 | 264,171 | 19 | 3,053,812 |
| Community Subtotal | 22 | 1,557,693 | 74 | 17,342,667 | 49 | 12,409,387 | 13 | 2,135,255 | 1 | 57,114 | 19 | 3,487,634 | 178 | 36,989,750 |
| PSC-CUNY Awards* | | | | | | | | | | | | | | 3,059,347 |
| CUNY Central*** | 7 | 4,905,205 | 35 | 70,047,571 | 14 | 5,497,059 | 28 | 11,706,778 | | | 19 | 20,575,090 | 103 | 112,731,703 |
| Total | 503 | 84,311,538 | 322 | 117,174,573 | 225 | 46,535,357 | 227 | 33,698,335 | 10 | 1,393,454 | 107 | 34,869,476 | 1,394 | 321,042,080 |

*Support provided by the Professional Staff Congress—City University of New York (PSC / CUNY) for faculty research supplementing funds available from external sources.
**Non-Pedagogical
***Included in the awards of CUNY Central is approximately $16 million of student financial assistance awards, which are administered by the central university accounting office.

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Lawrence N. Field Center for Entrepreneurship and Small Business
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Applied Science Institute
Applied Vision Institute
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Aquatic Research and Environmental Assessment Center (AREAC)
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Center for Diversity and Multicultural Studies
Center for Health Promotion
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Center for Biomedical Engineering
Center for Water Resources and Environmental Research
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CUNY Dominican Studies Institute
Institute for Transportation Systems
Institute for Ultrafast Spectroscopy and Lasers
Institute for Research on the African Diaspora in the Americas and the Caribbean (IRADAC)
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- Music in Gotham: The New York Scene, 1863–1875
- French Opera in the 17th and 18th Centuries — A Facsimile Series
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- Foundation for Iberian Music

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- Institute for Jewish Community Life
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Center for Media and Learning New Media Lab
Center for Place, Culture and Politics
Center for the Study of Philanthropy
Center for the Study of Women and Society

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Gotham Center for New York City History
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National Center on Educational Restructuring and Inclusion (NCERI)
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Martin E. Segal Theatre Center
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Center for Occupational and Environmental Health
Center on AIDS, Drugs and Community Health
Center for the Study of Collective Bargaining in Higher Education
Center for the Study of Gene Structure and Function
Centro de Estudios Puertorriqueños

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Criminal Justice Training Center
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# HIGHLIGHTS

**Nasser Abdellatif**
Chairperson

**Bronx Community College, Physics and Technology**

**Technology Preparation Program**

Bronx Community College received a $109,155 grant for the STEP program and a $89,749 grant for the CSTEP program from the New York State Department of Education to increase the number of historically under-represented and disadvantaged students in science, math, technology, health related fields and licensed professions. The STEP program serves secondary school students in the New York area. Its aim is to prepare students for entrance into postsecondary degree programs and improve the student's participation rate in math, sciences and technology by providing academic enrichment activities in various subject areas. Some of these activities are Regents examination preparation, tutoring, math and science competitions, an annual statewide conference and academic enrichment trips. The CSTEP program serves college students who enroll in and complete undergraduate and graduate programs that lead to professional licensure or to careers in mathematics, sciences, technology and health related fields. During the academic year CSTEP provides academic enrichment through workshops, tutoring, undergraduate school admission preparation, research in science and mathematics, conferences, field trips and other activities. In addition the programs provide ongoing supportive academic, developmental and holistic counseling services.

Tech-Prep is a curricular and instructional strategy for all students that begins in high school and continues through at least two years of postsecondary education. The grant totals $200,000 a year from the U.S. Department of Education. The program seeks to incorporate school based and work instruction in a comprehensive and non-repetitive curriculum. It also offers students rigorous coursework within an applied framework that enhances their ability to constructively relate school activities to future college and workforce requirements. The Tech-Prep curriculum includes core courses in mathematics, science, communications, and technologies, along with structured work experience. Tech-Prep's seamless curriculum helps students make smooth transitions from one educational system to another without experiencing delays or duplication in coursework.

**Irudayam Adaikalam**
Associate Director

**Bronx Community College, Research and Program Development, Bronx EOC**

**Health Workforce Retaining Initiative**

Bronx EOC is an educational program serving the economically and educationally disadvantaged youth and adults in the Bronx. Applied research at the EOC in recent years has focused on the product improvement (training curricula and pedagogical strategies) and customer service (population studies and business partnerships).

The Bronx EOC recently received a grant of $303,986 from the New York State Department of Labor and Department of Health through "Health Workforce Retaining Initiative". The healthcare industry in New York is undergoing changes affecting the current and future workforce. While workers are being laid off, employers are also selectively hiring multi-skilled productive workers. The Bronx EOC will participate in the State initiative to retrain and retain about 200 health care workers. The EOC will partner with selected employers to adapt training curricula to suit the specific needs of the employers. The employers will also participate in the actual training, either in the classroom or on the job floor. Past experience of the center shows that such employer-partnered training increases salary, offers more job security and leads to career opportunities.

**Spiro Alexandratos**
Professor
**Laurent Dambies**
Post-Doctoral
Research Associate

**Hunter College, Chemistry**

## Hybrid Cartridge for Arsenic Removal

With joint funding from the New York State Energy Research & Development Authority and the Pall Corporation (a $1.6 billion company based in Long Island that focuses on problems of separation and purification), and in collaboration with Pall's director of research, researchers at Hunter have developed a two stage cartridge that will be used to remove arsenic from groundwater and municipal water supplies. As reported by the World Health Organization, "Inorganic arsenic can occur in the environment in several forms but in natural waters, and thus in drinking water, it is mostly found as trivalent arsenite or pentavalent arsenate..." There are many countries in the world where arsenic in drinking water has been detected at concentrations greater than the Guideline Value, 0.01 mg/L or the prevailing national standard. These include Argentina, Australia, Bangladesh, Chile, China, Hungary, India, Mexico, Peru, Thailand, and the United States. Countries where adverse health effects have been documented include Bangladesh, China, India (West Bengal), and the United States. In research presented at the national meeting of the American Chemical Society (September 2003) and in a patent application filed the same month, the Hunter College researchers have prepared polymer beads with the unique ability to bind arsenic present in water and to do so selectively. Evaluation of the polymers was done at Hunter and confirmed by Pall researchers. The level of arsenic that remains in the water after it is passed through a column containing the beads is at the low part per billion level– well below the level harmful to health. The two stage cartridge will remove both types of arsenic found in water. Commercialization studies are in progress. Professor Alexandratos' research is supported by grants of $127,718 from the Pall Corporation, $152,992 from the PG Research Foundation, and $117,804 from the U.S. Energy Department.

**Robert R. Alfano**
Distinguished
University Professor

**The City College, Science and Engineering**

## Photonics and Laser Technologies Research and Development

Dr. Robert R. Alfano is Distinguished University Professor of Science and Engineering at The City College, where he has been a faculty member since 1972. Dr. Alfano heads CUNY's New York State Center for Advanced Technology in Ultrafast Photonics (CUNY-CAT); as well as CCNY's Institute for Ultrafast Spectroscopy and Lasers (IUSL); the NASA Center for Optical Sensing and Imaging; and the Department of Defense (DOD) Center for Nanoscale Photonic Emitters and Sensors.

Dr. Alfano has conducted groundbreaking research utilizing laser light and photonics technology in studying biomedical systems; developing tunable solid state lasers, picosecond lasers and femtosecond lasers. He has investigated ultrafast time resolved techniques and their applications to a broad range of studies in semiconductor physics, nonlinear optics, supercontinuum generation, biomedical optics as well as primary events in photosynthesis, vision and tissue diagnosis; and studies fundamental energy transfer processes in liquids, semiconductors and solids. The IUSL, established at CCNY over two decades ago, is world-renowned as the pioneering laboratory in promoting multidisciplinary research and education in photonic and laser technologies for scientific, engineering, medical and industrial applications. The IUSL is the core for the various centers, institutes and programs in photonics and lasers at CCNY and CUNY. Professor Alfano has received substantial grant funding from federal, state and private agencies and corporations, including NASA, the Department of Defense, New York State, CUNY, Grumman, Lockheed Martin, Mediscience Technology Corp., and Corning.

Under Dr. Alfano's leadership, City College and CUNY have developed unparalleled research and development capabilities in non-invasive medical diagnostic techniques (e.g., breast and prostate cancer detection), tunable laser development, optical imaging, novel semiconductor materials and structures, and nanoscale photonic materials. The CUNY-CAT aids New York State companies by conducting high-level research in its resident technological areas. It facilitates commercialization of applications through product development, licensing of intellectual property and technology transfer; provides companies with access to CUNY staff and facilities; trains workers for industry; prepares students (including many from minority groups) for academic and industry careers; nurtures small and start-up companies; and leverages its funding to secure additional resources

(federal, private, institutional and commercial) to further its objectives. CUNY-CAT has worked closely with over 50 New York State companies and received some $6.5 million in funding from New York State, and over $8 million in research funding.

Dr. Alfano, together with Professor Sam Ahmed of CCNY's electrical engineering department, heads a new CCNY Center for Optical Sensing and Imaging (COSI) recently established under a five-year $6 million grant from NASA. The Center's mission is to develop enabling optical technologies, laser instrumentation and methods for sensing and imaging the earth and its environment; and to recruit and train underrepresented minority students at the high school, undergraduate and graduate levels for these important fields.

In addition, a new Center for Nanoscale Photonic Emitters and Sensors was established recently at CCNY under a multi-year grant from the Department of Defense (DOD). CCNY is receiving $800,000 annually for up to five years to fund advances in photonics. Researchers will seek to merge and combine photonics and nanotechnology in order to keep the U.S. at the forefront of these important technologies. Dr. Alfano also spearheaded the development of a multidisciplinary research consortium among CCNY, CUNY and seven other leading universities to develop a variety of smart, compact, remote-controlled photonic sensing devices. Compact Photonic Explorers (CPE), will have a range of diagnostic applications, including remote health monitoring, bacterial detection, cancer screening, chemical sensing and industrial and military surveillances.

**Teresa Bandosz**
Associate Professor

**The City College, Chemistry**

## Desulfurization of Air and Gaseous Fuel

Reduced sulfur species such as hydrogen sulfide are responsible for bad odor related to anaerobic decay. They are also considered as very toxic substances for human beings. Recent and future environmental regulations will limit the amount of these gases emitted to the atmosphere from anthropogenic sources to the level of few parts per billion. To achieve such goals efficient and non-expensive adsorbents are needed. Dr. Bandosz's research for the last seven years has been focused on understanding the mechanism of desulfurization. Dr. Bandosz's research group is supported by the New York City Department of Environmental Protection (for over a million dollars for the last seven years). Their research has helped reduce hydrogen sulfide odor in NYC and its vicinity. As a result of their research the costs of air filtering operations are reduced. Recently Dr. Bandosz has been working on development of new adsorbents to remove odoriferous and toxic species. The significant and active component of those materials is sewage sludge. Their performance is superior to that of activated carbons. The outcome of this research will lead to a noticeable reduction in the amount of waste and a cleaner environment. The problem of removal of sulfur compounds is also important for cutting edge technology, such as fuel cell design, where gaseous fuel has to be practically sulfur-free to avoid poisoning of the reforming catalyst. Another application of the developed materials is in air filtering, either in combat situations, in industrial stacks, or in indoor applications. Several government agencies including NATO, in addition to companies such as DuPont, Synagro, USFilters, and Fuel Cell Energy have funded the research of Dr. Bandosz for the last three years. She collaborates with research labs in Spain, France, Ukraine and Moldavia.

**Andrew Beveridge**
Professor

**Queens College, Sociology**

## Making a Visual Map of Demographic and Social Changes

To many New Yorkers, Andrew A. Beveridge is a familiar name. Since 1993, Professor Beveridge has analyzed census and other survey data for the New York Times. Now with funding from the New York Times ($141,000), the National Science Foundation ($389,000) and joined with collaborators at the University of Minnesota and at UCLA ($33,000), he is working to provide data that makes it possible to see the entire sweep of demographic and population change in the United States from its founding through urbanization in the 20th Century to the present. These projects are part of the National Science Digital Library and the National Historical Geographical Information System. They will make it possible for Professor Beveridge, students and the public at large to visualize the range of United States population and demographic change.

Professor Beveridge is utilizing Geographical Information System (GIS) technology, which supports computer-assisted mapping of physical and social data. With a group of students, the team began mapping change in New York City. GIS proved an exciting way to follow population trends over time and space. The team can now question large data sets in novel ways and communicate the findings in easily understood visual displays. The result has been a growing body of work on population trends in the New York area, mapped across the region by race, ethnicity, gender, and income. The most widely publicized findings have included changes in traditional households, such as the increase of single-child families in Manhattan, and evidence that, with the exception of ethnically diverse western Queens, most recent immigrants to the city live in homogeneous enclaves.

Over the next 25 years, it is predicted that the metropolitan area will face tough challenges, including growing racial and ethnic disparities between city and suburbs. The work has shown in detail that white flight is redefining the urban core. New York is very different now than it was in 1950. In 1950 the city had about the same ethnic and racial population breakdown as the far suburbs have in 2003. New York City's population is now much more foreign, much more minority, much more immigrant. In this view, racial and ethnic divergence could be compounded by the trend toward higher concentrations of poverty in the city and wealth in the suburbs.

**Mark Brown**
Professor

**The City College, Mathematics**

## Problem Solving in Probability and Statistics

Dr. Brown's research in Probability Theory and Mathematical Statistics has received continual federal grant support since the late 70's. Currently Professor Brown has a two year $190,000 grant from the National Security Agency. In Probability Theory his main research is in approximations with error bounds in applied probability models. For example, in Markov chains with large finite state spaces, the first passage time distribution to a specified subset of the state space is a problem of significant interest. The exact distribution is known in principle, but is computationally too difficult to obtain. Its computation requires a complete spectral analysis of a large matrix, in applications often one with thousands of rows and columns. Dr. Brown has developed a relatively simple exponential approximation along with an error bound, which provides a computationally feasible accurate approximation. In statistics, Dr. Brown has developed methodology for distribution estimation in parametric models under total variation distance loss function. The standard procedure has been to estimate the unknown parameter, usually under mean square error loss function. The premise is that if the estimated parameter is close to the true parameter value then the corresponding estimated distribution will be close to the true unknown distribution. Thus, in many of its applications, parameter estimation can be viewed as an elegant proxy for distribution estimation. Dr. Brown's approach has been to estimate the distribution directly by minimizing a more intrinsic loss function.

**Theodore Brown**
Professor,
Executive Office
**Victor S. Strozak**
Senior Associate for
Science Education

**Graduate School and University Center, Computer Science and Center for Advanced Study in Education**

## The Advanced Placement Fellows Program

The Graduate School, in a partnership with high schools in the Bronx and The College Board is addressing the need to increase participation of low-income and underrepresented minority students in high school Advanced Placement (AP) courses in mathematics and sciences. The disciplines involved include Biology, Biochemistry, Chemistry, Computer Science, Earth and Environmental Sciences, Engineering, Mathematics and Physics. Ten Ph.D. students work with two teachers enhancing the abilities of high school AP teachers of science and mathematics to deliver AP courses to urban students. Graduate Fellows are receiving intensive summer and academic year training and support including College Board Summer Institutes and workshops on such topics as science and mathematics content, inquiry-based instruction, science and math standards, educational technology, AP course instruction, and post-secondary programs and career opportunities. In addition, high school AP teachers consult with CUNY university faculty who teach parallel courses thereby improving AP course delivery and articulation with post-secondary settings. This project will have broad impact not only for New York City but also for other urban school districts. The NSF has funded this work with $1,498,818.

**Rochelle Buffenstein**
Professor

**The City College, Biology**

## Testing Mechanisms of Aging in Long-lived Small Mammals

Rochelle Buffenstein is a comparative physiologist whose main research focus addresses physiological responses of small mammals living in stressful environments. Most of her ecophysiological studies have focused on the naked mole-rat, a mouse sized rodent that lives underground in equatorial northeast Africa. This mouse sized rodent is the longest lived rodent known. They live ten times longer than predicted by mass, continue to breed throughout their lives, and exhibit attenuated age-related declines in physiological function. The current research focus in Dr. Buffenstein's laboratory examines how these rodents are able to retard the aging process. Three existing paradigms of aging (namely the oxidative damage theory, the advanced glycation end product (AGE) theory and the longevity gene expression theory) will be evaluated by comparing responses of naked mole-rats with those of other shorter lived mole-rat species and mice as well as with subterranean insectivores and long-lived and short-lived bats. This multi-species assessment will elucidate if shared traits reflect phylogenetic commonality, ecological niche, if common aging mechanisms in long-lived organisms are evident. An integrated comparative approach employing organismic, biochemical, cellular, and genetic techniques is employed in these studies. These inter-species contrasts involving seven species with varying longevity will be used to test the ubiquity of proximate theories of aging. This work is directly relevant to aging research and was supported by a SCORE pilot grant ($32,000) and is currently supported by a five–year grant for $1,395,000 from the National Institute of Aging of the National Institutes of Health.

**Margaret Chin**
Assistant Professor

**Hunter College, Sociology**

## Chinatown after 9/11

Dr. Chin's project focuses on the after-effects of the September 11th tragedy on Chinese garment workers and Chinatown. Dr. Chin is particularly interested in understanding how the loss of thousands of garment jobs in the community affected not only the garment workers and families, but also how the loss of jobs affected the community fabric. The Russell Sage Foundation awarded the project $15,000 for immediate research on the impact of September 11th. Dr. Chin and her research assistants were able to conduct 61 interviews with Chinese garment workers and make field observations in Chinatown during late summer and early fall of 2002. The Asian American / Asian Research Institute made available $3,000, which facilitated follow-up and contact with displaced garment workers in the summer of 2003. The project team examined how the workers and their families coped with job loss, studied how displaced garment workers attempted to find new jobs and tried to understand the longer term effects on the community. They found that the September 11th tragedy accelerated the declines already taking place in the New York City garment industry as a whole and severely affected all businesses (garment, restaurants, banks, hair salons, and other stores) in Chinatown. Of particular concern was how the displaced Chinese garment workers would find new jobs outside of the Chinese community when most of their family and friends only had contacts with those who have or had jobs in the Chinese neighborhoods. Preliminary findings show that the ethnic enclave can only provide jobs for immigrants without English skills in economic good times. Chinese immigrant workers who had always depended on Chinatown jobs were, in a sense, stranded and at a loss as to how to get other work, when the Chinatown garment industry soured, such as after September 11th.

**Daisy Cocco De Filippis**
Provost and V.P. for Academic Affairs, Chairperson

**Hostos Community College, Office of Academic Affairs**

## Serrano Scholars Program

Founded in 2001, the Serrano Scholars Program is a collaboration of Hostos Community College and Columbia University's School of General Studies (GS) and School of International & Public Affairs (SIPA). The Serrano Scholars Program is sponsored by the United States Department of State, Department of Education, and Department of Defense, with grants totaling $782,986. The Serrano Scholars Program at Hostos Community College is an honors program designed to prepare students with a strong interest in bilingualism for careers in international affairs and national security. Serrano Scholars follow the honors liberal arts program of study and participate in mandatory extracurricular activities. They receive full tuition, stipend, academic guidance, and access to program resources. Hostos graduates who are admitted into the General Studies and School of International & Public Affairs will be eligible to continue in the Serrano Scholars Program at Columbia University.

Recruitment activities for Spring 2003 and Fall 2003 admission included informational workshops, development of a Serrano Scholars website in cooperation with Columbia University (www.serrano scholars.net), and implementation of a month-long Summer Institute for English and Math to strengthen foundation skills in potential program applicants. A series of weekly activities targeted roughly three areas for student growth and development: academics, exposure to cultural diversity, and personal development. In May 2003, the Scholars and three program administrators from Hostos and Columbia met with Congressman José Serrano in Washington, D.C. Chosen on academic merit, three Scholars were sponsored in a study abroad program in Florence, Italy, in January 2003. Four Scholars were selected for sponsorship in a study abroad program during January 2004.

**Max Diem**
Professor

**Hunter College, Chemistry**

## Medical Diagnosis Using Optical Imaging Techniques and Multivariate Statistics

Professor Max Diem received a research award in the amount of $ 1.2 million for four years, from the National Cancer Institute of the National Institutes of Health, for his ongoing research efforts to develop novel medical diagnostic methods based on optical measurements. Whereas most medical diagnoses are based on visual inspection of biopsy tissue sections or exfoliated cells by a pathologist, the methods developed in Prof. Diem's laboratory are based on the measurement of optical properties of the tissue and computer analysis. The optical spectroscopic techniques exploited in Prof. Diem's research are those of vibrational spectroscopy. These methods are well established as tools in modern analytical chemistry laboratories. Their application to biomedical diagnosis is just now receiving increasing attention, since these methods are sufficiently sensitive to analyze a single human cell, and monitor the (bio)chemical composition of cells or small pixels of tissue.

Prof. Diem's laboratory has emerged as one of the worldwide leaders in this research area. While this year's grant award is aimed specifically at developing methods for the automatic, machine-based diagnosis of cervical cells for cancer screening (a novel "Pap" test), the research efforts aim is to pursue a much broader goal in the early detection of various cancers. Pioneering work includes the collection of spectral data for colon, cervical, liver and prostate cancers, in addition to providing the understanding of the spectral differences between normal and abnormal cells.

**Richard Donovan**
Professor,
Executive Director
**Barbara Schaier-Peleg**
Associate Director

**Bronx Community College, National Center for Educational Alliances KwaZulu-Natal**

## Learning for Employment Partnership

The National Center for Educational Alliances has been working in South Africa since 1994. In 2003, the Center received an 18 month grant from the United States Agency for International Development ($100,000) to collaborate with the National Business Initiative (NBI) and the Umgungundlovu College to form the KwaZulu-Natal Learning for Employment Partnership. KLEP will assist South Africa's newly restructured technical colleges (now the Further Education and Training (FET) colleges) to better prepare students for the workplace. The partnership has initiated a multi-step initiative that will prepare and motivate teachers to focus on skills development in the classroom.

Initially, the partnership designed and offered a capacity-building workshop for FET college staff and administrators to raise awareness and discuss key issues that impact on student success. Following the workshop and throughout 2004, partnership faculty from BCC will provide ongoing support to Umgungundlovu engineering faculty to help them incorporate literacy, numeracy, and information technology skills into the engineering curriculum. Umgungundlovu engineering faculty will visit BCC to identify curricular and pedagogical approaches that are relevant to their students. Two BCC faculty will work closely with Umugungundlovu staff and will provide hands-on technical assistance at Umgundlovu. The partnership's goals are to:

- introduce staff to new approaches for upgrading student literacy, numeracy, information technology and technological skills performance;
- strengthen staff relationships with local employers; and
- help them develop accredited learnerships.

After the workshop is piloted at Umgungundlovu FET College, it will be adapted for other FET colleges throughout South Africa.

**Richard Donovan**
Professor,
Executive Director
**Barbara Schaier-Peleg**
Associate Director

**Bronx Community College,**
**National Center for Educational Alliance**

## New Educational Linkages in South Africa

Bronx Community College (BCC) and the Center for Education Policy and Development, Evaluation and Management (CEPD) in South Africa will be addressing two significant needs of the Further Education and Training sector-to offer students increased academic opportunities beyond the technical college and to foster greater cooperation between FET colleges, technikons, and universities. Supported by the Ford Foundation ($200,000) during this 18 month project eight teams representing FET colleges, technikons and/or universities in KwaZulu-Natal will design and implement joint plans to encourage student movement from one institutional sector to another and to promote inter-institutional cooperation. They will examine the curricula at FET colleges and use these analyses, a regional workshop, and pilot grants that focus on joint curricular projects as catalysts to prompt further collaboration between different educational sectors.

Together, BCC and CEPD have identified present barriers to inter-sector student movement and inter-institutional cooperation-specifically those curricular obstacles that discourage students from transferring from one type of institution to another. A team of expert practitioners has undertaken a three-step plan:

• Design a regional workshop at which representatives from universities, technikons, FET colleges, the national and regional Education Ministries, and others come together to discuss ways to promote academic rigor within the FET colleges, examine how FET courses may better articulate with technikon and university curricula, and encourage student movement from one sector to another.

• Offer eight pilot grants at $5,000 apiece to support inter-institutional curricular projects that most promise to enhance academic excellence at FET colleges, further student readiness for employment, help build access bridges for capable students seeking to pursue further education in technikons or universities, and promote inter-institutional cooperation.

• The work will conclude with a series of recommendations that will be developed collaboratively by BCC and CEPD. The joint report will draw on findings from the regional workshop as well as observations emerging from the implementation of the pilot grants. The recommendations will focus on desirable curriculum development at the FET institutions and articulation policies that promote inter-institutional cooperation and student movement.

**Deborah Douglass**
Director for Education
and Training
Opportunity Programs

**University Management,**
**Office of Academic Affairs**

## The College Opportunity to Prepare for Employment (COPE)

COPE was created in Spring 1993 to support public assistance recipients who were pursuing college degrees at CUNY. The goal is to prepare recipients for careers leading to permanent economic self-sufficiency. Funded through a collaboration between CUNY and the New York City Human Resources Administration (HRA), COPE is the longest running of several successful collaborations between HRA and CUNY.

Public assistance recipients pursuing higher education face daunting challenges. Most are parents and have to contend with housing issues, childcare problems, and even loss of welfare benefits at some point during their educational career. Additionally, all recipients must comply with a full-time work obligation, which may be only partially satisfied at best by class hours, depending on a student's major. Despite these challenges, COPE students persevere because they understand the difference that a CUNY degree will make in their and their families' lives. COPE staff at the 10 CUNY colleges that offer associate degree programs provide a variety of services, including: registration assistance, referrals to academic, support and social services, work study, internship and job placement, to thousands of students every year. COPE also works with liaisons at the 7 senior CUNY colleges to provide advisement and job placement services to students in baccalaureate programs. Funding for COPE is performance-based, with payments earned for documentation of job placements and retention. The program is required to place at least 500 students in unsubsidized employment every year and, despite a tight economy, has consistently earned enough to support COPE's $3,000,000 yearly budget.

**William Ebenstein**
Executive Director
John F. Kennedy Jr. Institute for Worker Education

**University Management, Office of Academic Affairs**

**John F. Kennedy Youth Transition Demonstration Program**

In October 2003, the John F. Kennedy, Jr. Institute was awarded a five-year, $2.6 million grant from the Social Security Administration for a Youth Transition Demonstration Program. This research based initiative is one of six federally funded, national demonstration projects. The Institute and CUNY colleges in the Bronx are partnering with the NYC Department of Education, the State Education Department, the NYS Office of Mental Retardation and Developmental Disabilities, non-profit developmental disabilities agencies, and parent support groups, to improve the academic performance and employment outcomes of youth with disabilities. Approximately two hundred students, 16 to 24 years of age, will participate in the demonstration group. The Institute will provide technical assistance to public and private agencies that have a mandate to deliver transition services to young people with mental retardation, autism and other significant disabilities who live in the Bronx and also receive Supplementary Security Income (SSI). CUNY colleges in the Bronx will host a four-week Summer Academy for students with disabilities, their parents and professional staff that will provide a forum for the coordination of services and the blending of resources from Federal, State and local programs. During the Summer Academy students will receive training in self-determination skills and their parents will get consumer advocacy training. Participants will also have access to culturally competent benefits counseling, vocational assessments, family support and legal services. CUNY college students with disabilities will serve as peer mentors. The Institute will also develop a four-course, twelve-credit certificate in Transition Services designed for staff employed by collaborating agencies and other related organizations. The Social Security Administration is waiving several rules and regulations as part of the demonstration. If the demonstration proves effective in facilitating the independence and self-sufficiency of participants, SSA will consider implementing these waivers on a national and permanent basis.

**Marie Filbin**
Distinguished Professor

**Hunter College, Biological Sciences**

**Spinal Cord Regeneration**

Dr. Filbin is interested in how a protein component of myelin (the insulating "sheath" around neurons), exerts its growth inhibitory effects on neuronal growth after injury. Dr. Filbrin is hoping that finding the mechanism at work may help in recovery after spinal cord injury. Coupled to this line of study, the lab also adopted several strategies to identify the functional MAG receptor on neurons. The discovery of the receptor this past year was a major achievement in the field of spinal cord regeneration and turned out to be somewhat of a surprise. The proposed receptor, dubbed Nogo receptor, since it had already been found to bind to another myelin-associated inhibitor, called Nogo, turned out to be the same receptor responsible for binding two other major myelin inhibitors. Taking into account that the other barrier for regeneration, the glial scar, does not fully form until several weeks after a spinal cord injury, implies there appears to be a window of opportunity during which treatment may be possible. To examine these findings, Dr. Filbin and her team set up experiments in collaboration with the laboratory of Dr. Barbara Bregman at Georgetown University (a leading expert in the field) to address the potential beneficial effect of cAMP elevation in regeneration of live animals models of spinal cord injury. Their combined results have demonstrated that the elevation of cAMP is able to improve the functional recovery of animals previously suffering from this type of injury. To accomplish all this, Dr. Filbin has received funding support from the New York State Department of Health, the National Institute of Health, the ALS Society and the MS Society. She is also the director of the Special Neuroscience Research Program (SNRP) at Hunter and has recently received the Javits Investigator Award and was the co-recipient of the prestigious Ameritec Award in 2001. Dr. Filbin's funding support totals over $1.5 million per year toward furthering her research.

**David Fisher**
Assistant Professor

**Lehman College, Mathematics and Computer Sciences**

**"Superrigidity and Cat (0) Geometry"**

Dr. Fisher's research focuses on mathematical concepts of rigidity in geometry and dynamics. A dynamical system is said to be rigid if it is stable under small perturbations. A dynamical system is also said to be rigid if any other system sharing weak properties of the system is isomorphic to it. Systems possessing many symmetries, particularly ones of geometric origin, have been shown to be rigid in this sense by many authors over the last 30 years. Dr. Fisher is in the process of completing a joint project with Professor G.A. Margulis, a Fields Medalist at Yale University. This project has produced optimal results concerning a certain large class of dynamical systems, generalizing and superseding work of many eminent researchers. His current work on Superrigidity, Actions on Manifords and CAT(0) Geometry is supported by a $106,494 grant for from the NSF.

**Nicholas Freudenberg**
Distinguished Professor

**Hunter College, Urban Public Health**

**Coming Home from Jail: Research to Improve Community Health and Public Safety**

For the past 15 years, Professor Freudenberg has studied the health and social problems of people returning to low income neighborhoods from New York City jails. Each year, more than 100,000 people spend time in NYC jails and their rates of HIV infection, tuberculosis, asthma, substance abuse and mental illness are many times higher than other New Yorkers. From 1992-2001, the Robert Wood Johnson Foundation provided a total of $9 million to develop and test a model program to reduce drug use and rearrest among women and adolescent males returning from jail to the South Bronx and Harlem. A randomized trial of the intervention conducted by Mathematica Policy Research, Inc., a national evaluation firm, found that participation led to modest reductions in drug use, increased involvement in drug treatment for women and increased completion of education for adolescents. However, overall arrest rates were not reduced.

To build on these findings, Professor Freudenberg has initiated three new studies. The first, supported for four years by the U.S. Centers for Disease Control and Prevention through the New York Academy of Medicine with an agreement for $153,812, tests the feasibility of community mobilization to build support for people returning from jail. With a community board, researchers have studied individual, organizational and community barriers to successful reentry from jail and developed interventions to reduce these obstacles. The second project, supported by the Open Society Institute with awards totaling $290,000, seeks to educate city policy makers about the issue of jail re-entry and to assist them to devise new policies to improve reintegration of people leaving jail. Finally, with four years of the support from the National Institute of Drug Abuse ($612,527), Professor Freudenberg and his colleagues have developed and are conducting a randomized evaluation of an intervention for incarcerated adolescent males designed to reduce the risk of HIV infection, drug use and rearrest. The program called REAL MEN helps participants to assess different conceptions of masculinity; make choices about relationships that support well being and freedom; and pursue education and employment. The community partner for this project is Friends of Island Academy, a multiservice agency for young people returning from jail.

**John Garvey**
Director
for Collaborative
Programs

**University Management, Office of Academic Affairs**

**The Gates Foundation Early College High School Initiative**

The University has been awarded $6.75 million by the Bill and Melinda Gates Foundation to manage a five-year effort to establish eight new and two redesigned early college high schools in collaboration with the New York City Department of Education. The Initiative will build upon the University's extensive collaboration with the city's public schools—including fifteen college-affiliated high schools and College Now.

The schools will have a special focus on students who are underprepared and come from underserved communities and underrepresented populations in the ranks of post-secondary completers. The Initiative is premised on the belief that these students will achieve more if challenged to do more and if provided a rich and supportive college-based learning environment. Students will be able to earn college credit and qualify for associate degrees or accumulate sixty credits toward the baccalaureate degree by the time they complete high school. They would begin taking college courses as soon as such course taking was educationally sound and could be coherently integrated with the rest of their academic work. In addition, students would be scheduled to take at least some of their courses, including high school credit courses, on campuses as early as possible.

The successful establishment of early college high schools will require substantial innovation in the areas of curriculum and instruction and the University will be drawing upon faculty expertise from across the system to support its work in those areas.The University will also be working closely with the leadership of the Department of Education, policy experts and representatives of local and state governments to identify key issues and develop sound recommendations with respect to financing, staffing and the award of credit for both high school and college work. The University is already home to three early college high schools—Project EXCEL at LaGuardia Community College, the Star School at Brooklyn College and the Manhattan /Hunter College High School for the Sciences. Those schools will become part of an expanded network of early colleges and their experiences will inform and enrich the work going forward in the new schools.

**Swapan Kumar Gayen**
Associate Professor

**The City College, Physics**

**Optical Imaging Through Turbid Media and Organic-Inorganic Hybrid Nanoscale Light Emitters**

Professor Gayen's current research involves: 1. Optical imaging of Objects Embedded in Turbid media, and 2. Organic-Inorganic Hybrid Nanoscale Light Emitters. The goal of the research on optical imaging through turbid media is to develop time-resolved and spectroscopic techniques that enable detection and indentification of targets in obscuring media. Professor Gayen recently received a 40-month $600,000 grant from the Office of Naval Research to develop imaging techniques that would help detection of targets in murky coastal water. Professor Gayen is also extending these ideas and approaches to imaging of objects through cloud, fog, smoke, and other atomospheric obscurants.

The project involving hybrid organic-inorganic nanoscale light emitters seeks to develop novel nanostructures based on combinations of organic materials with inorganic semiconductor quantum dots (QDs). The project is supported by the New York State Office of Science, Technology and Academic Research, and by the most recently awarded 5-year $4,000,000 center grant from the Department of Defense (DoD).

**Christopher C. Gerry**
Professor

**Lehman College Physics and Astronomy Department**

**RUI: An Investigation of Schemes for the Generation of Maximally Entangled Photons**

Professor Gerry's research performed with Lehman research associate R. A. Campos and graduate student A. Benmoussa, has been, in part, focused on methods for generating maximally entangled states that might be used for the purpose of interferometry. The team has proposed a number of methods based on nonlinear optical interactions. One in particular involves a nonlinear interferometer, an interferometer with nonlinear optical elements in its arms. In using maximally entangled states in interferometry, it is necessary to perform the proper kinds of measurements to obtain the required sensitivity. The proposed measurement scheme has application to another proposed method for performing Heisenberg limited interferometry where twin number states are injected into the interferometer. The twin number states can be obtained from a nonlinear process known as spontaneous parametric down-conversion. They have shown that parity measurements have Heisenberg limited sensitivity for high photon number inputs. The results for both maximally entangled states and twin number states have applications outside of the optical arena. For example, the methods can be used to resolve the phase between two-components of a two-mode Bose-Einstein condensate, the modes defined by internal atomic hyperfine states. In addition to applications in interferometry, maximally entangled optical states may have applications to photolithography, the transfer of circuitry images onto a substrate using light. With classical light, and as circuits become smaller, the Rayleigh diffraction limit, which limits the size of the transferred images, is approached. Maximally entangled states of light can breach this limit and thus allow the transfer of yet smaller images. Professor Perry and his asspciates are studying ways of generating states specifically for this purpose.

Professor Gerry's research is, and has been, supported by a National Science Foundation Grant ($60,000 over three years) a grant from Research Corporation ($29,700), an RF Equipment Grant ($16,613) and several PSC-CUNY Grants.

**Marilyn Gittell**
Professor

**Graduate School and University Center, Political Science**

**Assessing Community Change: Evaluation of the Ford Fund for Community Organizing**

In the summer of 2000 the Ford Foundation launched its Community Organizing Initiative, the culmination of Ford grantmaking experiences in the fields of community organizing. Employing a re-granting strategy, the Community Organizing Initiative sought to work through foundation partnerships to strengthen the capacity of grassroots organizations to do policy advocacy, aid the development of peer networks among local groups across race, class and geographic lines, and increase knowledge about the role of community organizing. The Initiative's effort was focused on three sites, Los Angeles, Chicago, and the South. The Howard Samuels State Management and Policy Center, headed by Professor Marilyn Gittell of the CUNY Graduate School's Political Science department, was asked to evaluate the Community Organizing Initiative.

Professor Gittell led a team of scholars in a three year project, assessing the effect of the Initiative and providing recommendations for improving the Initiative. The Howard Samuels Center team produced a Phase 1 report in 2002 and a Phase 2 report in 2003. They concluded that the Initiative had a significant positive impact. The Initiative had inspired significant "infrastructure building", "infrastructure" referring to the formal and informal arrangements and networks that are assembled in support of community organizing. While the difference in intermediary structures and underlying political contexts in the three sites had resulted in varied paths to infrastructure development, the following key components could readily be identified: a change in the definition and practice of community organizing; a significant increase in network development characterized by more collaboration between grantees and strategic alliances with political elites and other key stakeholders; and an increase in funding for community organizing. The Ford Foundation has funded this work with $300,000.

**Joseph Glick**
Professor

**Graduate School and University Center, Development and Psychology**

## Mathematics in the City: Professional Development Materials for Teaching, Learning and Mathematizing

This research project studied the dissemination of CD ROM based materials on "best mathematics teaching practices" in influencing the ways that teachers and teachers in training thought about 2nd grade mathematics instruction and the abilities of their students to construct mathematical knowledge. The goal of the research was to determine the optimal environment for and structure of dissemination. A number of field sites, in Missouri, North Dakota, Colorado and New York were studied. The research was directed toward uncovering the degree to which CD-ROM based materials were "autodidactic" (sufficient to get their intended message across without elaboration) and the degree to which "supports" in instruction, school setting, classroom setting, teacher background, had to be factored in as a part of a successful dissemination. This research accompanied the publication of text materials and CD-ROMs that are scheduled for national dissemination in the coming year. The research was a combination of formative (providing feedback for improvement of the dissemination project) and summative (measuring the effects on teacher thinking) evaluation. The NSF funded this work with $82,982 for fiscal year 2003.

**Rachelle Goldsmith**
Director of Collaborative Programs

**Kingsborough Community College, Academic Affairs**

## Consortium for Pre-Collegiate Arts Education

The Kingsborough Collaborative Programs Office is dedicated to fostering higher standards of academic achievement for students at all levels in the New York City public school system. To this end, it is dedicated to developing and maintaining strong school/college partnerships between administrators, faculty and students. By offering comprehensive instructional programs and support services without cost at both school and college sites, the office seeks to provide a diverse student population with access to enriched educational opportunities. Dr. Rachelle Goldsmith, who directs Kingsborough's Office of Collaborative Programs, is the Project Director for an innovative arts program funded by a $28,290 grant from the Independence Community Foundation located in Brooklyn entitled "Consortium for Pre-Collegiate Arts Education." The program looks to enrich and enhance arts education in high schools in Brooklyn and promotes the integration of artistic and academic learning in the service of promoting higher levels of student appreciation and achievement in the arts.

**Hilary Gomes**
Associate Professor

**The City College, Department of Psychology**

## Attention in Language Impaired Children

Dr. Hilary Gomes joined the Department of Psychology in 1997 after completing a Post Doctoral Fellowship in Pediatric Electrophysiology at the Albert Einstein College of Medicine. Her research developed out of her clinical observation that many language impaired children appear highly inattentive during verbal but not during visual tasks. Dr. Gomes wondered whether these children had simply learned to pay more attention to visual information since they were not able to effectively process what they were hearing or if these children (or at least a subset of these children) had a primary deficit in auditory attention. The goals of the first phase of the research were to determine whether language impaired children (between the ages of 7 and 9) actually exhibit difficulties on attention tasks and to determine whether the attention difficulties are specific to the auditory modality or are more global. Preliminary data suggests that there is a relationship between receptive language abilities and auditory attention. The second phase of the research will use electrophysiological brain measures while the children are engaged in an auditory attention task to determine where in the processing stream these children are having difficulty. These data will begin to answer the question of whether the attention issues are primary or secondary in these children. Dr. Gomes hopes that increased understanding of the relationship between auditory attention and language skills in children will lead to better and earlier educational interventions. This research is supported by a 5 year grant of $950,000 from the National Institute on Deafness and Other Communication Disorders. Dr. Vivien Tartter, professor of Psychology at City College, Dr. Jeffrey Halperin, professor of Psychology at Queens College, and Dr. Walter Ritter, professor emeritus at Lehman College are co-investigators on the grant.

**Debra A. Gonsher**
Professor
**Jeffrey C. Wisotsky**
Associate Professor

**Bronx Community College, Communication Arts and Sciences**

## Media Technology Program

Award winning television producers Professor Debra Gonsher and Professor Jeffrey Wisotsky have overseen the growth of the Media Technology Program in its goal to provide students with sufficient technical skills and education to secure employment in today's growing media industries. To this end, the program has aimed to provide students with the expertise needed in field production, camera operation, lighting, editing, audio recording and maintenance of basic media equipment.

One of the areas that most needed to be addressed was the dearth of digital cameras (DV) which were needed to effectively teach the Field Television Production class. The television camera is the single most influential piece of production equipment. One of Bronx Community College's major efforts included in FY 2003 was a Carl D. Perkins Vocational and Applied Technology Education Act Program Grant in the amount of $60,439 which enabled the Media Technology Program to incorporate digital cameras and field production equipment into the existing program. Training on this new camera equipment will provide increased employment opportunities, especially for women. The new lightweight camera equipment is opening doors to rewarding careers for women videographers. Female students can now be competitive in the job market with their newly acquired skills on the lightweight digital camera systems. In addition, the skills acquired through experience and activities with the digital cameras, translate directly to their understanding of other system elements such as non-linear editing and digital graphics. As of this point, results have been overwhelming. Female students have been empowered to explore their own visual creativity and men have used the new lightweight cameras to create original and imaginative camera techniques—two results that will translate into increased marketability for Bronx Community College students in the work force.

**Dixie Goss**
Professor &
Gertrude B. Elion
Endowed Scholar

**Hunter College,
Chemistry**

**Regulation of
Protein Synthesis**

Regulation of protein synthesis in cells is a vital biological function. Cancer can be described as unregulated growth; tumor suppressors inhibit protein synthesis; viral infections often take over host cell protein synthesis to make viral proteins. A number of disease states, such as the blood disease thalassemia, result from the manufacture of inappropriate amounts of two proteins that make up hemoglobin. Plant viral infections lead to worldwide destruction of such crops as rice and wheat resulting in severe famines in Third World countries. Protein synthesis in both plant and animal cells begins with a series of proteins (initiation factors) binding to mRNA. Selection of the appropriate mRNA to make proteins for different stages of growth and development is crucial for normal cell growth. Viral infections often result in cleavage of host cell initiation factors. Viruses then use other mechanisms for production of the limited number of viral proteins necessary for replication of the viral particles. By understanding the differences in normal protein synthesis and viral infections, therapeutic agents can be developed that will inhibit viral protein synthesis while allowing normal protein synthesis to continue. Similarly, understanding how cancer cells have lost the regulatory process will lead to intervention methods.

Professor Goss and her colleagues have been studying the mechanism of protein synthesis for a number of years. While the general components required and the basic mechanisms of protein synthesis in normal cells have been described, the detailed molecular interactions and rate limiting steps have not been identified. Professor Goss and her colleagues are using advanced biophysical and molecular biological techniques to identify the molecular interactions and functions of the initiation factors involved in both normal and virally infected cells. Recently, they have shown a unique mechanism for circularization of mRNA that is important in regulation of protein synthesis. The goals are to identify unique mechanistic steps that can lead to therapeutic intervention in viral infection and regulation of growth. Her work is supported by a four-year grant of $548,500 from the National Science Foundation.

**Marlene Gottlieb**
Dean

**Lehman College,
Arts & Humanities**

**Celia Cruz
Bronx High School
of Music**

Dean Gottlieb was awarded a $360,000 grant from New Visions for Public Schools to collaborate with the New York City Department of Education in establishing a small high school in the Bronx dedicated to developing students' musical abilities. The Celia Cruz Bronx High School of Music will open in September 2004 with 90 students, all of whom auditioned for the school. The principal, Dr. William Rodriguez, is a respected pianist, a Grammy winner, and a former accompanist for Celia Cruz as well as a Ph.D. in Music Education from Columbia University Teachers College. The high school is housed at De Witt Clinton High School, but all music classes are held in the Music Building at Lehman College. Music is infused into all academic subjects, and students will be given the opportunity to take college classes at Lehman in their junior and senior years. An academic committee of Lehman faculty from the arts and sciences has committed to mentoring the teachers and assisting in curriculum development as well as providing opportunities for the high school students to participate in the life of the college.

**Frank Grasso**
Assistant Professor

**Brooklyn College, Psychology**

**BioMimetic and Cognitive Robotics**

Lobster-like robots, equipped with highly refined sensors, might one day help people detect sources of pollution and unexploded mines in the ocean. Professor Grasso is testing lobster-inspired robots to see whether they can effectively track sources of ocean pollutants that might, for example, be killing fish. As a side benefit, this work is helping shed light on how animals like lobsters solve problems in the real world. The BioMimetic and Cognitive Robotics (BCR) laboratory conducts research into the neural, ecological and behavioral foundations of intelligence. Closely paralleled animal and robot studies are conducted to evaluate alternative explanations for the intelligent behavior of biological systems. Because of several technical advantages these studies have historically focused on marine invertebrates. Consequently, research in this interdisciplinary area contributes to our knowledge of biology, psychology, artificial intelligence, fluid mechanics and robotics. The primary aim of this research is to understand biological mechanisms of behavior. A secondary aim is to develop new technologies inspired by animal abilities. Currently funded projects include the study of octopus for the development of soft robot actuators, sponsored by the Defense Advanced Research Projects Agency (DARPA) and funded at $266,330.

**Steve Greenbaum**
Professor

**Hunter College, Physics & Astronomy**

**Energy Storage**

One of the foremost technological challenges of the coming decades is a vastly improved energy storage system for electric vehicles and applications pertaining to civilian, military, and aerospace needs. Professor Greenbaum's research concerns the evaluation of materials being developed for use in fuel cells and high energy density lithium batteries. Among these are polymer electrolytes, in which the dynamics of ion transport in these disordered media are investigated by solid state nuclear magnetic resonance (NMR) methods. Professor Greenbaum collaborates with Professor Marten denBoer on the synchrotron studies carried out a Brookhaven National Lab, and also works with several other national labs including Argonne National Lab and the NASA Jet Propulsion Lab on the development of new power sources. Primary agency support comes from the Office of Naval Research (which has funded Professor Greenbaum for 19 of his 20 years at Hunter), the Department of Energy, the Air Force Office of Scientific Research, with more recent grants coming from the NASA Jet Propulsion Lab and the National Institutes of Health SCORE Program. These latter two projects are focused on materials for aerospace and medical implant batteries. Professor Greenbaum has recently been funded to investigate the factors that lead to failure in lithium ion batteries. His annual grant is over $600,000. Professor Greenbaum was recently recognized by the National Science Foundation and the White House Office of Science and Technology Policy by receiving the 2002 Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring. He also received the 2001 Roosevelt Gold Medal for Science from the United States Navy League, which is given for exceptional contributions to national security.

**Joel David Hamkins**
Professor

**College of Staten Island, Mathematics**

**Set Theory**

Professor Hamkins conducts research in the area of mathematical logic known as set theory, with a focus on the concept of infinity. In recent decades, the mathematical investigation of large cardinals—the largest infinities—has produced a deep understanding of the inaccessible cardinals, the indescribable cardinals, the ineffable cardinals, the measurable cardinals, the supercompact cardinals, and the huge cardinals, to name a few. A major analytic technique is the method of forcing, by which logicians construct alternative mathematical universes, or models of set theory, where there are alternative mathematical truths. The existence of such universes shows that many mathematical statements can be neither proved nor refuted. Professor Hamkins has investigated the interaction of forcing and large cardinals. The work on the Gap Forcing Theorem identified surprising, severe limitations on how the large cardinal embeddings of a forcing extension relate to those in the ground model. More recent work introduces the Maximality Principles, a new class of forcing axioms, and has been picked up by some top logicians. In other work, Professor Hamkins settled the general case of the transfinite automorphism tower problem, where one iteratively computes the group of symmetries of an arbitrary mathematical structure. Finally, Professor Hamkins has led the international investigation of infinite time Turing machines, a new theoretical foundation for infinitary computability. His research has been funded in part by grants from PSC-CUNY, the CUNY Collaborative Incentive grant program, the NATO Research Grant program ($6,200) and the National Science Foundation ($74,400). In 2000, he was awarded the CUNY Award for Excellence ($5,000).

**N. Gary Hemming**
Professor

**Queens College, School of Earth and Environmental Sciences**

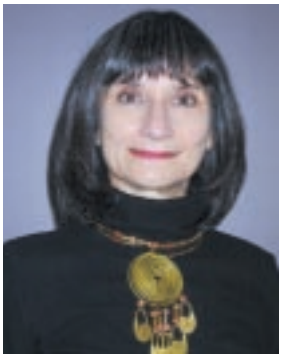
**A History of Ocean Change: Analyzing the Boron Isotope in Foraminifera**

Essential to understanding anthropogenic impacts on atmospheric chemistry and global climate change is knowledge of ancient, natural fluctuations in earth's climate, and the causes of those fluctuations. Direct evidence is rarely available, such as air trapped in arctic ice cores. Instead, scientists generally use proxies of earth surface conditions, such as isotopes of oxygen and carbon, which have been particularly useful in estimating past changes in surface temperatures, glacial ice volume, biomass, and ocean circulation, but provide little insight into ocean chemistry. Boron isotopes in marine carbonates have the potential to provide us with information about past ocean chemistry, as the boron isotopic composition of marine carbonates is primarily controlled by the ocean's carbonate chemistry. Although tested and applied in numerous scientific studies over the last fifteen years, to date there has been no systematic, global evaluation of this proxy. Dr. Gary Hemming of Queens College is undertaking this research with funding of $434,495 from the National Science Foundation for the next three years.

**Ana Maria Hernandez**
Professor

**LaGuardia Community College, Humanities**

## The African Roots of Latin Music



The purpose of this project is to develop a series of four course-specific modules to study the influx of African instruments, rhythms and musical structures into the Spanish-Caribbean colonies and the gradual development of these musical forms into contemporary salsa, Latin jazz and classical music. The modules encompass the study of the influence of Latin music on American music and vice versa, beginning in the mid-nineteenth century with the Louisiana composer Louis Moreau Gottschalk, progressing through the Big Band era in Harlem, and culminating with salsa and Afro-Cuban jazz as distilled by Dizzy Gillespie, Machito, Chico O'Farrill, Tito Puente, Ray Barreto and others. The influence of African elements on the contemporary classical compositions by Amadeo Roldán, Alejandro García Caturla and Silvestre Revueltas is explored through a series of two concert-lectures by the Carpentier Quartet. The first concert introduced the audience to the basic African-derived rhythmic cells (cinquillo and clave) that became the backbone of the Cuban dances (contradanza, danza and danzón) leading to son, one of the sources of salsa together with rumba and mambo. The second concert, in Spring 2004, will highlight contemporary tendencies in Latin music that reflect the fusion begun with Dizzy Gillespie's historic encounter with Chano Pozo in the New York of the 1940's. A project website is being developed to disseminate the findings among the academic community and the Internet public at large. This project is funded by a $25,000 focus grant from the National Endowment for the Humanities.

**Arlene M. Kahn**
Principal Investigator
**Hazel Carter**
Director

**LaGuardia Community College, Academic Affairs**

## GEAR UP

Dr. Arlene M. Kahn serves as Principal Investigator and Hazel Carter directs this five year grant ($1,519,988 per year) from the US Department of Education in support of GEAR UP (Gaining Early Awareness and Readiness for Undergraduate Programs), which aims to increase significantly the number of low-income students who are prepared to enter and succeed in postsecondary education.

Services to students are offered during the week, on Saturdays and during the summer and fall within three categories: counseling and mentoring, strengthening academic skills and college readiness and experience. The program provides individual attention and academic counseling as well as small group support, which is issue-based and directed particularly at students "on the margins", who are struggling, perhaps reading poorly, and need to improve both their academic performance and their attendance. In addition, GEAR UP strengthens literacy and numeracy skills through Saturday SAT Prep and Regents Prep classes, book readings, and author workshops offered through the Queens Borough Public Library, and mini-seminars offered by LaGuardia faculty. Students also participate in classes and workshops offered through other collaborative programs at the college such as College Now, College Connection, College Prep, and the Liberty Partnership Program. In addition to these experiences, GEAR UP heightens awareness, offers information and fosters planning for college through the assembling of a college portfolio—an effort which operates through all eleventh grade English classes—participation in the College Coach program and special activities offered at the College. All of these are designed to help students become knowledgeable of the college admissions and financial aid process, to identify critical issues in choosing a college, to analyze their own needs, preferences, parameters and possibilities, and finally, to visit a college campus (and debrief that visit). Professional development provides a forum for dialogue for teachers across the spectrum of grades 7–12, an opportunity to cross institutional lines and discuss issues and pedagogy related to strengthening literacy skills, mathematics skills, and other curricular and assessment issues. GEAR UP works with parents, providing information on the college admissions process, the financial aid process, the timeline, critical issues and decisions, which parents and students need to make. Data gleaned from student, teacher, and parent surveys as well as focus groups and interviews indicate that students who are highly involved in GEAR UP are more aware than their non-participating counterparts about the kinds of classes they must take in high school that will substantially impact their ability to attend a college of their choice.

**Ahmet Mete Kok**
Professor

**Borough of Manhattan Community College, Computer Information Systems**

**Curriculum in Multimedia Programming and Design**

Since joining Borough of Manhattan Community College in 1985, Professor Mete Kok has been responsible for day-to-day operations of various research projects and has spearheaded a number of curriculum development efforts, including a new degree program in Multimedia Programming and Design. Professor Kok has successfully garnered funding ($550,000) for the multimedia degree program from the National Science Foundation under its Advanced Technology Education (ATE) initiative. The scope of this project included designing and developing multimedia curriculum, and conducting faculty development workshops in the use and teaching of multimedia technology. Professor Kok received $400,000 for the development of asynchronous distance learning using multimedia technology and student tele-mentoring in new media from the United States Department of Education, under the FIPSE initiative. Recently, Professor Kok has initiated a move to integrate computer-networking applications into computer science and mathematics courses. This collaboration between two departments at BMCC (Mathematics and Computer Information Systems) and the Computer Science Department at York College has yielded funding ($245,000) from the Department of Education, Minority Science and Engineering Improvement Program. Professor Kok regularly conducts workshops for faculty in other disciplines using multimedia technology. For these efforts, he recently received the CUNY Performance Excellence Award.

**Joel Koplik**
Professor

**The City College, Physics/Levich Institute**

**Molecular Dynamics of Fluid-Solid Systems**

Professor Koplik's research involves several problems relating to the interactions of fluids and solids at microscopic scales. The aim is to extract information not readily obtained by other experimental or theoretical techniques, which bear critically on the dynamics of such systems as macroscopic scales. The problems include: the effects of surface active additives on the evolution of drops spreading on solid substrates, with the goal of understanding the phenomenon of super-spreading and contact line dynamics; the flow of liquids on substrates with heterogeneous and patterned wetting characteristics; the dynamics of non-Newtonian fluids inextrusion, with emphasis on the singular behavior found in flows near a solid corner and surface instabilities; and the dynamics of colloidal systems, emphasizing microscopic probes that complement conventional space-based measurements, and the effects of weak gravitational and attractive forces and temperature, polydispersity and other perturbations on phase structure. This research makes use of molecular-scale numerical simulations of interacting atomic solids and liquids in configurations corresponding to laboratory experiments. The research is supported by a $39,000 grant from the NSF, a $98,000 grant from the DOE, and $45,000 NASA grant.

**David Kotelchuck**
Associate Professor

**Hunter College, School of Health Sciences, Urban Public Health Program**

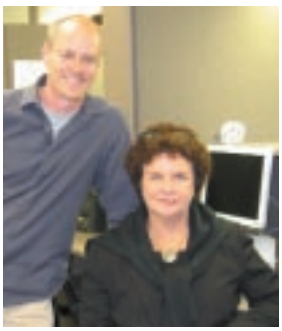
**Center for Occupational & Environmental Health (COEH)**

The Center for Occupational and Environmental Health is a research, training and educational center whose mission is to promote urban community and workplace health. The Center, funded by grants from a wide variety of city, state and federal agencies, has engaged in community lead poisoning prevention training in Brooklyn, asbestos and lead worker health and safety training in New York and New Jersey, ergonomics training for paper workers in upstate New York, and hazardous waste worker and emergency response training across New York State. The Center has offered 24 and 40-hour courses to representatives of the US Army Corps of Engineers, the US Coast Guard, the New York State and City Departments of Health, the NYC Health and Hospitals Corporation, the NYC Department of Environmental Protection and other private and governmental groups. Recent highlights include a Minority Environmental Technicians Training Program sponsored by the NYC Department of Housing and HUD in which over 50 young men and women living in NYC public housing projects were given training, in cooperation with the NY Council of Carpenters, AFL-CIO, to assume environmental technician jobs in their own housing projects and in the construction industry. Recently an Integrated Pest Management project was completed in the Lehman public housing project in East Harlem, funded by EPA and the NYC Dept. of Health, showing that such an effort could cause a drop in pest populations in these projects and be sustained, while reducing pesticide use in a community with elevated asthma rates. The NYC Housing Authority has now adopted this program and is bringing it to over 400,000 public housing units throughout NYC. Currently Dr. Jason Corburn, COEH Associate Director, is conducting a federally-funded Environmental Exposure Mapping project in the Greenpoint /Williamsburg section of New York, combining EPA Toxic Release data with local exposure data collected by El Puente and other community groups to give a better, neighborhood-level mapping of toxic air contamination levels in that community. Also this year, the Center has received a $400,000 Health Workforce Retraining grant from the NYS Department of Health to offer skills-based training programs to HIV/AIDS community follow-up workers in New York City.

**Jo Ann Kranis**
Director of Interpreter Education
**Rob Hills**
Coordinator of Interpreter Education

**LaGuardia Community College, Division of Adult & Continuing Education**

**American Sign Language/English Interpretation Program**



US Department of Education funds enabled LaGuardia Community College to establish a non-credit Professional Certificate Program in American Sign Language (ASL)/English Interpretation. Over a 4-year period, $261,000 in NY State Education Department funds, funneled through the Rochester Institute of Technology, enabled LaGuardia to: (a) advance the program to credit-bearing status to prepare interpreters to work in educational settings and (b) build a state-of-the art Interpreting lab to enable students to practice working between a visual/manual language (ASL) and an oral/aural language (spoken English). LaGuardia established a collaboration with Empire State College of SUNY to provide a BA program in Cultural Studies: ASL/English Interpretation, with a focus on Interpreting in Educational Settings. Nationally recognized specialists designed the interpretation curriculum. The program satisfies: the State-identified need for academic degrees for interpreters working in school settings; national interpreting standards; and the desire of interpreting students for academic credentials. The interpretation courses remain housed at LaGuardia where a lab was custom-designed with sound-resistant flooring, wall panels and partitions between student stations. To accommodate every type of practice required in the unique process of interpreting between languages that use differing communication channels, the multimedia set-up was specially configured to allow students to record their spoken English interpretation as they view ASL source material. They can reverse the process recording an ASL interpretation as they view/listen to spoken English source material. Along with individualized work, an instructor at the teacher station can send a source piece to all or a select number of stations, and monitor the student work being done at any station. Both the program and the lab are unique in the tri-state NYC metropolitan area.

**Kui-Lam Kwok**
Professor

**Queens College, Computer Science**

## Automated Chinese-English Translation System

The World Wide Web is a ubiquitous, open information resource that is at once so vast that it appears to encompass all knowledge, but so 'noisy' that one often has the proverbial feeling of 'finding needles in a haystack'. Many organizations and governments seek out web-based information routinely, directing personnel to search, monitor and analyze the web in all languages for a variety of purposes —security, politics, business, science and technology. Such tasks are important but labor-intensive, monotonous and error-prone, especially when the language is not native. An analyst's dream tool would filter and classify electronic/web documents into task-relevant piles, extract salient information, translate them to English, and sort them in order of importance based on required criteria, all automatically. Such an automaton does not exist, and will not for some time to come, but research that advances this goal is being conducted by Dr. K.L. Kwok at Queens College.

Dr. Kwok was awarded a $550,000 contract from the Advance Technology Program of the U.S. government to prototype a system in this direction, but with a more modest goal, namely: to automatically extract all named entities from Chinese documents and (back)-transliterate them to English. Named entities such as location, organization and person in particular are crucial carriers of information. Knowing their presence would facilitate greatly an analyst's job of deciding if a document is worthy of full manual translation. Another objective is to study and implement cross language name finding: translate names in English and locate them in Chinese documents. Chinese processing is notoriously troublesome because the language is agglutinous: there is no delimiter between words. (One can imagine English sentences stuck together without blanks). In this project, word segmentation and part-of-speech tagging tools will be employed to analyze the text. Additionally, known and derived properties of name composition, context information, and WWW confirmation are employed to identify names as accurately as possible. After name extraction, one has to face name translation between two completely different languages. While full translation of documents is not attempted in this work, named entity translation is no less difficult. Names are open-ended, ever changing, and no static bilingual namelist available is adequate.

**Joann La Perla**
Provost

**New York City College of Technology**

## Title V Initiatives

Through the U.S. Department of Education Title V (Programs for Hispanic Serving Institutions) and under the leadership of Dr. Joann La Perla, Provost, three separate but synergistic grant-funded intiatives are under way at New York City College of Technology. The college is implementing broad educational enhancements designed to improve the quality of the learning experience for students. Dr. Estela Rojas is the project director of a Title V grant awarded to City Tech in 2001, entitled Improving Retention through Career-Based Learning Communities, funded at a level of $1,572,687 over four years. Nine career-based learning communities will have been designed and implemented for all entering students, a Freshman Service Center has been founded, and more than half of the full-time faculty has participated in professional development designed to infuse multimedia pedagogies into instruction. In 2001, a three-year Title V collaborative grant was awarded to City Tech in the amount of $926,206 and implemented in partnership with LaGuardia Community College. Project Director Professor Karen Bonsignore is guiding the creation and implementation of Electronic Student Portfolios designed to facilitate the transfer of students from associate degree programs at LaGuardia to baccalaureate programs at City Tech. By the end of the three-year grant period, a total of 112 faculty members will have learned how to use the electronic portfolios as a means of outcomes assessment and program improvement. City Tech is also a participant in a demonstration project funded in the amount of $29,474 and conducted by the University of Texas at El Paso in collaboration with five HSIs across the nation to identify institutional best practices in data collection, educational practices, federal funding administration, and Title V project characteristics that advance academic success, persistence, and degree completion among Latino students.

**Andre Lake**
Dean

**Medgar Evers College, Office of Youth Development Programs**

## The Beacon Programs

The Beacon Programs partner with the school community, neighborhood residents, business and other CBO's to provide education, recreation and cultural activities dedicated to the betterment of today's aspiring students. Medgar Evers College's first Beacon Program started in M.S. 2 in Flatbush in 1992. Since then, the Program has expanded to I.S. 138 in Crown Heights and J.H.S. 185 in East Flatbush. The Program is funded by the New York City Department of Youth and Community Development in the annual amount of $400,000 per site. Each site serves about 1,750 participants per year. The program offers participants a wide variety of activities including homework help, sports, arts instruction, academic enrichment, conflict mediation/resolution, community services and project based clubs.

**Nikola Lakic**
Associate Professor

**Lehman College, Mathematics and Computer Sciences**

## Geometric Objects in Non-Euclidean Geometry

Professor Lakic's research involves the study of geometrical objects and related mathematical concepts within the field of hyperbolic or non-Euclidean geometry. While Euclidean geometry deals with the description of flat surfaces, non-Euclidean geometry deals with such concepts as the structure of the surface of the earth. There are many different models for hyperbolic geometry; one of them is a disk. There is a metric in hyperbolic geometry that has constant negative curvature and it is called the hyperbolic metric. This metric enables us to measure distance between any two points in the hyperbolic plane. This distance is an important tool but it has no explicit formula except in a few easy cases; therefore, one has to rely on estimates. The primary goal of Dr. Lakic's research is finding those estimates and the second goal is to apply the obtained estimates. Interesting applications include the study of conformal geometry and dynamical systems. Examples of dynamical systems can be found in ecology and economics. Population growth within an ecosystem or fluctuations in the value of a stock market often depend on the parameters that describe the change of the value from one time parameter to the next. Studying these parameters and applying the methods of hyperbolic geometry in the iteration process provides a means of mathematically predicting and describing these important concepts. Over the last five years Dr. Lakic has received over $140,000 from the NSF for his research on Infinite Dimensional Teichmuller Spaces.

**Carlo Lancellotti**
Assistant Professor

**College of Staten Island, Mathematics**

**Kinetic Theory of Plasmas and Gravitating Systems**

Professor Lancellotti's field of interest is Mathematical Physics, with special emphasis on non-equilibrium statistical mechanics. Statistical mechanics strives to understand how the properties of macroscopic physical systems arise from the interactions among huge numbers of microscopic entities, such as atoms and molecules. This type of question leads to fascinating and hard mathematical problems. Professor Lancellotti has been working on the so-called kinetic theory of plasmas and gravitating systems. These are assemblies of many electrically charged particles (plasmas) or large populations of stars (galaxies, globular clusters) that interact through inverse-square forces (e.g.gravity). Over the years, physicists have assembled a body of beautiful theoretical models, called kinetic equations, that are supposed to describe mathematically the behavior of these systems. However, the current understanding of the solutions to these complicated differential equations is still very limited, hence the need to apply advanced mathematical methods in order to investigate such solutions and compare them with the phenomena that are observed in nature. The mathematical analysis is often supplemented by numerical simulations that shed light on the nature of the solutions being investigated. Professor Lacenllotti is currently studying the equations that regulate energy dissipation in plasmas and gravitating systems (Landau and Lenard-Balescu equations), as well as the so-called Kuramoto model, that describes the dynamics of large assemblies of oscillating systems (for example, crickets, heart cells and other biological systems). The research is currently supported by a $72,000 three-year grant from the National Science Foundation and a PSC-CUNY grant, and is conducted in collaboration with other researchers at both the College of Staten Island and other research institutions.

**Themis Lazaridis**
Assistant Professor

**The City College, Chemistry**

**Theoretical and Computational Biophysical Chemistry**

Professor Lazaridis does research in the area of theoretical and computational biophysical chemistry and addresses two fundamental problems in the biological sciences: protein folding and molecular recognition. Protein folding is the process by which a disordered protein chain attains its unique three-dimension structure. The "protein folding problem" refers to both the fundamental study of this process and the more pragmatic goal of predicting protein structure from amino acid sequence. Molecular recognition is the specific binding of molecules to each other. Most biological processes, such as enzyme catalysis, regulation of gene expression, or signal transduction in the cell, involve molecular recognition. Molecular recognition is also important in the emerging field of supramolecular chemistry. Protein folding and molecular recognition are closely related problems. The former is intramolecular and the latter intermolecular. Because both occur in solution, interaction with water plays a critical role in these processes. What controls the conformation of a protein or the relative configuration of two molecules in water is the effective energy, the sum of the intramolecular energy and the solvation free energy. While several molecular mechanics force fields are available for the intramolecular energy (for example, CHARMM, AMBER etc.), accurate models for the solvation free energy of a protein are lacking. The specific research involves: fundamental statistical mechanical studies of solvation thermodynamics; development of simplified solvation free energy models for biomolecules; application of such models to protein folding and stability and molecular recognition. Professor Lazaridis is currently funded through the NSF for $367,000.

**Charles Liu**
Professor

**College of Staten Island, Engineering Science and Physics**

## COSMOS — Unveiling the Universe

What is the history of our universe? A ground-breaking new research project called COSMOS seeks to answer this grand challenge. An international team of 40 astrophysicists, including Assistant Professor Charles Liu, have joined together to make COSMOS a reality. The centerpiece of COSMOS is the largest allocation of observing time ever given to a single research program on the Hubble Space Telescope. For about one month in each of the next two years, COSMOS scientists will train the Hubble on a single patch of sky - about the size of a quarter held at arm's length. That may not sound like much, but it's the largest contiguous area ever covered by Hubble. Within its borders lie an estimated five million galaxies, each containing billions of stars, at distances of up to 13.5 billion light-years from Earth. Since the light from these galaxies takes billions of years to reach us, COSMOS is a glimpse back in time — a window into the deepest past. In concert with the Hubble, COSMOS scientists will use many of the world's most powerful telescopes, in space and on the ground, to map and measure the same area in multiple colors of visible light, ultraviolet and infrared light, radio waves, and X-rays. The ultimate goal is the assembly of an astrophysical dataset of unprecedented scope and detail, a scientific legacy for this and future generations of astronomers to use for solving the mysteries of cosmic structure and history.

Professor Charles Liu's contribution to the COSMOS project focuses on the star formation history of galaxies. Most galaxies form stars at a slow, steady pace, but some are making new stars at a torrid rate — a sure sign that powerful processes are at work in shaping and changing those galaxies. How does the duration and frequency of these "starbursts" depend on cosmic time, and how are they distributed across the universe? What does all that tell us about the birth, aging, and ultimate fate of our own galaxy, the Milky Way? Professor Liu hopes that his work, together with that of his COSMOS colleagues, will soon yield some answers. The larger COSMOS project has a multi-million dollar, multi-year budget, funded by NASA through the Space Telescope Science Institute, and divided among dozens of investigators. CSI/CUNY's share is $21,427 with a slightly larger amount expected for the following year.

**Luis Lopez-Molina**
Assistant Professor

**The City College, Biology**

## Seed Germination in Arabidopsis Thaliana

Dr. Lopez-Molina is trained as a physicist and a molecular biologist. Dr. Lopez-Molina uses the model plant Arabidopsis thaliana to study seed germination. Germination is a fragile and dramatic phase in the life cycle of any plant. It is fragile, because the protective state of a dry seed is abandoned and it is dramatic because, in just a few days, embryonic tissue is left behind in favor of vegetative tissue. This implies a complete change in gene expression programs and the molecular mechanisms involved are poorly understood. Dr. Lopez-Molina focuses on understanding this transition by studying the molecular genetics of abscisic acid (ABA) signaling. ABA signals osmotic stress in plants but also plays a major role during seed maturation. During germination, a sudden osmotic stress triggers an ABA-dependent sustained growth arrest and recruits de novo embryogenesis pathways that were repressed as a consequence of germination. The arrested embryos are osmotolerant and growth resumes upon stress removal. Essential questions to be addressed include: 1) How does ABI5 trigger the cell cycle arrest? 2) How is ABI5 activated by ABA as a growth repressor? 3) How is ABI5 expression regulated during germination? 4) How do gibberellic acid (GA) and ABA pathways interact during the "twilight zone" germination period? Dr. Lopez-Molina uses a combination of genetic and molecular biology approaches to address these questions. The laboratory is presently benefiting from a grant from the US Department of Agriculture (USDA) for $150,000.

**Eleanor Lundeen**
Associate Professor
**Keville Fredrickson**
Professor

**Lehman College, Department of Nursing**

**The Hispanic Serving Institution Assisting Communities Project**

Professors Eleanor Lundeen and Keville Frederickson of the Lehman College Department of Nursing have received funding for a project entitled, Hispanic Serving Institutions Assisting Communities 2003–2006, from the HUD Office of University Partnerships. This is their second grant in this area. Their first grant of $210,000 funded a project that focused on approaches to stabilizing the communities surrounding Lehman College. This project resulted in the formation of two merchant associations, establishment of a youth worker training program, and implementation of a community heritage program for elementary school children. This new grant for $600,000 over the next three years will extend their previous two years of work in the Bronx community. Working in partnership with The Bronx Overall Development Corporation, the Mosholu Preservation Corporation, the Mosholu Montefiore Community Center, and the City College Architecture Center, these co-investigators are seeking to improve the quality of life in the north central Bronx through economic and workforce development. The grant will prepare merchant associations to apply for New York City Business Improvement Status, create a Geographic Information System (GIS) resource for real estate development, expand job training for out of school, out of work youth, and conduct research on their implementation of a program to reduce risk behaviors among youth in the community. The grant includes both intervention and research components.

**Hernan Makse**
Assistant Professor

**The City College, Physics**

**Granular Materials, Complex Fluids and Out-of-Equilibrium Phenomena**

The Granular Materials Laboratory of Professor Hernan Makse is devoted to the study of a variety of out of equilibrium systems in terms of their behavior as they experience structural arrest or jamming. The team studies the thermodynamics of jammed matter, spanning from colloidal suspensions, dense emulsions to granular materials in search of a unifying theoretical framework. The research projects involve dynamical experiments, analytical and numerical studies on all the above-mentioned systems with a variety of ready-for-use equipment, such as confocal microscopy, magnetomanipulation, granular rheology under slow shear and parallel computers. The group has a strong focus on the theoretical and computational approaches in parallel with the experiments. An NSF CAREER AWARD from the NSF funds Professor Makse $400,000 from May 2003 through April 2008 for work on Statistical Mechanics of Particulate Systems far from Equilibrium. He also has a $255,000 grant from the Chemical Sciences, Geosciences and Biosciences Division, Office of Basic Energy Sciences, Office of Science, U.S. Department of Energy for work on Stress-dependent acoustic propagation and dissipation in granular materials. In addition he has a grant from the DOE Office of Basic Energy Sciences, Division of Materials Sciences and Engineering for experimental and computational study of jammed disordered systems: nonequilibrium thermodynamics of densely packed granular matter and compressed emulsions for $310,000.

**Herminio Martinez**
Professor

**Lehman College, Middle and High School Education**

**Bilingual Education: Projects Intel and Stellar**

Dr. Martinez's work addresses the educational needs of the growing multicultural population and the increasing numbers of English Language Learners within the public school system. As the Executive Director of the Bronx Institute, Dr. Martinez received over $3 million in funding to train and retain teachers to serve students and their families, to recruit new teachers, and to attract more people from underrepresented groups to the teaching profession. Two grants from the U.S. Department of Education totaling $2 million were used to establish the Intel and Stellar programs designed to enhance the skills and knowledge of middle and high school teachers. Drawn from a variety of disciplines, these teachers acquire an understanding of linguistic development and language acquisition as well as historical knowledge and cultural competence regarding the many different groups entering their schools. Given insight into best practices, they develop pedagogical strategies that make them more effective teachers in multicultural classrooms. These teachers—some 240 of them altogether—may also apply their accumulated credits to Master's Degree programs in the Teaching of English as a Second Language. Another grant of $75,000 from the Lumina Foundation for Education provided strategic support for creating career pathways within the teaching profession. The primary focus was to research and disseminate findings on the obstacles and challenges facing educational assistants working in the Bronx Public Schools in fulfilling the requirements of the No Child Left Behind Act.

Beginning in 2003, Dr. Martinez was also awarded a major grant from the New York State Education Department, establishing Lehman College as the site for one of only four statewide networks designed to support administrators and teachers of English Language Learners, students, and their families. Under the auspices of the Bilingual Education Technical Assistance Center, or BETAC, the Bronx Institute provides staff development and parent training for the Bronx, Manhattan, Westchester and Rockland counties, and the cities of Buffalo and Syracuse. In addition, Dr. Martinez oversees three major programs that provide for long-term direct services, including cultural enrichment, computer purchases and training, and adult mentoring, to students now in high school and local postsecondary institutions. With $7.8 million from the U.S. Department of Education, and $1.6 million from the Kellogg Foundation, the Gear-Up and Enlacé programs enabled Lehman College over a four-year period to develop educational corridors linking middle schools, high schools, and two- and four-year colleges in the Bronx, and to serve some 10,000 students and their families. Yet another grant of $844,000 from the National Science Foundation for a Parent Academy in Math, Science, and Technology helps close the digital divide and insures that 360 families over a five-year period are able to acquire computer skills (along with college credit) as well as knowledge of internet resources to support student achievement in math and science.

As Director of the Bronx Institute, Professor Martinez currently oversees projects that in 2003 received close to $3,000,000 in external funding from multiple sources, including the U.S. Department of Education, the National Science Foundation, the New York State Department of Education and the W.K. Kellogg Foundation.

**Lynn McCormick**
Assistant Professor

**Hunter College, Department of Urban Affairs and Planning**

## American Business Associations and Their Workforce Development Initiatives

Dr. Lynn McCormick, of Hunter College's Department of Urban Affairs and Planning, has been studying the workforce development initiatives of American business associations. Joining her on this project are colleagues Dr. Joshua Hawley at the Ohio State University and Dr. Edwin Melendez at the New School University. Conventional wisdom holds that American business associations are relatively uninvolved in public policymaking efforts such as labor market needs and workforce development.

Of the recent research that has been done on labor market intermediaries as a whole, relatively little scholarly attention has been given to American business associations. Dr. McCormick and her colleagues are undertaking a national telephone survey of about 700 randomly-selected such organizations to test this hypothesis. Changes in the global economy and the structure of domestic labor markets make this study especially timely. Attention to labor market intermediaries has become increasingly critical, given how labor market institutions have been restructuring themselves. Given heightened international competition, domestic firms and whole industries are downsizing and outsourcing their production and service activities to obtain greater flexibility. The two-year study, "What Explains Their Involvement? American Business Associations and Their Workforce Development Initiatives," has been funded at approximately $150,000 through the "Future of Work Program," which is jointly supported by the Russell Sage and Rockefeller Foundations.

**Mary Anne Meyer**
Director

**Queensborough Community College, Tech Prep/Academic Affairs**

## Tech-Prep Consortium of Queens

The Tech-Prep Consortium of Queens, operating on grant funds ($200,000 annually) from the New York State Education Department is a "two + two" educational program designed to emphasize workplace skills and applied academics. Students are recruited during the 10th grade (some programs commence in the ninth) and begin the program during the fall semester of the 11th grade. Tech-Prep gives its students a rigorous, seamless academic program in a particular course of study infused with workplace skills and offering special support services. Students can earn six college credits while in high school. The program serves as a transition period, bridging the gap between secondary and postsecondary education with participants earning an associate degree or certificate in their area of study at the end of their four years in Tech-Prep. The Tech-Prep Consortium of Queens is a true partnership encompassing expertise from both secondary and postsecondary faculty members, administration, and local businesses and industry. The program now includes 10 high schools and enrolls approximately 1,000 students per year. Consortium members include: Arts and Business High School, Beach Channel High School, Campus Magnet High School, Far Rockaway High School, Flushing High School, Hillcrest High School, Martin Van Buren High School, Mineola High School, Newtown High School, Springfield Gardens High School, and the New York City Department of Education regional superintendents in Regions 3, 4, and 5, in addition to Queensborough Community College.

**Eleanor Miele**
Assistant Professor
**Brooklyn College School of Education**

## Recruiting and Retaining Teachers of Science

This research focuses on the recruitment and retention of science teachers in grades K–9. Teachers of science are in short supply and student achievement in science is a subject of national concern. Because most scientists become interested in science as children, improvement of science education must begin in the primary grades. Dr. Miele's research asks three questions. How can we improve elementary school teachers' attitudes toward science? What is the value of collaboration with non-formal community based science-rich institutions in teacher preparation? How can we recruit and retain science teachers?

Professor Miele's research includes assessments of overall changes in student attitudes toward science using pre-assessments and post-assessments and indicates the importance of responding to student interests and providing opportunity for individualized assignments. Recruitment of science and education majors to the specialization of science teaching is a focus of the Crossing Boundaries Program in collaboration with Kingsborough Community College. Through an NSF-funded Advanced Technology Education grant ($20,000), Professor Miele has worked with colleagues in education and the sciences at Kingsborough Community College to design and implement an improved technologically-enhanced science education curriculum that provides advanced transfer credit to students who transfer to Brooklyn College and pursue science teaching as a major.

Through a New York State Education Department grant ($84,000), Professor Miele has explored partnering with non-formal science institutions to prepare teachers of science. Partners in this have included the American Museum of Natural History, the Wildlife Conservation Society, and the Brooklyn Children's Museum. Research has focused on identifying the changed attitudes and practices of teachers prepared in part at non-formal educational organizations as well as identifying the barriers to use of community-based non-formal educational sites in formal education from kindergarten through graduate school. This work continues through an NSF-funded Teacher Enhancement grant with the American Museum of Natural History and Lehman College.

**Louise Mirrer**
Executive Vice Chancellor for Academic Affairs
**University Management, Office of Academic Affairs**

## The Honors College: University Scholars Program

The Honors College: University Scholars Program is designed to support students in an intensive undergraduate experience shaped by the combined resources of the City University and New York City. Special features include faculty designed interdisciplinary seminars, a "Cultural Passport," that offers free or discounted access to the cultural wealth of New York City and mentoring, internship and study abroad opportunities. The Honors College provides a four year financial aid package including tuition and fees; an Academic Expense Account of $7,500 over four years to be used for academically enriching experiences; and a free laptop computer.

The Honors College was launched in September 2001 and is now sited at seven senior colleges: Baruch, Brooklyn, City, Hunter, Lehman, Queens and the College of Staten Island. The competitive admission criteria include: standardized scores, high school GPA, the record of academic coursework, an essay and recommendations. Combined SAT scores of accepted applicants for the Fall 2003 class averaged 1350, more than 300 points above the national average. The cumulative academic average for students entering in Fall 2003 was 93.5. In just three years the number of applicants has more than doubled. When the program is fully enrolled, in 2004-2005, it will include about 1200 students. These students reflect the City's wide diversity and are as gifted and ambitious as any in CUNY's history. Of the current freshmen, half speak a language other than English at home and although most now make New York City their home, they hail originally from 28 countries. New components of the Honors College introduced in 2002–2003 included: honors study abroad programs in Galapagos and Barbados, the inauguration of the Goldsmith Scholarship program for prestigious post-baccalaureate fellowships and graduate school, and community wide community service activities.

New funding partners included: The William R. Kenan, Jr. Charitable Trust ($2,500,000), The Roger & Susan Hertog Charitable Fund ($1,000,000), The May and Samuel Rudin Family Foundation ($1,000,000), the Peter Jay Sharp Foundation ($100,000), UBS Financial Services ($100,000), The New York Community Trust ($50,000), and the Josh and Judy Weston Foundation ($10,000). The Starr Foundation and the McGraw Hill Companies renewed their support at levels of $500,000 and $45,000 respectively.

**Louise Mirrer**
Executive Vice Chancellor
for Academic Affairs

**University Management,
Office of
Academic Affairs**

## The CUNY Economic Development Corporation

The CUNY Economic Development Corporation (EDC) is a nonprofit, special purpose entity of CUNY, currently focused on two major initiatives, the CUNY Business Incubator Network (BIN) and ReSTART Central.

The BIN, which is developing business incubator facilities on three CUNY campuses, is designed to provide space and intensive technical and business support services to accelerate the growth of emerging companies. Qualified, community based entrepreneurs will have access to many services, including: space and equipment, management and technical assistance, training and workshops, office services, financing resources, marketing and sales, human resources, and professional development. The goal is to assist in the launching of new enterprises that can bring 21st century jobs and private capital into New York City's lowest income communities and create hundreds of new jobs in those neighborhoods. LaGuardia Community College has already launched the first phase of its incubator, and Hostos and Borough of Manhattan Community Colleges will follow shortly. In addition to serving the community at large, these initiatives will benefit CUNY and its colleges by generating consulting and research opportunities for CUNY faculty, creating internships and expanded employment opportunities for CUNY students and graduates, and, in the long term, developing new sources of revenue to augment CUNY programs. This year, the New York State Assembly committed $7.5 million to support this endeavor. CUNY EDC also received $200,000 (the second installment of a $400,000 grant) from the Alfred P. Sloan Foundation to support the administration of the EDC.

The CUNY EDC also oversees ReSTART Central. Founded in September 2001, it continues to help small businesses in Lower Manhattan still recovering from the devastating events of September 11, 2001. ReSTART Central has played a critical role in this recovery by providing small businesses with personalized, pro bono consulting services and access to free or discounted resources. In the months following September 11th, clients' needs tended to be of an emergency nature: relocating temporarily or permanently; replacing computers, office furniture and other destroyed equipment; and taking steps to resume operations. Today, the most urgent needs among ReSTART's clients are to replace lost revenue and/or customers and to manage their precarious financial situations. This year ReSTART Central received grants of $150,000 from the September 11th Fund and $25,000 from American Express.

**Louise Mirrer**
Executive Vice Chancellor
for Academic Affairs
**Mahlet Tsegaye**
Coordinator for
International Programs

**University Management,
Office of
Academic Affairs**

## Study/Travel Opportunities for CUNY Students (STOCS)

The Study/ Travel Opportunities for CUNY Students (STOCS) project is a scholarship program designed to encourage and support the participation of CUNY undergraduate students in study abroad programs. STOCS was established in September 1994 through funds provided by the Wallace Foundation /Youth Travel Enrichment Fund, with the goal of increasing and diversifying the number of CUNY students participating in study abroad programs.

An award committee consisting of faculty and financial aid directors, drawn from both community and senior colleges, selects STOCS recipients. To date, over 1000 students have received grants ranging from $500 to $1500 to use toward the cost of participating in CUNY study abroad programs. The size of an award is determined on the basis of ability and need; students with family incomes of more than $65,000 are not eligible. STOCS has enabled many CUNY students to participate in a rich educational experience they might not otherwise have been able to afford. More than 83% of Summer 2003 STOCS recipients reported family incomes under $25,000. More than 63% of this same cohort came from minority backgrounds. Many students have indicated that their experience abroad changed their lives. The STOCS project has also been a catalyst for the growth and development of international education at CUNY. Since its inception, several colleges have strengthened their existing study abroad programs and many have developed new programs in different disciplines and areas. In the Summer of 2003, through STOCS, 73 CUNY undergraduate students participated in 18 study abroad programs spanning the globe from Denmark to Rwanda, from Mexico to Italy. The Wallace Foundation has provided funding for this project for the last ten years and the number of participants has grown steadily over this time. In 2002/2003 the Foundation provided $130,000 in support of the STOCS project.

**Louise Mirrer**
Executive Vice Chancellor
for Academic Affairs
**Nicholas Michelli**
University Dean for
Teacher Education

**University Management,
Office of
Academic Affairs**

**Teaching Opportunity
Program**

The Teaching Opportunity Program (TOP), a collaboration between The City University of New York and the New York City Department of Education, which began in 1999, continues to flourish. The goal of the program is to attract talented college graduates and career changers with backgrounds and credentials in the critical areas of math, science, and Spanish to careers in education. TOP Scholars are selected by means of a rigorous application and interview process that requires candidates to have completed their bachelor's degrees with a minimum grade point average of 3.0 in their majors. TOP provides an intensive summer preparation program (including a stipend), mentoring, placement in teaching positions in New York City public middle and high schools and substantial scholarships toward a master's degree in education. TOP Scholars commit to teaching in New York City for two years following completion of their master's degrees. More than 450 students have participated in the Teaching Opportunity Program. One hundred forty of them have graduated. TOP Scholars are teaching in middle and high schools throughout the five boroughs of New York City. For the past two years, the program has included a component to train literacy teachers, another shortage area for the New York City public schools. In 2003 TOP was reconfigured to accord with new certification requirements; candidates are now eligible for alternative certification as teachers and receive supervision in their classrooms from CUNY faculty. TOP is supported by both public and private funds. Recent grants have come from the Bernard F. and Alva B. Gimbel Foundation ($50,000), the Jewish Foundation for Education of Women ($51,000), the J.P. Morgan Chase Foundation ($75,000) and the New York State Department of Education ($252,610 a year for five years).

**Delores Mitchell**
Director

**Medgar Evers College,
Continuing Education**

**English Literacy/Civic
Education**

During 2002–2003, Medgar Evers College was able to serve 527 students within the EL/Civic program. The target population consisted of economically and educationally disadvantaged students who seek to enhance their ability to gain employment, upgrade employment or acquire educational skills through educational and occupational services. The program attracts students by disseminating flyers and brochures, written in English and some in foreign languages such as Spanish and French to community-based organizations, churches, schools, and tenant associations. In addition to the multifaceted classroom techniques, students are exposed to class trips that reinforce and enhance their learning. Part of the program's continued success is attributed to the partnership formed with Chinatown Man Power (CMP). CMP is located in the Sunset Park section of Brooklyn where the majority of Asian participants were recruited. Both sites serve to help non-English speaking individuals improve their proficiency in English so that they can move toward their goals of entering a vocational training program, achieving a GED, full-time employment, passing the naturalization process or becoming better parents and more productive citizens. Many of the students, while developing English comprehensive skills, have entered Medgar Evers College as full time students and still continue within the ESL program. Others have entered the Adult Literacy Program (GED). The funding source for this grant-funded program is New York State Education Department and is in the amount of $299,922 for the current fiscal year.

**Anne G. Morris**
Director

**Baruch College, Center for Logistics Transportation**

## Urban Goods Movement Study

The Urban Goods Movement Study was designed to identify significant barriers to efficient goods movement that contribute to increased costs and time in delivery in Manhattan's Central Business District (CBD). The study was funded by the Federal Highway Administration, USDOT, which allocated $300,000 to New York State's DOT via the New York Metropolitan Transportation Council. While the operation and management of the goods movement industry are private, competitive and well established, there are opportunities for changes in the operational and institutional aspects of goods movement that have the potential to provide near-term as well as continuing benefits. The study was designed to uncover these opportunities and to provide a tool for assessing alternative methods of exploiting them. Phase One of the study focused on data collection. Focus groups were conducted with senior executives of companies that moved product into Manhattan's CBD to identify barriers to freight mobility. These were followed up by surveys/interviews with logistics and transportation managers regarding barriers confronted in the last link of the supply chain. Both sets of data revealed that in addition to street congestion and typical urban barriers such as parades, the off-loading facilities in commercial properties were a significant bottleneck impeding efficient freight transportation. In Phase Two potential operational changes in the supply-side of the movement of goods into Manhattan's CBD were identified and documented. Data on the current state of freight receiving facilities in commercial buildings was obtained in the form of questionnaires administered to property managers. This was reinforced with time and motion studies of deliveries at six buildings. Based on this data a goods movement demand model was developed that will will be used to predict freight movement into and through the metropolitan area.

**Joyce O. Moy**
Director

**LaGuardia Community College, Division of Adult & Continuing Education**

## Small Business Development Center

The LaGuardia Small Business Development Center is funded through an annual grant of $250,000 from the New York State Small Business Development Center Program and the U.S. Small Business Administration. The mission of the Center is to provide technical assistance to entrepreneurs, from start-up to well-established businesses in business planning, marketing, identifying and obtaining finance and access to other private and public resources. Since opening its doors in October 2001, the Center has served over 1,000 clients, saved or created over 500 jobs and had an economic impact in Queens County and citywide of over $12,000,000. While the Center was originally established in response to 9/11, its focus has evolved to the core activities of one-on-one business counseling, and community outreach and education on entrepreneurship with a special focus on under-served communities. The Center offers services in English, Spanish, Korean and three dialects of Chinese. The Center works closely with faculty and students at LaGuardia Community College, collaborating on issues such as educating communities on compliance with environmental laws, cooperative education internships, providing speakers for academic business and managerial classes, entrepreneurial classes for ESL, and students in food services. It has partnered with community and business groups such as the Hispanic Chamber of Commerce, Asian Women in Business, Queens Chamber of Commerce, Empire State Development Corp., Queenborough Public Library, and others to provide classes on: Starting a Business, Marketing, Business Organizations, Finance and Credit, and Insurance. Through its activities, the Center will continue to play a role in the significant economic development impact of LaGuardia Community College in Queens and the surrounding areas.

**Jacqueline Myrie**
Assistant Professor

**Borough Manhattan Community College, Nursing**

**Nursing Workforce**

Professor Jacqueline Myrie manages a $780,000 grant from the U.S. Department of Health and Human Services under a nursing workforce diversity initiative. The three-year grant allows BMCC to recruit prospective nursing students from disadvantaged backgrounds and to offer them scholarships and a wide range of support services. The goal of the grant-funded program is to increase the number of skilled nurses in the region, particularly in disadvantaged neighborhoods that sorely lack trained health-care workers. Professor Myrie has created a number of initiatives to increase the pool of skilled nurses in the region, especially those from disadvantaged backgrounds. She coordinated a nursing camp in the summer of 2003 for high school students who were either going into twelfth grade or had just graduated from high school and had expressed an interest in a nursing career. The nursing camp introduced them to the real world of nursing with daily sessions in health care facilities as well as classroom instruction. Of the 31 students who participated, 10 enrolled in BMCC in the fall as pre-clinical nursing majors. Others are still in high school or attending other colleges. In addition, Professor Myrie is coordinating a retention program for nursing students at BMCC. The objective is to provide comprehensive support services for the students that are currently taking clinical nursing courses. Its focus is to increase the rate of success towards graduation. The program also offers academic enrichment activities throughout the year, including tutoring, and academic advisement. Pre-clinical nursing students recruited into the program participate in a summer immersion program (developmental skills, science, and math workshops) to facilitate their transition into clinical nursing courses. BMCC will also use the grant to provide financial support in the form of a stipend, to at least 40 nursing students each year.

**Godfrey I. Nwoke**
Associate Professor

**New York City College of Technology, Career and Technology Teacher Education**

**Substitute Vocational Assistant Program**
**Teacher Opportunity Corps Program**
**New York State Curriculum for Advanced Technological Education**

For the past seven years, New York City College of Technology has been in the forefront of assisting the New York City Department of Education in its efforts to address the increasing shortage of certified teachers of Career and Technical Education (CTE) subjects and technology education. The College's Department of Career and Technology Teacher Education offers the only two baccalaureate degree programs within CUNY for preparing high school CTE and PreK-12 technology education teachers.

Dr. Godfrey Nwoke has provided the leadership and direction for the teacher education programs aimed at the recruitment, preparation, and professional development of technology education and CTE teachers. Prominent among these projects is the Substitute Vocational Assistant (SVA) Program, which is a joint project of the New York City Department of Education, The City University of New York, and the United Federation of Teachers. The SVA program recruits outstanding NYC high school graduates and, over a five-year period, provides them with college-level coursework, high school class-room internships, and industrial work experience required for New York State provisional/initial teaching certificate. Program graduates are contractually obligated to teach in New York City public schools for at least three years immediately following graduation. Since New York City College of Technology became the CUNY college partner for the SVA program in 1996, Dr. Nwoke has received a total of $325,545 toward tuition and fees for program participants.

The Teacher Opportunity Corps (TOC) program is a New York State-funded grant program designed to enhance the preparation of Career and Technical Education (CTE) and technology education preservice teachers in addressing the learning needs of K-12 students who are at risk of academic failure. One of the goals of the program is to increase the participation rate of historically underrepresented and economically disadvantaged populations in teaching careers. Dr. Nwoke has received a total of $249,132 for the project since the initial grant was received in 1999.

In addition, Dr. Nwoke collaborated with Hofstra University for the New York State Curriculum for Advanced Technological Education (NYSCATE) project. Funded by the National Science Foundation (NSF), the NYSCATE project was designed to support the development, field testing, and dissemination of 14 articulated curriculum modules (grades 9–14) in three overarching areas of technology, namely, Physical Technology (Materials and Manufacturing), Bio/Chemical Technology, and Information Technology (IT). Dr. Nwoke received a total of $158,433 over the three-year period of the grant from 2000 to 2003.

**Ruth O'Brien**
Professor

**Graduate School, Political Science**

## The Rise to Globalism: Ideas, Institutions, and American Political Development

In 2003, the Graduate Center at The City University of New York ran the first six-week Fulbright Summer Institute on American Political Development (APD) under the theme of "The Rise to Globalism." The State Department sponsored nine summer institutes on topics such as religion, literature, and American civilization. This APD Institute was only one of two institutes directed by political scientists. Framing the development of national institutions in light of America's "rise to globalism" made this summer's institute particularly topical. The theme chosen was "America as Empire" for two reasons: one pedagogical, the other methodological. Knowing that the audience would be primarily international scholars, it was decided to break new ground instead of using the traditional framing devices of APD scholars —the rise and fall of domestic political regimes such as Jacksonian democracy, the Radical Republican era, and the New Deal. These scholars brought knowledge and experience from their own countries that provoked lively discussions about APD because the syllabus was framed from an international perspective. Having eighteen scholars from eighteen different countries also added an exciting dimension to the discussion about APD and the United States' influence upon other nation-states. The U.S. Department of State, Bureau of Educational and Cultural Affairs has funded this work with $210,091.

**Leslee Oppenheim**
Director of Curriculum and Instruction

**University Management, Office of Academic Affairs**

## CUNY Adult Literacy/GED Program Twentieth Anniversary

Since 1984, through funding from the New York State Education Department and the City of New York, CUNY has provided literacy, English as a Second Language (ESL) and GED instruction to tens of thousands of New York City adults. The Program currently enrolls almost 10,000 students a year on thirteen campuses of the University. Campus programs are available in all five boroughs and serve a segment of the City's adult population that is most in need of basic educational services. It is funded at $3,025,000 by the City of New York and $4,268,908 by the State Education Department.

The program provides a comprehensive range of literacy-related education that at one end of the continuum enables beginning readers, writers and English language learners to achieve greater proficiency, and at the other end, enables more advanced learners to prepare for high school credentialing and further education and training. At every instructional level, students are provided with opportunities to utilize their learning for the achievement of goals beyond the classroom—new job opportunities, new forms of involvement in the education of their children and greater participation in the affairs of their communities. The students' language and literacy learning needs form the basis of the curricula and instructional programs that are offered. In addition to classes in literacy, ESL and GED preparation, depending on the campus, instruction is offered in mathematics and a variety of special-topics courses and workshops in such areas as health, family literacy and work preparation. At all campus programs, classroom instruction is supplemented with course-related field trips and technology-based learning opportunities. Students who are served in the program often have significant learning needs that cannot be addressed by "quick fixes." Nevertheless, it is not uncommon for a student to enter one of the campus programs reading at a very low level and show a multi-grade increase in reading and writing skills over time. There have also been instances where such students emerge with a GED diploma and go on to enroll in CUNY as matriculated college students. The program has been fortunate to have an expert group of literacy professionals as campus program directors and teachers, who are supported by a central team of talented curriculum and staff development specialists. All are committed to the ongoing examination of the program and consider the work done on behalf of a deserving population of adult learners to be very important.

**Gerald M. Oppenheimer**
Professor

**Brooklyn College, Health and Nutrition Sciences**

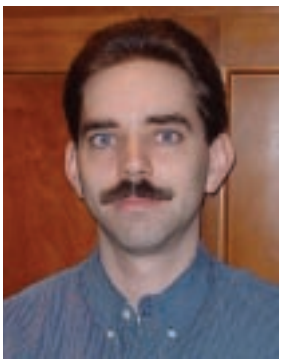
## Heart Disease and the Emergence of Modern Epidemiology

Epidemiology is currently the science of public health and the major intellectual system, along with economics, for studying, justifying and developing public health policy. Despite its deep influence on medicine, science, and American culture over the past 40 years, there is presently no systematic history of epidemiology in the U.S., particularly for the second half of the 20th century. The objective of Professor Oppenheimer is to write a social and intellectual history of the origins, development, and impact of one of the most important areas of epidemiology during the last century, that of coronary heart disease (CHD). The work will begin early in the 20th century, when mortality from heart disease and cancer surpassed deaths from communicable disorders. With this introductory period (1900–1945) as prologue, the study will then focus on the emergence, after World War II, of an epidemiology capable of defining, modeling, and quantifying chronic (heart) disease and of proposing clinical interventions. That history will continue into the 1960s, when epidemiology began to emerge from relative obscurity to become a recognized science and a party to health policy decision-making; then to the 1970s when epidemiology, with a body of knowledge, training programs, textbooks and journals, became a fully formed discipline at the core of public health. It will end in the 1990s, when the successful paradigm developed in the decades after World War II—the multiple risk factor, individual-level analysis closely associated with coronary heart disease epidemiology—was severely questioned by experts both within and outside the field. Data for this project will come from archival sources, the medical and epidemiological literature, taped interviews, and publications in the history of medicine, public health, statistics and insurance. This research is funded by the National Institutes of Health under its National Library of Medicine Publication Grant Program. The NIH has awarded the sum of $150,520 over a period of two years.

**Benjamin Ortiz**
Assistant Professor

**Hunter College, Biological Sciences**

## DNA Elements Involved in Chromatin Based Gene Regulations



That the many different cell-types of the body are all derived from divisions of a single fertilized egg is well described but poorly explained. This remarkable transformation is thought to be the result of differential regulation of the activity of genes constituting an individual's genome. The result is that each cell-type "expresses" its own array of genes required for their particular function in the body. Decoding the "rules" that govern when and where a given gene will be activated or silenced is key to understanding the basis for organismal development. Linked, non-coding DNA sequences are known to play a leading role in gene regulation. Innumerable sequences capable of regulating gene expression have been identified. However, the vast majority of such sequences do not function well in the natural "packaging environment" (called chromatin) in which genes normally reside. More recently appreciated is the emerging role of the regulation of "chromatin states" in determining gene expression status. However, the connection between regulatory DNA sequences and the alteration of chromatin states is still unclear. The Ortiz lab has developed methods to investigate this question that both yield important data and are accessible to the skills of beginning researchers. Using these innovative and highly integrated research and educational approaches in this project, Dr. Ortiz and his students will be investigating novel DNA sequences they have identified that appear to regulate gene expression via the alteration of chromatin structure. This work will help bridge the gap in our knowledge of gene regulation in chromatin and will help bring the field closer to a more complete understanding of the development of complex organisms, such as ourselves.

The National Science Foundation awarded this project a "CAREER" grant totaling $602,319 over five years. The CAREER program offers the National Science Foundation's most prestigious awards for new faculty. It recognizes and supports the early career-development activities of those teacher-scholars who are most likely to become the academic leaders of the 21st century.

**Robert Paaswell**
Distinguished Professor

**The City College, Civil Engineering**

**University Transportation Research Center**

The University Transportation Research Center addresses surface transportation operations, management, design economics and planning. The University Transportation Research Center is one of ten original National Centers, established in 1987, in recognition that transportation plays a key role in the nation's economy and in the quality of people's lives. During the fiscal year ending in 2003, the University Transportation Research Center received (federal and state) funds totaling $3,757,751. UTRC is directed by Dr. Robert E. Paaswell, a Distinguished Professor of Civil Engineering. Located at CCNY, The Center is a consortium of 12 major academic institutions in New York, New Jersey and Puerto Rico. Through the grants supporting the Center, the mission incorporates research, education and the transfer of technology in the field of transportation. Academically based, the work of faculty and students (graduate and undergraduate) provide a critical link in resolving our national and regional transportation problems while training the future and current professionals who address our transportation system and their customers on a daily basis. The Center brings the expertise of professors, engineers, scholars and students together to conduct significant research for the advancement and improvement in regional transportation. The recent completion of both the "New Jersey's Link to the 21st Century" and the "New York in the New World Economy" projects emphasize the important stature of the center for multi-disciplinary regional planning and involvement of researchers and students. Both studies involved more than 25 professors, engineers and students from the CUNY consortium of institutions and the center consortium of regional Universities. Currently UTRC is working on projects addressing such diverse issues as bridge structural safety, rationalization of commuter bus routes, infrastructure investment analysis, human resource issues, and the psychology of traveler decision making.

**Brian Peterson**
Executive Director of CUNY/FIA Professional Training Academy

**University Management, Office of Academic Affairs**

**CUNY 3-1-1 Project**

The CUNY 3-1-1 Project supports New York City's 3-1-1 Citizen Service Center, a state-of-the-art call center that provides callers with one point of contact to obtain information on all available non-emergency City services. The Project, funded through an agreement with New York City's Department of Information Technology and Telecommunications, provides eligible CUNY students the opportunity to work part-time as Call Center Representatives (CCRs) at 3-1-1. CUNY students work shifts that accommodate their class schedules, including nights, overnights, and weekends and thus help meet the needs of 3-1-1's 24 hour per day operation.

The Project recruits students who are in good standing in a degree granting undergraduate or graduate program. Selected students attend paid training provided by Project Staff after which they work 17 hours per week, with the opportunity to work additional hours during school breaks and holidays. In addition to recruitment and training, Project Staff are responsible for monitoring the Student CCRs, ensuring students' compliance with policies and procedures, timekeeping and payroll processing and providing general support. As working at 3-1-1 is for many students their first job in a professional office environment, Project Staff assist students through coaching, mentoring and when necessary providing referrals to campus based support services. Further assistance is also provided through the Project to support the administration and operation of 3-1-1 in the following areas: quality assurance, reporting and analytics, training development and delivery, business process analysis, workforce management and administrative assistance. The first cohort of students was hired in March 2003. The Project is funded through 2005. Current year funding is $3,507,045 and will support the placement of up to 400 student CCRs.

**Simon Parsons**
Associate Professor

**Brooklyn College, Department of Computer and Information Science**

**Rational Software: Autonomous Agents and Multiagent Systems**

The current trend in computer hardware is integration into consumer electronics. Many of us now carry cellular phones, and increasingly these do more than allow us to make calls. They allow us to send email, take photographs and are often combined with our personal organizer. These personal digital assistants (PDAs) are rapidly approaching the capabilities of laptop computers from five or six years ago. This trend seems set to continue. As the hardware in personal devices becomes more powerful, it becomes possible to write more complex software for them, and this software has great potential. Wouldn't it be great if your PDA could schedule meetings for you and organize grocery deliveries while you go about your daily work? Much of the technology required to provide such capabilities already exist, but there are some crucial parts missing. These parts relate to providing intelligent, self-contained software components —"agents" in the usual terminology—to run on the PDAs of the future. For example, there is a need to provide the software agents with the ability to make good (rational) decisions. After all, there is no point having groceries ordered for delivery at an inconvenient hour, or meetings scheduled when you are out of town or on vacation. Professor Parson's research is funded by the National Science Foundation ($250,000) and the HP-MIT Alliance ($24,228).

**Dion Pincus**
Director

**Queensborough Community College, Instructional Support Services**

**Bridges to Retention (B2R)**

Bridges To Retention (B2R), a Perkins-funded learning model developed by Instructional Support Services (ISS) at Queensborough Community College, offers one solution to the common retention problem of academic underpreparedness among career and vocational students, especially freshmen enrolled in "high-risk, high-attrition" gatekeeper courses. The program has received $160,000 via Perkins III, the Carl D. Perkins Vocational and Technical Education Act.

Students are often eager and willing, but are too often underprepared or have inadequate prerequisite skill sets for their courses, unable to easily perform essential operations and tasks since they haven't developed the skills necessary for addressing the course content. Working together with faculty, tutors and students, ISS has implemented a strategy to address retention in career and vocational curricula by focusing on the acquisition of skills sets assumed to be in place prior to students' first day's attendance: critical thinking, note taking, textbook comprehension, and study strategies; and more course-specific skills, such as performing conversions, interpreting data, reading graphs, vocabulary building, measuring accurately, and understanding the lab experience. B2R is a series of discovery learning-based workshops designed to address these fundamental concepts and skills, thus permitting students to begin their class work at their instructors' starting point. Students discover principles of learning by themselves, through "discovery learning" activities and exercises, as well as critical thinking strategies and problem solving techniques that are threaded through all workshops and learning materials. Students (as learners) select and transform information, construct hypotheses and make decisions, relying on cognitive structures, thus practicing valuable workplace skills. ISS has already developed and implemented B2R workshops for three critical career and vocational subject areas: Pre-Science (generic), Pre-Nursing 102, and Pre-Psychology. The program is currently developing additional workshops in Pre-Accounting 1, Pre-Biology, Pre-Physics, Pre-Engineering, and Basic Study Skills (generic).

**Jürgen E.W. Polle**
Assistant Professor

**Brooklyn College, Biology**

**Biotechnology of Marine Algae**

According to Professor Polle, there is very little that algae can't do. Research on the one-cell organisms that thrive on sunlight and a few nutrients has demonstrated their use in cleaning up toxic spills, removing heavy metals from the environment, and producing large quantities of pigments, protein, enzymes, sugars, fats, amino acids, vitamins, and health food. Microalgae technologies that may produce renewable fuels and also absorb greenhouse gases are being developed in the U.S. and abroad. Currently, large culture systems of microalgae have two major limitations: low solar energy conversion into biomass and inhibition of photosynthesis. Dr. Polle's research focuses on improving the strain of the marine algae tetraselmis to demonstrate that algae selected for cultivation on the basis of their low chlorophyll content (due to small, light harvesting assemblies) will be able to overcome the damaging effects of light saturation, which causes loss of absorbed light energy, resulting in lower solar energy conversion into biomass. In addition, these improved strains would not be prone to photoinhibition limitations in algal mass cultures. To this end, Dr. Polle has established the Laboratory for Experimental and Applied Phycology and has started mutagenesis and screening of algae for low chrorophyll content. This research is funded by a $194,409 contract with Sea Ag Inc.

**Federica Raia**
Assistant Professor

**The City College, Earth and Atmospheric Sciences**

**Research Career in Vulcanology Evolving into a Science Education Perspective**

Professor Raia has developed a strong interest in science education pursuing innovative perspectives combining geosciences and science pedagogy. During the first three years of her work at City College, Professor Raia directed her efforts at improving the comprehensive preparation of middle school science teachers, developing specific programs aimed at integrating content and pedagogy, focusing on inquiry-based science education, and spearheading the development of specific courses aimed at the middle school science teacher population. In this context, Professor Raia headed a project funded by the New York State Education Department (for a total of $200,000) to institutionalize a special masters degree for middle school science teachers at City College, piloting the first courses for the program in Spring 2002. Since 2003 she has been the Principal Investigator for the Teacher Leadership Quality Partnership (TLQP), a five-year grant awarded by the State for $308,000 annually, to expand and refine the program and build an integrated system of professional development. The program is a collaboration between the Division of Science, the School of Education, and the New York City Instructional Regions 1, 9, and 10 to create and support a community of learners whose collaborative efforts will improve science education in grades K–8 and will provide a continuum of professional development across the grades.

**Shirley Raps**
Professor and Chair

**Hunter College, Department of Biology**

## Howard Hughes Medical Institute Undergraduate Science Education Program

With a grant of $1.3 million over a four-year period, the Howard Hughes Medical Institute Undergraduate Science Education grant has funded a number of initiatives at Hunter College including the following:

- Summer research opportunities for undergraduates at the Marine Biological Laboratory, Woods Hole, MA and the American Museum of Natural History in New York City. The participants are now co-authors of journal articles and/or presentations at national scientific meetings.
- Establishment of an Undergraduate Research Techniques Facility, a small practice lab and learning center in Biology designed to provide practical experience and background information to undergraduates with little or no research lab experience prior to their entry into a faculty research laboratory. There are no fees, no exams, no grade, and no credits for RTF work.
- Development of an undergraduate course for non-science majors; Current Topics in the Biosciences, and establishing a yearly Forum on a current topic (Bioterrorism, Global Warming, Emerging Infectious Diseases) for the Hunter College community.
- A four week summer workshop in molecular biology for high school teachers, development of lesson plans by teachers to be used at their high schools with $2,000 in equipment and supplies. Teachers and their students then spend a day at the American Museum of Natural History with museum educators and another day at Hunter College, touring the college, visiting biology research laboratories and facilities, and having lunch with biology undergraduates who discuss their research and college experiences.
- Hiring a faculty member with expertise in bioinformatics to initiate building a Bioinformatics program at the college.

**Nancy Romer**
Professor and Director
**Diane Reiser**
Program Director

**Brooklyn College, Psychology**

## Brooklyn College Community Partnership for Research and Learning

Not everybody learns best by sitting in a classroom. A lot of students want a more active learning experience. Community Partnerships addresses these needs through an innovative mix of community service, academic learning, and community-based programs. The Brooklyn College Community Partnership (BCCP) for Research and Learning combines dynamic educational experiences for college students while providing educational and social development experiences for Brooklyn public high school students. The BCCP administers day and after school programs in five high schools and houses its own full day program on campus for teenagers with special attendance and academic needs. These programs serve over 750 high school teens and 180 Brooklyn College students annually, and employ over twenty people on full and part-time bases, including many Brooklyn College undergraduates, graduate students, and graduates. The BCCP works closely with high school teachers, administrators, and parents. BCCP has organized a network of Brooklyn College faculty who create service-learning opportunities for students and develops ways to engage the college in enriched educational experiences that serve community members. Programs for high school students include peace councils, conflict resolution, writing, academic tutoring, regents and SAT preparation, arts, sports, field trips, and trips to Brooklyn College for special events and college preparation. Internships and paid summer jobs are provided for over 200 high school students each year. Currently grants total $1,350,000, including $461,000 from the NYC Department of Employment/The After School Corporation; $198,000 from TASC; and $125,000 from the Corporation for National and Community Service.

**Beth Spenciner Rosenthal**
Professor

**York College,**
**Social Sciences**

**Older Adolescents and Stress**

Dr. Rosenthal is engaged in an ongoing program of psychosocial research currently supported by a 4-year grant from the National Institutes of Health (NIH) $1,000,000. The research concerns stressful events and circumstances and their psychosocial outcomes among older adolescents. The research involves cross-sectional correlational and longitudinal designs on data collected by self-administered questionnaires with older adolescents, high school seniors, high school dropouts and beginning college students. One recent study focused on ecological antecedents and psychosocial consequences regarding exposure to community violence during high school. There is a considerable degree of exposure to community violence among adolescents; and witnessing is more common than victimization. The findings about the antecedents were counter-intuitive: neighborhood and family characteristics were generally not related to exposure; however, the greater the degree of exposure the greater the degree of psychological distress.

Other studies within the research project have found that exposure to community violence is indirectly related to academic performance (with a small effect size) and to upper respiratory infections (with a moderate effect size). Psychological distress appears to be the mediating variable that transmits the impact of exposure to these outcomes. Another recent study compared Jamaican American adolescents living in New York City with Jamaican adolescents living in Jamaica, West Indies and with non-immigrant African American adolescents living in New York City in terms of exposure to community violence and psychological distress. Jamaican American adolescents are more similar to African American adolescents in terms of exposure but have greater levels of distress than adolescents in either of the other two groups. Future studies within the program will inquire into the joint effects of multiple adverse circumstances on psychological distress; and into psychosocial variables that moderate the impact of exposure on distress.

**Anne Rothstein**
Professor

**Lehman College,**
**Early Childhood and Childhood Education**

**Mathematics and Science Through Excellence and Research**

The Mathematics and Science Through Excellence & Research (MASTER) program has been at Lehman College, within its Center for School/College Collaboratives, for almost 20 years. Since 1984 it has received funding from the New York State Science and Technology Entry Program. Beginning in 1996 the program has also received funding from the NASA Pre-college Achievement of Excellence in Math, Science, Engineering, and Technology (PACE/MSET) program. The program engages students in project-based activities skills related to science, mathematics and technology that require critical thinking and problem solving. In each laboratory-based area students gather information on a topic; formulate hypotheses; design research using the concepts of variables and controls; gather data; analyze data; and explain findings. The areas of study include: Types of energy and their inter-relationship; Technology and the Future; Anatomy and Physiology; Forensic Chemistry; Physics and Design; Biological Investigations; Fly and Drive; Technology and Society; Behavioral Physiology; Fundamentals of Physics; An Introduction to Web Page Design; Navigation with Map and Compass; Design and Building of Bridges and Cars; Environmental Science; Physiological Inquiry; Using the Internet for Scientific Research; Principles of Navigation, and Physics of Flight.

The program enables Lehman College to provide outreach in the form of college credit courses to qualified students in Yonkers and Mount Vernon and to participants in a summer program at Wave Hill Environmental Center. More than just participating students, the program has impacted on students at the schools in which the program faculty work as they learn and implement new ways of organizing and presenting materials to students. Once program staff began using technology on a regular basis in connection with the summer program students requested that teachers in their school incorporate similar learning opportunities during the year. Thus, Lehman was asked to conduct workshops on computer integration for instruction for teachers, first in the science department and then in social studies and mathematics. In the past 5 years, Professor Rothstein has received almost $7,500,000 in Training, Program Development, and Student Support grants. Notable sponsors include the New York City and State and U.S. Departments of Education, as well as the National Aeronautics and Space Administration.

**Martin Ruck**
Assistant Professor

**Graduate School and University Center, Developmental Psychology**

## Children's and Adolescents' Social Reasoning About Exclusion

The purpose of this project is to understand how young people evaluate peer exclusion and how this knowledge is related to an understanding of rights and justice in general societal contexts. Past research has shown that children have a strong sense of justice and fairness. At the same time, research has also shown that children and adolescents hold stereotypic assumptions about others based on gender, race, and ethnicity. Recent work has also shown that children believe straightforward exclusion based on group membership is wrong. The study focuses specifically on when children view exclusion as a matter of discrimination and how this compares to their own experiences as well as their interpretation of rights and justice in societal contexts. In this project, students from three research sites (New York City, Maryland, and Virginia), will participate by evaluating hypothetical stories about individuals who reject someone as a friend in several contexts including school and home. These evaluations will be compared to students' general attitudes about rights and fairness in society.

For the New York City component, children will take part in a one-time 30 minute interview. Participants will be approximately 180 4th, 7th, and 10th grade public school students (60 at each grade) from racial and ethnic minority neighborhoods. The individual interview is comprised of two measures: (1) The Social Reasoning About Intergroup Relations Interview presents three hypothetical stories about individuals who reject a minority group peer in multiple social contexts such as school or home and (2) The Perceptions of Intergroup Relations Questionnaire is a 5-subscale measure, which assesses general attitudes about discrimination, exclusion and the importance of diversity. Data collection is ongoing and it is anticipated that the information obtained from this study will be helpful to teachers, counselors, and school administrators. The University of Maryland funded this research for $54,011.

**Cathy Savage-Dunn**
Professor

**Queens College, Biology**

## Cell-Cell Communication in Tumor Suppression

Dr. Savage-Dunn, with $170,662 in funding from the American Cancer Society, is investigating cell-cell communication in animals using a genetically tractable model organism, the roundworm Caenorhabditis elegans. Cells communicate, or signal, by releasing molecules that are sensed by other cells. These signals help to control cell growth and function, while cancer represents an escape from the normal regulation of cell growth and replication. To understand the causes of and possible treatments for cancer a detailed understanding of the normal regulatory pathways is needed. One important class of signaling molecules is the TGFb (transforming growth factor b) class. These signals regulate many aspects of cell function in diverse animal species, and components of their signaling pathways act as tumor suppressors involved in human cancers. Through this funding, Dr. Savage-Dunn's laboratory will investigate the molecular, genetic, and cellular processes involved in cell communication via TGFb signals. Her laboratory has already cloned genes involved in this signaling pathway. These genes encode transcription factors that function by regulating the expression of other genes. The aims of this grant are to understand how these transcription factors work at a molecular level and which genes' expression levels they regulate.

**Jack S. Schlein**
Professor

**York College,
Natural Sciences/Biology**

**Science, Engineering, Mathematics, and Aerospace Academy (SEMAA)**

SEMAA exposes historically underrepresented youth to activities in the fields of science, engineering and mathematics and increases the number of these students enrolling in technology related majors in college. The centerpiece of SEMAA at York College is an Aerospace Education Laboratory (AEL) which was installed by NASA. The laboratory contains a wind tunnel, weather station, aircraft design station and a state-of-the-art flight simulator. Through these technical stations, students plan and execute a cross-country flight while learning important scientific principles. In addition to the AEL, students also have the opportunity to be directed in aeronautics-based activities using York College's science labs. Grade-appropriate curricula have been designed by NASA and are primarily hands-on and inquiry based. Since 1999, NASA has made over $1,000,000 available to York College for the SEMAA Program. The national SEMAA design includes a week long summer session with daily meetings and two eight-week academic year sessions in which students meet each Saturday. The York College SEMAA program has been growing since its inception and continues to have a robust success with both students and parents. In the summer of 1999, York offered its first SEMAA program. A total of 106 sixth graders attended. In the fall of 1999, the program was expanded to include 5th and 7th graders for the academic year session. In spring 2000, eighth graders were invited to participate. In the Summer 2002 third graders were included and in fall 2003 9th graders were added to bring us to our current pattern of third–ninth grades. By the end of fall 2003, SEMAA will have served over 4,000 students from southeastern Queens.

**Carroll Seron**
Professor

**Baruch College,
School of Public Affairs**

**Police-Community Relations**

Professor Carroll Seron studies the legitimacy of police practices in the eyes of the public, or citizens' understanding of the gray area between a police officer's responsibility to respect a citizen's due process rights. This study focuses on two questions: (1) how do citizens rate the seriousness of misconduct in encounters between an officer and a civilian and (2) what is an appropriate punishment for misconduct in the view of citizens?

Perceptions of police misconduct and, following this, just punishment are complex judgment calls. For citizens, perceptions of police abuse and just punishment for abuse are likely to vary, depending on the details of the situation as well as one's social background, the shaping of experiences through community and family networks, the nature, extent, and interpretation of personal encounters with the police, and general attitudes toward the police, race, crime, and government. Viewed from the standpoint of the police officer on the beat, however, perceptions of police misconduct and just punishment are equally likely to be complex judgment calls, if for a somewhat different set of factors; encounters often begin with a call to a scene where the problem is only cryptically reported and where there may be the makings of a highly adversarial situation. Building on studies of the public's perception of police practices as well as studies of policing, this research is designed to explain the normative structure of police abuse and just punishment in the context of the range of settings that typify complex day-to-day encounters between officers and citizens. These topics are examined with data obtained from a telephone survey undertaken with a random sample of 1100 respondents in the City of New York. The sampling frame is designed to insure statistically reliable comparisons across ethnic groups in the City, including whites, African-Americans, Hispanics, and Asians. This study of police-community relations is funded by the Law and Social Sciences Program of the National Science Foundation, Social and Behavioral Sciences in the amount of $272,268.

**Rachel Singer**
Director of
Academic Affairs

**Kingsborough Community College, Academic Affairs**

## Opening Doors Learning Communities

The Manpower Demonstration Research Corporation (MDRC) located in New York City is a nonprofit social policy research organization dedicated to improving the lives of low-income individuals and families. The MDRC has launched Opening Doors, a demonstration project that works with a network of community colleges to address issues related to improving student retention and graduation rates. Kingsborough Community College has been selected to participate in the Opening Doors project and has received a $400,000 grant from MDRC and the Robin Hood Foundation to develop and implement two Opening Doors components that entail increasing financial aid and the development of Learning Communities curricula. The Opening Doors project at Kingsborough consists of small intensive Learning Communities that assists a cohort of 25 new students get through remedial classes and enroll in regular college courses. Students are provided with in kind financial support that provides books for their coursework. The services also include block scheduling that allows the same cohort of 25 students to take three courses together during their first semester. The three courses include a college orientation course, a remedial English and core academic course whose curricula have been integrated. In addition to the block scheduling, a case manager/counselor is assigned to the cohort of students providing them with advisement, counseling and tutoring services. The benefits from Kingsborough's participation in the Opening Doors project provides opportunities for the college to interact with other participating states and community colleges through learning-exchange forums; receive technical assistance from MDRC and its partner organizations; gain national recognition for implementing innovative programs; inform, federal and state policy and, if warranted by research findings, lay the groundwork for future expansion and receive funding to provide program enhancements and compensate research-related costs from the MDRC.

**Martin S. Spergel**
Professor

**York College, Natural Sciences**

## Partnership Initiative in Space Science: York College Observatory Educational Outreach (Y-COOP)

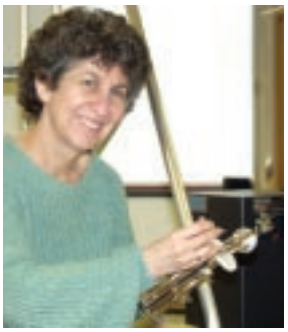
A three year NASA-OSS grant ($579,000) provides support for a broad program of upgrading science education in Jamaica, N.Y. and other inner city areas. The program is developing educational infrastructure at York College; at high schools within the Department of Education of the City of New York; and training in-service secondary school science teachers and establishing linkages with educational and NASA research institutions.

NASA-OSS grant funding has strengthened the college's physics and astronomy program by stimulating cooperative programs with Princeton University that has lead to published research for York faculty and undergraduates. Y-COOP has cooperatively strengthened New York City high schools' program in Earth and Space Sciences by creating curricula materials and offering high school faculty development. A two semester in-service teacher-training program for secondary school science faculty has been created, offering activities in Solar System Astronomy and Cosmology. Cooperative programs with other units of the City University of New York-NASA/OSS grant programs have lead to strengthening of the university's program in space sciences. Collaborations have been established with the NASA's MAP satellite and SEMAA programs providing enrichment and outreach programs for under-represented children. Over 25 new courses in two new minors and one new major have been developed. Y-COOP goals to improve the high school curricula in physics and earth science have reached over 300 science teachers and their supervisors. A link has been formed to recruit science teachers to the Y-COOP In-Service Seminar program planned for 2004. A special collaboration between York College NASA-SEMAA and NASA-Y-COOP has been established to introduce novel teaching techniques developed at JPL and is expected to reach over three hundred secondary school science teachers.

**Ruth E. Stark**
Professor
Director CUNY Institute for Macromolecular Assemblies

**College of Staten Island, Chemistry**

## Molecular Biophysics of Glyceride Transport and Protective Plant Polymers



Fatty acids are important physiologically for energy storage and metabolism, membrane structure, and intracellular signal transduction. Professor Stark's group is studying the three-dimensional conformation and internal dynamics of fatty acid-binding proteins and associated complexes. This work employs a coordinated investigative strategy of multidimensional nuclear magnetic resonance (NMR), computational modeling, and fluorescence energy transfer assays. Professor Stark's goal is to understand the polymeric structures that make the outer skin of fruits resilient and resistant to pathogenic attack, especially under conditions of environmental stress. Using limes and tomatoes, studies are underway to find out how cutin interacts with waxes and water and to determine molecular structure for both intact cutin and its oligomeric fragments. Also under study are biosynthesis, structural development, and domain formation in suberin, a cuticular material that forms on the surface of wounded plant tissue. Finally, the work aims to determine the molecular identity of biopolymers responsible for hard-to-cook syndrome in potato tissue. Because many polymers and biopolymers are semisolid in nature, studies of their molecular structure and organization often require tailored spectroscopic approaches.

Professor Stark's research is supported by grants from the National Science Foundation, National Institutes of Health, U.S.-Israel Binational Agricultural Research and Development Fund, and a CUNY Collaborative Grant totaling more than $400,000 yearly. In addition, she is Principal Investigator for NSF-sponsored Research Experiences for Undergraduates and Research Coordination Network programs funded by annual budgets of $160,000. Professor Stark secured an equipment grant of $2.5 million for the CUNY Macromolecular Assemblies Institute in Fall 2002 and participated along with 40 other scientists in New York Structural Biology Center grants totaling $20 million for the period 2001–2006.

**Reid Streiby**
Professor

**Bronx Community College, Social Sciences Department**

## The New York City Youth-in-the Environment Project

From its inception in 1990, the U.S. Environmental Protection Agency's Youth in the Environment (Y&E) Training and Employment program has been aimed at introducing economically disadvantaged urban youth (ages 15–19) to career opportunities in the environmental field by combining paid summer employment with education, training, and hands-on experience. The program provides a blueprint for establishing youth awareness and training in the full spectrum of environmental areas, including but not limited to:

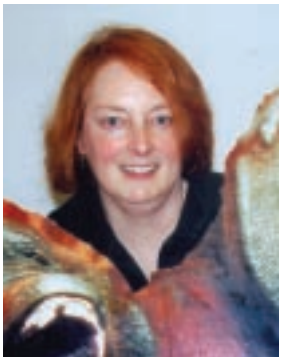
- Water Treatment and Supply
- Wastewater Treatment and Collection
- Solid waste recycling and Household Hazardous Waste
- Marine/Aquatic Environments
- Environmental Health Education
- Environmental Justice, and
- Natural Resource Protection

Project sponsors include: U.S. Environmental Protection Agency-Region 2, NYC Department of Environmental Protection, Bronx Community College, Woodycrest Center for Human Development, Inc., NYC Summer Youth Employment Program and National Partnership for Education (PETE). In 2003, the BCC/Y&E program received a Distinguished Quality Service award from EPA/Region 2 in recognition of its outstanding performance in providing inner city youth with education and training opportunities related to environmental science and technology. The program is funded by NOAA, The National Oceanic and Atmospheric Administration and the New York City Youth-in-the Environment Project at $250,000 for two years.

**Karyl B. Swartz**
Professor and Chair

**Lehman College, Psychology**

## Nonverbal and Serial Memory Processes



Dr. Swartz's research addresses basic memory processes in orangutans (Pongo pygmaeus) and rhesus monkeys (Macaca mulatta) using a task analogous to free recall procedures in human subjects. The overall goal is to compare specifics of nonverbal serial memory empirically across individuals and species to identify similarities and differences in how nonhuman primates produce a serial list. The organizational strategies spontaneously developed by nonhuman primates as they acquire serial lists are currently being addressed. Additional experiments will investigate encoding process in serial learning to determine: 1. the extent to which nonhuman primates will use the order of list items to facilitate encoding, 2. whether subjects encode lists as a unitary whole, 3. short-term memory for item identity and order, and 4. the extent to which categorical information facilitates encoding, and 5. whether experience with organizational schemes promotes organization of unrelated items. The results of the proposed research will provide basic information about nonverbal memory processes.

Dr. Swartz is the director of the Minority Research Infrastructure Support Program (M-RISP) funded by the National Institute of Mental Health and the Minority Biomedical Support Program/Support for Continuous Research Excellence Program (MBRS/SCORE) funded by the National Institutes of Health. Since 1990 Professor Swartz served as Principal Investigator and/or Project Director on the NIH MBRS, SCORE and NIMH MRSIP programs during which time she received in excess of $13,900,000 in grants, more than $4,000,000 of which was in support of her research activities. Her research with orangutans is conducted at the Smithsonian Institution National Zoological Park in Washington, D.C., where she has an appointment as Research Associate.

**Virginia Valian**
Distinguished Professor, Psychology
**Vita Rabinowitz**
Professor, Biology
**Shirley Raps**
Professor, Biology
**Richard Pizer**
Provost

**Hunter College**

## ADVANCE Institutional Transformation Award

This 5-year $3.75 million award from the National Science Foundation to Hunter College funds a Gender Equity Project (GEP) whose goal is to more fully understand why women continue to lag behind men in the sciences and to develop programs and policies to eliminate gender disparities and help all scientists flourish. What is the GEP doing? It is:

- Reviewing policy and changing procedures that disadvantage women.
- Measuring and reporting gender equity benchmarks.
- Uncovering and correcting hidden and subtle biases.
- Educating faculty and administrators about how gender affects careers.
- Sponsoring talented women scientists in all academic ranks.
- Increasing recognition and leadership of outstanding women scientists.

The GEP Sponsorship Program benefits 8–12 associates per year. The program is open to Hunter College women scientists of any age and at any point in their career. Its aim is to benefit women's professional development and scientific work, whether that work is their current research or a new research direction.

Each GEP associate receives the benefits of working with a sponsor who is a senior and successful member of the associate's field. The GEP associates commit themselves via contract to a set of goals and activities, including but not limited to submission of grant proposals and journal articles, attendance at colloquia and workshops, and development of skills. Each associate receives $10,000 to be used for research. The GEP sponsors serve as intellectual sounding boards for the associates, meet bi-weekly with them to review their progress, discuss the intellectual content of their work, help set and modify goal deadlines, help strategize about professional development, and make specific and concrete proposals for the associates' next steps. Sponsors sign a contract committing themselves to a set of activities and receive $5,000 to be used for research. The GEP colloquia and workshops cover a broad range of topics, such as time management, negotiation, managing a lab, and dealing with rejection. Associates discuss the literature on these topics and engage in activities designed to increase their professional effectiveness and enjoyment.

**Maria R. Volpe**
Professor/Director of Dispute Resolution Program

**John Jay College of Criminal Justice, Sociology**

**Dispute Resolution at CUNY**

Professor Maria R. Volpe created an internationally recognized intellectual home for the dispute resolution field at The City University of New York. Her pioneer work began with establishing the Dispute Resolution Certificate Program in 1981, one of the first such programs in the nation. This program laid the groundwork for the creation of the CUNY Dispute Resolution Consortium in 1993, a university-wide center started with the assistance of a grant from the William and Flora Hewlett Foundation. Since its inception, the CUNY Dispute Resolution Consortium has received over $1,000,000 from the Hewlett Foundation, in addition to funding from a variety of other foundation and government sources.

The Dispute Resolution Consortium serves as a comprehensive coordinating mechanism for a wide range of dispute resolution efforts at CUNY and in New York City. It conducts research, organizes a variety of conferences and training programs, provides technical assistance, produces research working papers, publishes a biannual newsletter, maintains a listserv and website, and houses an extensive database of those interested in dispute resolution in New York City. It has an outstanding track record in addressing all kinds of difficult issues using a variety of innovative formats including dialogues, town meetings, mediation, and related informal dispute resolution processes. Of particular note, the Dispute Resolution Consortium has specialized in fostering constructive intergroup relations including dialogues between police and children and among culturally diverse groups. In the aftermath of September 11th, the Dispute Resolution Consortium role has grown exponentially. It has increasingly assumed a leadership role in convening dispute resolution practitioners and scholars in New York City. Two of the most significant post-9/11 activities have been its citywide monthly breakfast meetings where participants have worked on identifying the importance of imbedding ways to Make Talk Work in NYC and the creation of a new listserv, NYC-DR which has strengthened communication among dispute resolvers in New York City.

An internationally known scholar, Dr. Volpe has lectured and written extensively about dispute resolution processes, particularly mediation, and has been widely recognized for her distinguished career in the field of dispute resolution. She teaches dispute resolution courses at the undergraduate and graduate levels; mediates conflicts in educational settings; conducts dispute resolution skills training, does facilitation for a wide range of groups, and administers grant funded projects. Her current funded research includes two projects: one on the police use of mediation and a second project focusing on responses by dispute resolvers to 9/11.

**Michael Weisberg**
Associate Professor

**Kingsborough Community College, Physical Science**

**Primitive Solar System Materials**

Rocks fascinate Kingsborough Associate Professor Michael K. Weisberg. But not just any rocks. Dr. Weisberg is studying meteorites—space rocks—thanks in part to a three-year ($88,000) grant from NASA. The meteorites Dr. Weisberg studies are called chondrites. They were formed about 4.55 billion years ago in a cloud of gases and dust-sized particles known as the solar nebula. Some particles within the chondrites may be about 10 million years older than the chondrules, and are thought to be among the first solids that formed from the nebula. Chondrites also contain very tiny particles that formed in other stars prior to the birth of our solar system—true stardust—and these particles are the oldest materials in our solar system. Because chondrites formed at the same time as the planets, they allow scientists to see details of events that took place when our solar system was first developing. For the past 18 years, Professor Weisberg has conducted research in collaboration with the American Museum of Natural History as a curatorial assistant, a scientific assistant, a research fellow, and now as a research associate. Professor Weisberg's current research at the museum utilizes several types of microscopes and other sophisticated equipment to examine different kinds of meteorites.

**Paula Whitlock**
Professor

**Brooklyn College, Computer and Information Science**

**ScienceTutor**

The goal of this two-year Brooklyn College project is to develop ScienceTutor, a new on-line tutoring model designed to improve student performance in gateway science courses. ScienceTutor will offer students access to much-needed tutoring support. ScienceTutor includes interactive, graphics-oriented content, including summaries of key concepts, overviews, and solutions to problems. ScienceTutor differs from conventional distance learning in that it is designed to be used by students outside of a class setting. The goal is to respond to students' most pressing learning issues when the Learning Center is not open and no faculty or tutors are available. The research is supported by a two-year, $74,985 grant from the National Science Foundation.

**Andrzej Wieraszko**
Professor

**College of Staten Island, Biology**

**Synaptic Plasticity**

The nervous system is increasingly exposed to electromagnetic fields generated by cellular phones, magnetic resonance imaging and transcranial magnetic stimulation. Although epidemiological studies suggest that exposure of the nervous system to electromagnetic fields may have adverse biological effects, very little is known about the mechanisms of these interactions. Research analysis of brain tissue exposed to magnetic fields in Professor Andrzej Wieraszko's lab demonstrated changes in the chemicals involved in the regulation of brain function. This influence was directly related to the intensity of the applied field and its frequency. In a related area of research, Professor Wieraszko is evaluating the influence of melatonin on neuronal activity because melatonin may be involved in the mediation of magnetic fields effects. Melatonin is know to be an important modulator of circadian rhythms (e.g. sleep) in different organisms and is able to depress neuronal activity in the brain tissue. Since the outside environment, including magnetic fields can control the level of melatonin, this hormone can be a powerful messenger conveying the messages from the outside environment to specific brain areas modulating brain function.

Another area of Professor Wieraszko's research includes the study of the biochemical and electrophysiological mechanisms regulating the activity and interactions of the nerve cells using bird and mouse brain slices. For this work, the Center is exploring the striking similarities between song learning in birds and speech learning in humans to gain better insight about language learning and development in humans. Professor Wieraszko is collaborating with a scientist at Queens College to characterize the vocal centers of the canary brain as well as investigate behavioral development and physiology of the canary song system. Proessor Wieraszko's research is supported in part by grants from the National Institutes of Health ($435,770 for 2001–2004), the PSC-CUNY Research Award Program, and the CUNY Collaborative Research Incentive program ($38,500 for 2001–2004).

**Marcie Wolfe**
Director

**Lehman College, Institute for Literacy Studies**

## Professional Development Partnerships in Literacy and Mathematics

The Institute for Literacy Studies (ILS) focuses its work on three overlapping areas: literacy education, mathematics education, and school improvement and reform. Two ILS programs, the New York City Mathematics Project and the New York City Writing Project, receive funding for long-term professional development partnerships with New York City public schools. In response to the critical local and national need to improve mathematics education, the New York City Mathematics Project seeks to reform and improve K–12 mathematics. The Mathematics Project's NSF-funded program, Teacher Leaders for Mathematics Success, focuses its work on teams of teachers, staff developers and/or administrators from Bronx K–8 schools who participate in specially designed institutes for three consecutive summers. These institutes seek to fuse teachers' immersion in mathematics and grasp of standards-based curricula with leadership development that results in increased expertise for Bronx K–8 teachers, strengthens school-wide instructional congruence in mathematics, and fosters connections to professional networks. Major funding partners for the Mathematics Project's professional development partnerships over the past three years include the National Science Foundation ($1,132,873), the NYC Department of Education ($1,024,580), and the Greenwall Foundation ($190,000).

The New York City Writing Project is the local site of the National Writing Project, a national network of 175 university-based professional development programs in literacy education. The Writing Project seeks to improve instruction and student performance in New York City middle and high schools by increasing teachers' ability to use writing as a tool for learning, thinking, and communicating. Last year the Writing Project received funding to develop and evaluate a New Teacher Initiative, a three-tiered model of new-teacher support including weekly one-to-one meetings on-site between a Writing Project teacher-consultant and individual new teachers; the formation of a community of new teachers within individual schools through after-school or lunchtime meetings; and the development of a broader new-teacher community through inter-school meetings; and an on-going listserv conversation. The Project also offers two community-based programs: 1. summer youth writers institutes where teens develop a solid understanding of writing strategies and forms, gain confidence in their artistic expression, and connect with a larger community of youth writers; and 2. the Youth Education Scholars project, where practitioners in after-school youth programs build their knowledge of children's and young-adult literature for use in their programs.

Major funding partners for the Writing Project's work over the past three years include the US Department of Education /National Writing Project ($127,500), the New York City Department of Education ($2,098,000), the Robert Bowne Foundation ($185,000) and the JP Morgan Chase Foundation ($70,400). In the past 5 years, the Institute has averaged over $2,500,000 a year in funding from numerous federal, state, and private sources, including the New York City and New York State Departments of Education and the National Science Foundation.

**Vanessa Yingling**
Assistant Professor

**Brooklyn College, Physical Education and Exercise Science**

## What Causes Osteoporosis?

Until just a few years ago, osteoporosis was thought to be a disease exclusive to older women, but current research is showing an epidemic of the bone-thinning disorder in young women who are dancers or are extremely athletic. Some have theorized that athletic young women typically have lower levels of estrogen and a later onset of puberty, which might affect their bones. Others have suggested that extensive physical activity may cause structural changes in the formation of bones. Knowing more about what contributes to diminished bone density will help prevent osteoporosis, a disease that currently affects more than twenty-eight million Americans. Dr. Yingling, whose research is funded at $151,000 by the NIH through the National Institute on Aging, is developing an animal model for lower bone mass by giving young female rats a drug that delays the onset of puberty. After the rats have achieved adult size, Dr. Yingling will compare their bone density to a population of normal rats. The research will also look at the bone density of a similar population of "athletic" female rats that have been accustomed to vigorous physical activity. If in this research a relationship between loss of bone mass and delayed puberty or physical activity is discovered, this study might yield knowledge that will enable young people to develop optimal bone density and avoid osteoporosis.

**Shuiqin Zhou**
Associate Professor

**College of Staten Island, Chemistry**

## Nanostructural Control of Buckyball Assemblies for Advanced Applications

Fullerene and its derivaties ("Buckyballs") have been explored intensively as promising electronic, optical and biomedical materials because of their unique photophysical and electrochemical properties, ability to inhibit HIV enzymes, and low toxicity. Professor Shuiqin Zhou, leads a research group investigating the organization of fullerenes into nanostructures. This work is motivated by twin challenges to the fabrication of new fullerene-based materials: their low solubility in polar media and the difficult control of their aggregation states. Through the molecular tailoring of different charges and hydrophilic side chain(s) on the buckyball surface, Professor Zhou's group has designed a unique type of amphiphilic fullerene surfactants. Using organic synthesis and the modern physical techniques of static/dynamic light scattering, synchrotron X-ray scattering, and transmission electronic microscopy, Professor Zhou's group has achieved well-defined morphologies such as solid spheres, nanorods, nanovesicles, and nanotubes from the self-assembly of charged fullerene amphiphiles in water. The National Science Foundation has approved grants totalling $412,651 for 2003-2006.

# AWARDS

**ABDELLATIF, NASSER/AKINMOLADUN, ANDREW — BRONX C. C.**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative, $11,674
Special Legislative Initiative: Collegiate Science and Technology Entry Program (CSTEP), $15,357

**ABDELLATIF, NASSER/SEAS, ANTONIOS — BRONX C. C.**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $85,000
Science and Technology Entry Program (STEP), $106,000

**ACRIVOS, ANDREAS — CITY COLLEGE**
NASA
Particle Segregation in a Flowing Concentrated Suspension Subject to High-Gradient Strong Electric Fields, $89,280

**AGRAWAL, ANIL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Development of an Electromagnetic Shape Memory Alloy Friction Damper for Civil Infrastructures, $44,000

**AHEARN, SEAN — HUNTER COLLEGE**
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Program Management Quality Assurance Services for Sewer Facilities Conversion Project, $995,976
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
Maintenance of the New York City Base-Map, GIS Application Development and Training, $241,886
WTC Professional Support Services, $261,648
VARIOUS PRIVATE SOURCES
Center for Applied Research on Spatial Information (CARSI) Research Support, $1,030

**AKINMOLADUN, ANDREW — BRONX C. C.**
CLARKSON UNIVERSITY
Biomedical 2 + 2 Transfer Program, $10,000

**AKINS, DANIEL — CITY COLLEGE**
COLUMBIA UNIVERSITY
Columbia Center for Electronic Transport in Molecular Nanostructures, $135,000
Marine Research Science and Engineering Center (MRSEC), $40,954
NATIONAL SCIENCE FOUNDATION
IGERT: Nanostructural Materials and Devices, $1,042,000
U.S. ARMY
DOD Science, Mathematics, and Engineering Education, $45,000
Encapsulated Nanoscale Molecular Aggregates as Enhanced Luminophores and Chemical Sensors, $336,110

**AKST, GEOFFREY/BRAGG, SADIE — BOROUGH OF MANHATTAN C. C.**
U.S. DEPARTMENT OF EDUCATION
Strengthening Institutions Program, $281,794

**ALEXANDER, RODNEY/MALDONADO, ACTE — BOROUGH OF MANHATTAN C. C.**
U.S. DEPARTMENT OF LABOR
H-1B Skills Shortages Project, $2,872,689

**ALEXANDRATOS, SPIRO — HUNTER COLLEGE**
PALL CORPORATION
Design and Development of Hybrid Cartridge for the Removal of Arsenic from Groundwater (HCRA), $127,718
PG RESEARCH FOUNDATION, INC.
Design and Development of Polymer-Supported Reagents for the Selective Removal of Methyl Tertiary Butyl Ether from Groundwater, $70,992
U.S. DEPARTMENT OF ENERGY
Immobilized Ligand-Modified Scaffolds: Design, Synthesis, and Ionic Recognition, $115,000

**ALFANO, ROBERT — CITY COLLEGE**
INFOTONICS TECHNOLOGY CENTER
The Compact Photonic Explorer, $1,357,451
LOCKHEED MARTIN ENERGY RESEARCH CORPORATION
Administrative Expenses, $10,540
Terahertz and Imaging, $25,000
MEDISCIENCE TECHNOLOGY
Fluorescence Optical Biopsy, $35,000
Mediscience Technology Patent Funds, $3,875
NASA
University Research Center for Optical Sensing and Imaging of the Earth and Environment, $1,099,608
NIH-NATIONAL INSTITUTE FOR BIOMEDICAL IMAGING AND BIOENGINEERING (BIB)
NIR Tunable Laser Tissue Welding, $204,587
NORTHROP GRUMMAN
Chemical/Biological Sensor Development, $10,000
SVT ASSOCIATES, INC.
Design of Solar Blind GAN/ALGAN Multiple Quantum Well Photodiodes, $21,435
U.S. AIR FORCE
Tunable High Efficiency Resonant Tunneling GAN/GANMQW UV Photodetectors, $199,987

**ALTHAM, WILLIAM — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $38,169

**ALTMAN, STAN — BARUCH COLLEGE**
NYC CITY COUNCIL
Study of Women and Minority Owned Businesses in the Municipal Contracting Process, $61,388
NYC DEPARTMENT OF EDUCATION
Staff Leadership Professional Development Services: To Prepare School Leaders to Address New Challenges Faced by Educational Leaders and Urban Educational Institutions, $18,747

**ALTMAN, STAN/VAN RYZIN, GREGG — BARUCH COLLEGE**
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
New York City-Wide and Neighborhood Behavioral Risk Factor Surveillance System Survey, $433,760

**AMBRON, JOANNA — QUEENSBOROUGH C. C.**
RESEARCH FOUNDATION/STONY BROOK
Bio PREP, $25,909

**ANDERSON, PAULA — QUEENS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Queens College Upward Bound Program, $420,780

**ANDREOPOULOS, IANNIS — CITY COLLEGE**
U.S. CIVILIAN RESEARCH & DEVELOPMENT FOUNDATION
Hydrodynamic Interaction of the Near-Bottom Wave Current and Submerged Pipeline, $9,000

**ANTHONY-TOBIAS, SANDYE — OFFICE OF VC – STUDENT DEVELOPMENT & ENROLLMENT**
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Child Care Development Block Grant, $1,953,180

**ANTONIELLO, PATRICIA — BROOKLYN COLLEGE**
HEALTH RESEARCH, INC.
Healthy Heart Worksite Promotion Contract, $60,000

**APPEL, JOAN/THOMAS, RONALD — YORK COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Support for Sponsored Programs, $8,000

**APTER, ARTHUR — BARUCH COLLEGE**
NATIONAL SCIENCE FOUNDATION
Mid-Atlantic Mathematical Logic Seminar (MAMLS), $9,333

**ARCARIO, PAUL — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
Developing Hispanic-Serving Institutions Program, $473,540

**ARCARIO, PAUL/EYNON, BRET — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
Strengthening Hispanic-Serving Institutions, $673,109

**ARCARIO, PAUL/FAKHARI, MOHAMMED — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
E-Transfer Project, $176,423

**ARNASON, SIA — HUNTER COLLEGE**
NYC DEPARTMENT FOR THE AGING
Supportive Services Program, $77,839
NYS INTEREST ON LAWYER ACCOUNT
IOLA Brookdale 2000, $9,470
UTAH STATE UNIVERSITY
Grandparent Caregiver Law Center, Brookdale Center on Aging at Hunter College, $6,000

**ARNASON, SIA/GILBERTO, PASQUALE — HUNTER COLLEGE**
NYS DEPARTMENT OF STATE
Civil Legal Services: Community Service Provider Assistance Program, $11,258

**ARNASON, SIA/WALLACE, GERALD — HUNTER COLLEGE**
NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE
The State Caretaker Legal Resource Center and Help for Caretakers' Relatives, $46,095

**ARTZT, ALICE/ANDERSON, PHILIP — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Fund for Realizing Education Excellence (FREE), $70,669
Time 2000, $128,947

**AUSTIN, SHERMAINE — MEDGAR EVERS COLLEGE**
NASA
Network Resources and Training Site: An Urban Collaboration for Networks Connectivity and Internet Access MUSPIN NRTS Program, $350,000

**AXENROD, THEODORE — CITY COLLEGE**
U.S. NAVY
Synthesis of High Energy Density Cyclic Mixed Nitramino/Difluoramino Ingredients, $9,589

**AYALA, VICTOR — NYC COLLEGE OF TECHNOLOGY**
HOSPITAL LEAGUE/1199
Academic Advisement and Career Counseling Consortium, $85,000

**AYRAVAINEN, EIJA — HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
Prelude to Success, $96,701

**AYRAVAINEN, EIJA/ZINNANTI, LEONARD — HUNTER COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Admission Office Staffing, $127,464

B

**BAEZ, PEDRO — LEHMAN COLLEGE**
BRONX-WESTCHESTER AREA HEALTH EDUCATION CENTER
Summer Health Professional Academy 2003, $23,617

**BAKALIAN, ANNY/BOZORGMEHR, MEHDI — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
MEMEAC: Middle East and Middle Eastern American Center, $60,000

**BAKER, HARVEY A. — QUEENS COLLEGE**
TRAUMA EMERGENCY RELIEF FOUNDATION
Research into Emotional Freedom Techniques, $3,700

**BALABAN, EVAN — COLLEGE OF STATEN ISLAND**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Prenatal Studies of Species Auditory Differences, $136,146

**BANDOSZ, TERESA — CITY COLLEGE**
FUELCELL ENERGY, INC.
Study of Activated Carbons as Hydrogen Sulfide Adsorbents for Application in Fuel Cells, $7,774
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Characterization and Study of Granular Activated Carbon, $282,145

**BANERJEE, PROBAL — COLLEGE OF STATEN ISLAND**
NEW YORK UNIVERSITY
Depression, 5-HT1A Receptor, and Neuroplasticity, $50,000
NIH-OFFICE OF THE DIRECTOR (NCI)
Phosphatidylserine Translocase and Calcium Channels, $67,363

**BARGONETTI, JILL — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Growth Control Regulated by P53 and MDM2, $228,000

**BARNES—HARRISON, ELENDAR — MEDGAR EVERS COLLEGE**
UNITED WAY
CAPS Wingate Program, $66,800

**BARR, GORDON — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
MIDARP at Hunter College, $560,203
Neurobehavioral Studies of Opiate Drugs in Development, $122,472
VARIOUS PRIVATE SOURCES
Current Issues in Developmental Psychobiology, $13,264

**BARR, GORDON/MCPHIE, ANIKA — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Protein Kinases and Morphine Exposure in Young Rats, $25,178

**BARRIOS, LUIS/MORIN, JOSE LUIS — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
CENTRAL STATE UNIVERSITY
Family and Community Violence Prevention Program, $212,060

**BASU, MITRA — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Intergovernmental Personnel Act (IPA), $119,666

**BATES, MADELAINE/FORMAN, SUSAN — BRONX C. C.**
NATIONAL SCIENCE FOUNDATION
Computer Science, Mathematics, Engineering, and Engineering Technology Scholarships Programs, $199,994

**BAUMSLAG, GILBERT — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Groups with One Defining Relation, $83,127

**BAUMSLAG, GILBERT/CLEARY, SEAN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
New York Group Theory Seminar and Symbolic Computation Workshops, $10,000

**BEARISON, DAVID — GRADUATE SCHOOL**
WILLIAM T. GRANT FOUNDATION
When Treatment Fails, $21,000

**BELTON, ELLEN — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Adult Learning Center, $429,874

**BENENSON, GARY/NEUJAHR, JAMES — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Teaching Technology from Everyday Stuff: Sustaining Professional Development Online, $530,874

**BENTON, NED — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Prison Personnel Salary Recovery, $10,585

**BERGAD, LAIRD — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Support for the Center for Latin American, Caribbean, and Latino Studies, $77,682

**BERGOU, JANOS — HUNTER COLLEGE**
U.S. NAVY
Noise Performance of Quantum Optical Systems: The Effect of Atomic Coherence and Pump Statistics, $85,000

**BERNAL-CARLO, AMANDA — HOSTOS C.C.**
U.S. ARMY
Enhancement of the Teaching Capacity for the Natural Science Department, $57,114

**BERNARDIN, JUNE/THOMAS, RONALD — YORK COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Educational Talent Search Program, $350,063

**BERNICK, ANDREW/VEIT, RICHARD — COLLEGE OF STATEN ISLAND**
HUDSON RIVER FOUNDATION
Black Crowned Night Heron Foraging Ecology in the NYC Area, $13,000

**BERNSTEIN, ANITA/ORR, COLERIDGE — KINGSBOROUGH C. C.**
NYS EDUCATION DEPARTMENT
Library Collection Aid, $14,971

**BERNSTEIN, DEENA — LEHMAN COLLEGE**
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Hearing, Speech, and Language Testing and Therapy, $22,796

**BEVERIDGE, ANDREW — QUEENS COLLEGE**
AMERICAN INSTITUTES FOR RESEARCH
Census 2000 Data and Geographic Location to the ECLS-K Data Set, $43,951
NATIONAL SCIENCE FOUNDATION
Collaborative Research: A Digital Library Collection for Visually Exploring United States Demographic and Social Change, $389,072
NEW YORK TIMES
Census Collaboration, $135,602

**BIRENBAUM, HELEN — GRADUATE SCHOOL**
J.P. MORGAN CHASE FOUNDATION
Support for the Professional Development and Technology Laboratory, $33,300
VARIOUS PRIVATE SOURCES
Technology Learning Center, $400,000

**BITTMAN, ROBERT — QUEENS COLLEGE**
ALBERT EINSTEIN COLLEGE OF MEDICINE
Inhibitors of Mycolic Acid Biosynthesis: M. Tuberculosis, $100,834
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Structural Properties of Membranes, $353,950
PRIVATE ORGANIZATIONS
Mechanisms of Inhibition of Cancer, $550
TEMPLE UNIVERSITY
Orotate Phosphoribosyl Transferase: Structures and Mechanism, $6,869

**BLOCK, ADRIENNE FRIED — GRADUATE SCHOOL**
NATIONAL ENDOWMENT FOR THE HUMANITIES
Music in Gotham: The New York Scene 1863-1875, $6,000

**BLOCK, ADRIENNE FRIED/GRAZIANO, JOHN — GRADUATE SCHOOL**
J.P. MORGAN FOUNDATION
Music in Gotham: The New York Scene 1863-1875, $9,156

**BLOOM, JOYCE — BRONX C. C.**
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
National Youth Sports Program, $84,847

**BLOOMBERG, MICHAEL — COLLEGE OF STATEN ISLAND**
COLLEGE FUND (CUNY MISCELLANEOUS)
Financial Aid, $50,702

**BLOTNER, ROBERTA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYC DEPARTMENT OF EDUCATION
CUNY Substance Abuse Prevention Program, $30,000

**BORESSOFF, TODD/GARDNER, HENRY — BOROUGH OF MANHATTAN C. C.**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $201,603

**BOROD, JOAN — QUEENS COLLEGE**
UNIVERSITY OF COLORADO
Efficacy of Voice Treatment for Parkinson's Disease, $72,756

**BRADFORD, UDA — KINGSBOROUGH C. C.**
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Early Childhood Development, $10,000

**BRAGG, SADIE/HIGGINS, LAURA — BOROUGH OF MANHATTAN C. C.**
NYS EDUCATION DEPARTMENT
SUNY Educational Opportunity Center in Manhattan: VTEA, $98,827

**BRAININ, SEMA — HUNTER COLLEGE**
NYC DEPARTMENT OF EDUCATION
District 4 Collaboration, $7,500

**BRAUN, EMILY — HUNTER COLLEGE**
NEW YORK PUBLIC LIBRARY
Fellow at NYPL Cullman Center, $49,460

**BROMAGE, TIMOTHY — HUNTER COLLEGE**
COLEGIO MARAVILLAS, LASALLE UNIVERSITY
Anthropological Research, $24,975
VARIOUS PRIVATE SOURCES
The Analytical Microscopy and Imaging Center in Anthropology (AMICA) and the Hard Tissue Research Unit (HTRU) Support Program, $800

**BROMBERG, ELEANOR — HUNTER COLLEGE**
NYC — MENTAL RETARDATION & DEVELOPMENTAL DISABILITY
Intensive Management Training Project, $477,276

**BROSTEK, JOSEPH — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Queensborough College Foundation: Special Events, $12,965

**BROWER, DOROTHY — COLLEGE OF STATEN ISLAND**
VARIOUS PRIVATE SOURCES
Networks Special Project, $684,204

**BROWN, HEATHER — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $108,976

**BROWN, JOSHUA — GRADUATE SCHOOL**
NATIONAL ENDOWMENT FOR THE HUMANITIES
The Lost Museum: Exploring Antebellum American Life, $15,000
NYC DEPARTMENT OF EDUCATION
American Social History Program for the Provision of General Professional Development Services, $123,725
OLD YORK FOUNDATION
Lost Museum: Exploring Antebellum American Life and Culture, $15,000
VARIOUS PRIVATE SOURCES
Funded Wages, $215,582

**BROWN, LANCE JAY — CITY COLLEGE**
NATIONAL ENDOWMENT FOR THE ARTS
Harlem Heights Heritage Area, $80,000

**BROWN, MARK — CITY COLLEGE**
U.S. DOD-NATIONAL SECURITY AGENCY
Problem Solving and Probability and Statistics, $190,002

**BROWN, STACY — BROOKLYN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Educational Talent Search Program, $318,056

**BROWN, TED — GRADUATE SCHOOL**
IBM
Faculty Award, $20,000
UMBANET, INC.
Umbanet and ATP, $295,334
VARIOUS PRIVATE SOURCES
NYSTAR Match, $42,039

**BROWN, TED/STROZAK, VICTOR — GRADUATE SCHOOL**
NATIONAL SCIENCE FOUNDATION
The AP Fellows Program: Enhancing Low-Income Urban Students' Participation and Achievement in Advanced Placement Courses, $559,606

**BRUMBERG, JOSHUA — QUEENS COLLEGE**
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Imaging Neural Networks in Mouse Somatosensory Cortex, $165,800

**BRYANT, GREGORY — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYC DEPARTMENT OF EDUCATION
21st Century Community Learning Centers Grant: To Provide After School Services to the Students of Park West High School, $2,779
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $172,060

**BUCKLEY, ROBERT — HUNTER COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
General Support, $13,552
NYC DEPARTMENT OF EDUCATION
Scholarship Program at Hunter College, $25,953

**BUCKLEY, ROBERT/SCHEINBACH, ELLEN — HUNTER COLLEGE**
GENERAL ELECTRIC
General Electric Foundation Scholars Program for Manhattan Center for Science and Mathematics, $105,000

**BUSBY, ALAN/WALLMAN, JOSHUA — CITY COLLEGE**
NIH-NATIONAL EYE INSTITUTE (NEI)
The Role of Visual Stimuli in Emmetropization and Myopia (Clinical Investigator Award: For Promising Medical Students or Faculty Members to Pursue Research Aspects of Areas Applicable to the Unit and Aid in Filling the Gap in These Shortage Areas), $134,492

**BUTLER, RENEE — LAGUARDIA C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
LaGuardia Community College Early Childhood Learning Center Program, $123,849

**BYGRAVE-DOZIER, SANDRA/GUNEID, RIHAB — QUEENSBOROUGH C. C.**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $99,000
Special Legislative Initiative, $13,596

**CAHILL, CAITLIN — GRADUATE SCHOOL**
NYC DEPARTMENT OF PARKS AND RECREATION
Assessment of Vegetation Structure, Management Issues, and Effects of Vegetation in Brooklyn on Air Quality and Atmospheric Carbon Dioxide, $11,515

**CALL, DIANE/KOTKIN, LAURA — QUEENSBOROUGH C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Coordinator of the Port of Entry Program, $310,000
QUEENSBOROUGH COMMUNITY COLLEGE
Support of a Director and Secretary for the Queensborough Community College Art Gallery, $42,000

**CANATE, HUMBERTO — HOSTOS C.C.**
UNIVERSITY OF TEXAS
Proyecto Access, $80,600

**CANATE, HUMBERTO/BIRD-FORTEZA, WILLIAM/TEANO, EDISON — HOSTOS C.C.**
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $70,000

**CANATE, HUMBERTO/MOLINA, CARLOS — HOSTOS C.C.**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative, $10,141

**CARAVANOS, JACK — HUNTER COLLEGE**
MOUNT SINAI HOSPITAL
Educational Program in Occupational Safety and Health, $92,625
Hazardous Substance Academic Training, $61,852
MOUNT SINAI SCHOOL OF MEDICINE
NORA Research Support Associated with the Industrial Hygiene Program, $24,203
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
Environmental Exposure and Effect of Hazardous Chemicals, $25,000

**CARBONELLA, AUGUST — QUEENS COLLEGE**
NYC DEPARTMENT OF EDUCATION
The Queens College and Townsend Harris High School Collaboration, $227,629

**CAREF, ANITA — BROOKLYN COLLEGE**
NYS DEPARTMENT OF LABOR
Adult Literacy Program, $44,200

**CARLIN, MARIANNE — COLLEGE OF STATEN ISLAND**
NYS EDUCATION DEPARTMENT
Course Management Advisement for Computer Technology and Business AAS Students, $234,395

**CARPI, ANTHONY/RINALDI, THERESA—JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
ENVIRONMENTAL PROTECTION AGENCY
EPA Graduate Fellowships for Culturally Diverse Academic Institutions, $9,421

**CARREIRO, JOEL — HUNTER COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Jacob Javits Fellowship, $65,062

**CARTER, RON — LEHMAN COLLEGE**
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
2002 National Youth Sports Program, $60,488
NYS EDUCATION DEPARTMENT
Summer Food Service Program, $1,389
U.S. DEPARTMENT OF AGRICULTURE
USDA Summer Food Service, $17,576

**CATAPANE, EDWARD — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $78,210
Special Legislative Project, $15,108

**CATAPANE, EDWARD/PATWARY, MOHSIN — MEDGAR EVERS COLLEGE**
U.S. AIR FORCE
Department of Biology Undergraduate Scholarship, $40,200

**CATSAMBIS, SOPHIA — QUEENS COLLEGE**
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION
AERA Grants Program, $63,410

**CHAO, DER-LIN — HUNTER COLLEGE**
U.S. DEPARTMENT OF EDUCATION
International Research and Studies, $119,814

**CHARLOP, VIVIAN — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for the Performing Arts Full Time, $394,122
Center for the Performing Arts Part Time, $176,050
NYS DEPARTMENT OF STATE
Colden Center for the Performing Arts, $5,000

**CHAUHAN, BHANU — COLLEGE OF STATEN ISLAND**
U.S. DEPARTMENT OF COMMERCE—ECONOMIC DEVELOPMENT ADMINISTRATION
Visualization and Analysis Tools for Combinatorial and High Throughput Images of Polymer Characterization, $74,066

**CHIACCHERE, LOUIS — OFFICE OF VC — BUDGET & FINANCE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Audit, $25,000

**CHIN, GEORGE — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT**
COLLEGE FUND (CUNY MISCELLANEOUS)
Job Location and Development Program: UAPC, $65,068

**CHIN, GEORGE/AMY, LYDIA—OFFICE OF VC—STUDENT DEVELOPMENT & ENROLLMENT**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Financial Aid Conference, $1,925

**CHIN, MARGARET MAY — HUNTER COLLEGE**
RUSSELL SAGE FOUNDATION
Chinatown After 9/11, $15,000

**CHUDNOVSKY, EUGENE — LEHMAN COLLEGE**
U.S. DEPARTMENT OF ENERGY
Statics and Dynamics of Magnetic Flux in High Temperature Superconductors, $50,000

**CIACCIO, LEONARD — COLLEGE OF STATEN ISLAND**
NYC DEPARTMENT OF EDUCATION
Technical Preparation 02–03, $90,000
NYS EDUCATION DEPARTMENT
Special Legislative Initiative, $16,516
Special Legislative Program: Collegiate Science and Technology Entry Program, $13,047

**CIACCIO, LEONARD/SANDERS, JAMES — COLLEGE OF STATEN ISLAND**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $78,210
Project Discovery, $200,000
Science and Technology Entry Program (STEP): Discovery Institute, $124,000
U.S. DEPARTMENT OF EDUCATION
The College Skills Institute, $149,976
Transition of Teaching Program: Local, $343,264

**CINTRON-NABI, DORIS — CITY COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Bilingual Education: Professional Development, $295,697
Bilingual Teacher Internship Program: A Career Ladder Initiative for Bilingual Paraprofessionals in NYC Public Schools, $250,000

**CISZKOWSKA, MALGORZATA — BROOKLYN COLLEGE**
U.S. NAVY
Polymeric Gels as an Environment for Electro Chemistry, $80,000

**CISZKOWSKA, MALGORZATA/HYK, WOJCIECH — BROOKLYN COLLEGE**
NATIONAL SCIENCE FOUNDATION
Postdoctoral Research Fellowship, $37,200

**CLAYMAN, DEE — GRADUATE SCHOOL**
GLADYS KRIEBLE DELMAS FOUNDATION
Database of Classical Bibliography, $25,000

**CLAYMAN, DEE/PILNEY, COLIN — GRADUATE SCHOOL**
NATIONAL ENDOWMENT FOR THE HUMANITIES
Database of Classical Bibliography, $43,159
SAMUEL KRESS FOUNDATION
Database of Classical Bibliography, $10,000
VARIOUS PRIVATE SOURCES
Database of Classical Bibliography, $1,475

**CLEAR, TODD — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
OPEN SOCIETY
Testing the Coercive Mobility Hypothesis: An Improved Model and Analysis, $20,000

**COGSWELL, MICHAEL — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Louis Armstrong House, $344,424
NYS EDUCATION DEPARTMENT
Louis Armstrong and His Impact upon the American Culture, $2,500
NYS PARKS, RECREATION AND HISTORIC PRESERVATION
Louis Armstrong House and Archives, $2,500
Parks Legislative Initiative Program: Louis Armstrong House and Archives, $2,500

**COHEN, ALICE/KOK, AHMET METE — BOROUGH OF MANHATTAN C. C.**
U.S. DEPARTMENT OF EDUCATION
Minority Science and Engineering Improvement Project, $65,700

**COHEN, BRIAN/RA, MARSHA — OFFICE OF VC — BUDGET & FINANCE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Integrated Library Systems, $17,730

**COHEN, BRIAN/RIBAUDO, MICHAEL — OFFICE OF VC — BUDGET & FINANCE**
APPLE COMPUTER, INC.
Support for Creation and Dissemination of Technology and Educationally Based Media for Intra-Campus Technology Systems Involving CUNY-Wide Administrative Support, $227,065
COLLEGE FUND (CUNY MISCELLANEOUS)
MCI Commission: CUNY Administrative Support: The Creation and Dissemination of Technology and Educationally Based Media for Intra-Campus Technology Systems Involving CUNY-Wide Administrative Support, $139,280
Open Systems Center, $6,200
VARIOUS PRIVATE SOURCES
Purchase of Computer Time, $18,760

**COHEN, DANIEL — GRADUATE SCHOOL**
NATIONAL SCIENCE FOUNDATION
Graduate Fellowship, $96,000

**COHEN, ETHAN—CITY COLLEGE**
NYC DEPARTMENT OF CULTURAL AFFAIRS
New York City Department of Cultural Affairs Public Service Grant, $6,000

**COHEN, LEON — HUNTER COLLEGE**
U.S. AIR FORCE
Signal and Image Processing in Different Representations, $78,301
U.S. DOD-NATIONAL SECURITY AGENCY
Time Frequency/Scale Signal Analysis, $126,924

**COHEN, SHIRLEY — HUNTER COLLEGE**
NYS EDUCATION DEPARTMENT
Develop and Deliver Undergraduate and Inservice Courses Relating to the Education of Students with Autism Spectrum Disorders, $25,000

**COLAROSSI, ANTHONY — KINGSBOROUGH C. C.**
U.S. DEPARTMENT OF EDUCATION
Student Support Services, $223,896

**COLLINS, BILLY — LEHMAN COLLEGE**
VARIOUS PRIVATE SOURCES
Faculty Achievement Award, $7,500

**COLON-PAPA, ZULLY — HUNTER COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Child Care Center, $20,000
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $133,544

**COMMONER, BARRY/MARKOWITZ, STEVEN — QUEENS COLLEGE**
PHILANTHROPIC COLLABORATIVE, INC.
Genetic Engineering, $140,000

**CORBURN, JASON — HUNTER COLLEGE**
CDC-AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY (ATSDR)
Asthma and Hazardous Substances Applied Research and Development: Special Cooperative Investigations and Assessment of Control/Prevention Methods, $100,000
NYC HOUSING AUTHORITY
Asthma Worker Training Project, $52,000
Environmental Cleanup and Remediation Training Program for Residents of 42 of NYCHA's Upper Manhattan Developments Made Possible Through the Economic Development and Supportive Service Program, $64,500
NYC HUMAN RESOURCES ADMINISTRATION
Needed at Home Asthma Program, $10,800

**CORBURN, JASON/KOTELCHUCK, DAVID — HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
Hazardous Waste Worker Training, $47,363

**CORRADETTI, ARTHUR/KHAN, ROBERT — QUEENSBOROUGH C. C.**
HUDSON VALLEY
Verizon Next Step Program, $21,108

**CORRENTI, WILLIAM — KINGSBOROUGH C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Kingsborough Community College Association, $459,424
GREENTREE FOUNDATION
Middle School Project, $200,000
NYC CITY COUNCIL
Alcohol and Substance Abuse Prevention: Kingsborough's Positive Alternative to Substance Abuse, $250,000
NYC DEPARTMENT OF EDUCATION
Pell Grant Administration, $47,200
NYS DEPARTMENT OF HEALTH
Health Support Staff/Management Computer Training Initiative: Health Workforce Retraining Initiative Grant Program, $582
NYS EDUCATION DEPARTMENT
Carl D. Perkins Vocational and Technical Education Act, $890,035
Literacy Enhancement Project, $232,500
VETERANS ADMINISTRATION
Annual Reporting Fees, $666

**CORRENTI, WILLIAM/MARSHALL, EMILY MACK — KINGSBOROUGH C. C.**
GREENTREE FOUNDATION
After School Tutorial Program, $200,000
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $50,000
SUMITOMO BANK GLOBAL FOUNDATION, INC.
After School Tutorial Program, $16,000

**CORRENTI, WILLIAM/PERO, LAWRENCE — KINGSBOROUGH C. C.**
NYC DEPARTMENT OF EDUCATION
Tutoring Services for Students in Brooklyn High Schools, $22,000

**COUTURE, JOSEFINA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. DEPARTMENT OF EDUCATION
Talent Search Program: TRIO Talent Search, $361,804

**COUZIS, ALEXANDER — CITY COLLEGE**
NASA
Aqueous Spreading on Hydrophobic Surfaces, $99,356

**COWIN, STEPHEN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
RCN: Communications Media for Mineralized Tissue Research, $93,570
U.S. DEPARTMENT OF EDUCATION
Graduate Training in Mathematical Modeling of Biological Systems, $115,668
WHITAKER FOUNDATION
Tissue Mechanics, $49,944

**CRACOVIA, THOMAS — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Continuing Education Full Time, $1,493,009
Continuing Education Part Time, $198,362

**CRANGANU, CONSTANTIN — BROOKLYN COLLEGE**
AMERICAN CHEMICAL SOCIETY
Capillary Sealing in the Anadarko Basin, $40,000

**CREANGE, DANIEL/RIOS, ED — CITY COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Finance and Administration at CCNY for Tuition and Fees, $10,586

**CUCCHAIARA, ANTHONY — BROOKLYN COLLEGE**
NEW YORK METRO REFERENCE AND RESEARCH LIBRARY
Documentary Heritage Program: An Archival Survey of the Records of the Jamaican and Trinidadian Communities, $54,800

**CUMMINS, HERMAN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Experimental Studies of the Liquid-Glass Transition, $172,000

**CUNNINGHAM, JULIE — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Library, $46,418

**CURCIO, FRANCES — QUEENS COLLEGE**
HORIZON RESEARCH, INC.
Assessing Teachers' Mathematical and Pedagogical Knowledge, $3,000
NYC DEPARTMENT OF EDUCATION
Evaluation of District 2 (NSF Teacher Enhancement), $112,500

**CURRAH, PAISLEY — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Center for Lesbian and Gay Studies, $55,768

**CURRAN, JAMES/HAIRSTON, DEBRA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Hungary: FBI Special Programs, $168,559
NYC POLICE DEPARTMENT
Emergency Psychology Technician Training Program, $50,000

**CYRIL, JANET — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
CUNY CATCH Program: CUNY Alliance for Transitional Career Help, $300,000

**CYRIL, JANET/FARRELL, SAMUEL — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
Carl D. Perkins VATEA Incarcerated Programs, $25,000

**CYRIL, JANET/GILBERTO, LINDA — LAGUARDIA C. C.**
NYC DEPARTMENT OF CORRECTION
Inmate Education Program, $559,438

**CZARNOCHA, BRONISLAW/PRABHU, VRUNDA — HOSTOS C.C.**
NATIONAL SCIENCE FOUNDATION
Introducing Indivisibles into Calculus Instruction, $136,186

**DAIUTE, COLETTE/FINE, MICHELLE — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Social Justice and Social Development, $10,000

**DANNENBERG, JOSEPH — HUNTER COLLEGE**
AMERICAN CHEMICAL SOCIETY
Molecular Orbital Studies of the Effects of Hydrogen-Bond Cooperativity upon the Secondary Structure of Polypeptides, $48,000

**DANVERS, MICHELLE — BRONX C. C.**
U.S. DEPARTMENT OF EDUCATION
Upward Bound Program, $408,398

**DAVILA, SUSANA/RUIZ, SANDRA — HOSTOS C.C.**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $82,895

**DAVIS, RICHARD — COLLEGE OF STATEN ISLAND**
NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)
In Vivo Analysis of SL Addition in Ascaris Embryos, $521,375
UNIVERSITY OF PENNSYLVANIA
Development of Molecular Genetics Tools for Parasitic Helminths, $141,300

**DE GAETANO, YVONNE — HUNTER COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Bilingual Education, $197,475

**DE GAETANO, YVONNE/ZUAZUA, GLORIA — HUNTER COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Bilingual Education Professional Development: Effective Teaching for English Language Learners, $245,687

**DEAUX, KAY — GRADUATE SCHOOL**
NEW YORK UNIVERSITY
Social Identity in Context, $41,467
Social Identity in Context: Behavioral Engagement and Institutional Commitment, $77,315

**DeJESUS, JOSEPH/SARAVIA-SHORE, MARIETTA — LEHMAN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $1,596,800

**DELALE, FERIDUN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Curriculum Reform of the Mechanical Engineering Program at City College, $99,999

**DELLAPINA, MARIO — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Office of the Vice President, $112,033

**DENN, MORTON — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
IGERT: Multiscale Phenomena in Soft Materials, $742,000
Size-Scale Sensitivity in Multiphase Systems with a Liquid Crystalline Phase, $104,963

**DENN, MORTON/ACRIVOS, ANDREAS — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Research Equipment: Rheometer, $81,667

**DEVINE, BILL — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYS DIVISION OF CRIMINAL JUSTICE SERVICES
Police Studies Project, $43,289
To Improve Police Service Through Relevant Continuing Professional Education at the College Level, $207,500

**DEYCH, LEV/LISYANSKY, ALEXANDER — QUEENS COLLEGE**
U.S. AIR FORCE
Bragg Multiple Quantum Wells: Tunable Cavities for Optoelectronic Application, $204,359

**DIBELLO, LIA — GRADUATE SCHOOL**
NYC TRANSIT AUTHORITY
Conceptual Training for Midas, $119,251
NYS METRO-NORTH COMMUTER RAILROAD
Conceptual Training and Cognitive Agreement, $101,265

**DIEM, MAX — HUNTER COLLEGE**
NIH-NATIONAL CANCER INSTITUTE (NCI)
Infrared Microspectroscopy for CERV, $412,432

**DIGBY, ANNETTE/FERNANDEZ, RICARDO/ROTHSTEIN, ANNE — LEHMAN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Distance Learning: Technology Initiative to Connect Pre-Service Teachers with Experienced Classroom Teachers, $440,000

**DIGBY, ANNETTE/POLIRSTOK, SUSAN — LEHMAN COLLEGE**
NYC DEPARTMENT OF EDUCATION
Scholarship Program at Lehman College, $2,230

**DIVALE, WILLIAM — YORK COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Program at York College, $338,699

**DIYAMANDOGLU, VASIL — CITY COLLEGE**
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Provide Detailed Instructions, Laboratory Demonstration and Skills Training, Archive Services to DEP Employees in Water Plant Operator Training Program, $92,127
NYC DEPARTMENT OF SANITATION
New York City Reusable Solid Waste Materials Exchange Matchmaking Project, $250,000

**DOBROF, ROSE/GILBERTO, PASQUALE—HUNTER COLLEGE**
FLORENCE BURDEN FOUNDATION
Advanced Placement Seminar, $5,000

**DOMINGO, JANNETTE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Program, $260,464

**DORSINVILLE, ROGER/WALSER, ARDIE — CITY COLLEGE**
LAWRENCE LIVERMORE NATIONAL LAB
Two Photon Absorption Spectroscopy and Imaging of Glasses and Crystals, $35,040

**DOTTIN, ROBERT — HUNTER COLLEGE**
BROWN UNIVERSITY
Leadership Alliance, $27,500
COLLEGE FUND (CUNY MISCELLANEOUS)
RCMI/Gene Center Matching Funds, $300,000

**DOWNING, ARTHUR/BIDDLE, STANTON F. — BARUCH COLLEGE**
NYS EDUCATION DEPARTMENT
State Grant for Library Collection Development, $17,427

**DRAIN, CHARLES MICHAEL — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Hierarchical Self-Assembly and Characterization of Photonic Materials, $111,550

U.S. DEPARTMENT OF COMMERCE-NATIONAL INSTITUTE OF STANDARDS & TECHNOLOGY
FY 2003 Summer Undergraduate Research Fellowship CSTL, $6,800

**DRAIN, CHARLES MICHAEL/GOLDBERG, ISRAEL — HUNTER COLLEGE**
U.S. - ISRAEL BINATIONAL SCIENCE FOUNDATION
Supramolecular Assembly of Large Multiporphyrin Arrays Towards New Functional Structures and Materials, $17,225

**DUDA, DESIREE — LAGUARDIA C. C.**
ROCHESTER INSTITUTE OF TECHNOLOGY
Post-Secondary Education Programs for Individuals Who Are Deaf, $91,049

**DYASI, HUBERT/GOLDSTEIN, ELLEN — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
Teacher/Leader Quality Partnerships, $164,764

**ECKHARDT, LAUREL — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES (NIAID)
Gene Expression in Myeloma Cells, $298,500

**ECKHARDT, RONALD — BROOKLYN COLLEGE**
NYS EDUCATION DEPARTMENT
Recruitment and Enrollment of Undergraduates, $10,008
Science and Technology Entry Program (STEP), $69,080

**EDWARDS, LINDA/BAUER-MAGLIN, NAN — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Bachelor of Arts/Bachelor of Science Program, $31,916

**EGBE, EMMANUEL — MEDGAR EVERS COLLEGE**
NYC DEPARTMENT OF TRANSPORTATION
Transportation and Job Access for Low Income and Public Assistance Users, $157,601

**EHLSCHLAEGER, CHARLES — HUNTER COLLEGE**
U.S. ARMY
Long Term Ecosystem II Monitoring and Change Detection for the Southeast Sand Hills Ecosystem, $24,023
Meta Data and Technology Transfer for the Southeast Sand Hills Ecosystem, $18,868
Noise Location Algorithm, $24,795

**EHRI, LINNEA — GRADUATE SCHOOL**
U.S. DEPARTMENT OF EDUCATION
Guided Repeated Oral Reading of Text: Effects of Word Enrichment for Struggling Readers, $129,966

**EISENSTEIN, HESTER/MARRONE, CARMELLA — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Women and Work Program, $13,680

**EISMAN, LAWRENCE — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Queens College Department Services Fund: Music, $200,600

**ELLIOTT, RICHARD — LAGUARDIA C. C.**
VARIOUS PRIVATE SOURCES
LaGuardia's Charter High Schools Project, $263,288

**ENGEL, ROBERT — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Photonics and Biosciences Initiative, $300,000
JOHNSON & JOHNSON
Development of Antibacterial Antifungal Surfaces for Wound Dressing, $21,247
STREM CHEMICALS, INC.
Ionic Liquid Analysis, $4,354

**ENGELBERG, DON/BIEBER, AMY — QUEENSBOROUGH C. C.**
NATIONAL SCIENCE FOUNDATION
Queensborough Community College Techascend Program, $369,926

**EPSTEIN, CYNTHIA/SAUTE, ROBERT — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Public Interest Law Project, $46,000

**ERICKSON, KENNETH/MARKOVITZ, IRVING — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Journal of Comparative Politics, $35,618

**ESHEL, DAN — BROOKLYN COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Signaling Pathways and Microtubule Function, $146,665

**ESPARZA, MARCIA - JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
PRIVATE ORGANIZATIONS
Historical Memory Project, $7,000

**FALK, BEVERLY — CITY COLLEGE**
AMERICAN EDUCATIONAL RESEARCH ASSOCIATION
Teaching the Way Children Learn, $25,000

**FALK, WENDY — NYC COLLEGE OF TECHNOLOGY**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $155,462

**FARISELLI, UGO — LEHMAN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Tuition and Fees Collections, $28,004

**FELDMAN, NANCY — HUNTER COLLEGE**
MARION E. KENWORTHY-SARAH A. SWIFT FOUNDATION
Inner City Youth as Researchers of Their Social and Emotional Development, $10,360

**FENG, JIMMY — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: A Fluid-Mechanical Study of the Processing of Self-Reinforced Polymer Composites, $100,000
SGER: Orientational Coupling Between Solid Particles and a Liquid Crystalline Matrix, $91,368

**FERNANDEZ, DOLORES/ACQUAH, KENNETH — HOSTOS C.C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Institutional Advancement, $242,199

**FIELDS, DAVE — CUNY LAW SCHOOL — QUEENS COLLEGE**
VARIOUS PRIVATE SOURCES
CUNY Law School, $165,000
COLLEGE FUND (CUNY MISCELLANEOUS)
Central Office Miscellaneous Income, $32,000

**FIELDS, DAVE/WILLIAMS, WILLIAM — CUNY LAW SCHOOL — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Child Care, $136,000

**FIGUEIREDO-PEREIRA, MARIA — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)
Ubiquitinated Protein Degradation and Neurodegeneration, $283,690

**FILBIN, MARIE — HUNTER COLLEGE**
NATIONAL MULTIPLE SCLEROSIS SOCIETY
Blocking the Inhibition of Axonal Regeneration by MAG/Myelin (Myelin Associated Glycoprotein), $188,266
NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)
Role of Myelin in Spinal Cord Regeneration, $320,625
Specialized Neuroscience Research Program (SNRP) at Hunter College, $1,531,089
NYS DEPARTMENT OF HEALTH
Spinal Cord Injury Research Program, $69,974

**FILLOS, JOHN — CITY COLLEGE**
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Long Term Monitoring and Process Optimization of Step-Feed BNR Facilities in New York City WPCPS, $2,725,057

**FISH, MARIAN — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Comparative Evaluation, $1,354

**FLETCHER, DAVID — LEHMAN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Bronx Community Technology Centers Network, $300,000

**FLUGMAN, BERT— GRADUATE SCHOOL**
CON EDISON
Project STIR, $5,000
INSTITUTE FOR SCHOOLS OF THE FUTURE
Institute for Schools of the Future, $37,513
NYS OFFICE OF MENTAL HEALTH
Management Training Curriculum Development for Sergeants and Chiefs, $199,226
PFIZER
Support of Project STIR, $25,000
VARIOUS PRIVATE SOURCES
Project STIR, $30,272

**FOCARILE, JAMES — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Martin E. Segal Theatre Center, $196,651

**FOCARILE, JAMES/WILSON, EDWIN — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Martin E. Segal Theatre Center, $28,433

**FONT, MAURICIO — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Bildner Center Payroll, $43,882

**FOSNOT, CATHERINE/CAMERON, ANTONIA — CITY COLLEGE**
NYC DEPARTMENT OF EDUCATION
Local Systemic Initiative Grant, $84,864
VARIOUS PRIVATE SOURCES
Mathematics in the City: Mathematics Education at CCNY, $41,800

**FOSNOT, CATHERINE/HERSCH, SHERRIN — CITY COLLEGE**
NYC DEPARTMENT OF EDUCATION
Mathematics in the City: Professional Development Workshops to Reform Math Education of Teachers in Manhattan, $238,100

**FOSNOT, CATHERINE/ZOLKOWER, BETINA/HERSCH, SHERRIN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Mathematics in the City, $870,322

**FOSTER, DAVID — HUNTER COLLEGE**
NIH-OFFICE OF THE DIRECTOR (NCI)
Mitogenic Signaling Through RAL A and Phospholipase D, $306,559

**FRANCESCONI, LYNN/GOSS, DIXIE— HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
CUNY X-ray Facility, $5,175

**FRANCK, RICHARD — HUNTER COLLEGE**
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
500 mHz NMR Spectrometer, $500,000
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
C-Glycosides Via the Ramberg-Backlund Reaction, $293,891

**FRANCK, RICHARD/SOLL, CLIFF — HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
Mass Spectrometer, $1,605

**FREUDENBERG, NICHOLAS— HUNTER COLLEGE**
HRSA-DIVISION OF DENTAL HEALTH PROGRAMS
Public Health Traineeship, $9,964
NEW YORK ACADEMY OF MEDICINE
Develop and Testing of a Model for Understanding the Social Determinants of Substance Abuse in Harlem, $76,516
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Replication of Health Link Model Program for Men Remanding to the New York City Department of Corrections, $47,000
ROBERT WOOD JOHNSON FOUNDATION
Health Link Year 5/5: Support of the Implementation of a Community Reintegration Model to Reduce Substance Abuse Among Jail Inmates, $28,118

**FREUDENBERG, NICHOLAS/KRAUSS, BEATRICE — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
Impact/HIV Intervention/Adolescent Males Leaving Jail, $623,649
OPEN SOCIETY
NYC Community Reintegration Project, $150,000

**FRICK, CHARLOTTE — GRADUATE SCHOOL**
U.S. DEPARTMENT OF EDUCATION
Fulbright-Hays Overseas Doctoral Dissertation, $36,062

**FRIEDMAN, EITAN — CITY COLLEGE**
JOHNSON & JOHNSON
Effects of Topiramate on Protein Kinase C Activation and Neuronal Protein Phosphorylation: Implication for the Treatment of Bipolar Affective Disorders, $132,525
PAIN THERAPEUTICS, INC
Assessment of G-Protein Coupling and Signaling of the MU Opioid Receptor in Morphine Naive and Morphine Tolerant Rats Using Receptor Stimulation by Morphine vs. Morphine + Naloxone, $35,844

**FRIEDMAN, HERSHEY H. — BROOKLYN COLLEGE**
EWING MARION KAUFFMAN FOUNDATION
2003 Kauffman Collegiate Entrepreneurship Network, $24,300

**FRIEDMANN, ERIKA — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Summer Courses Involving Health Programs and Issues on Growing Up Healthy in New York, $69,790
UNIVERSITY OF MARYLAND
Psychosocial Factors Outcome Study in Sudden Cardiac Death, $57,767

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**GALVIN, SEAN — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $255,500

**GAMBLE, MADELEINE — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
Special Legislative Project, $13,080

**GAMBLE, MAE — HUNTER COLLEGE**
NYC DEPARTMENT OF EDUCATION
Teacher Mentoring Program: Accelerated School Programs, $45,000
NYS EDUCATION DEPARTMENT
Teacher Opportunity Corps (TOC), $71,001

**GAO, PATRICK — YORK COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Student Support Services, $346,289
York Enrichment Services for Students with Disabilities, $255,079

**GAO, PATRICK/SCHWARTZ, ROBERT — YORK COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Program, $227,803

**GARNETT, KATHERINE — HUNTER COLLEGE**
DIVISION OF LEARNING DISABILITIES
Learning Disabilities Newsletter, $2,952

**GAWKINS, ANNE — NYC COLLEGE OF TECHNOLOGY**
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $99,000

**GAWKINS, ANNE/SILVERMAN, LINDA — NYC COLLEGE OF TECHNOLOGY**
NYS EDUCATION DEPARTMENT
Tech-Prep Perkins III (VATEA), $180,000

**GAYEN, SWAPAN — CITY COLLEGE**
U.S. NAVY
Time-Resolved Optical Polarization, $145,370

**GAZZOLA, JUDITH — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
Creation of a Professional Development Center, $1,271,980

**GENACK, AZRIEL — QUEENS COLLEGE**
NATIONAL SCIENCE FOUNDATION
Statistics of Electromagnetic Propagation and Localization, $110,000
U.S. ARMY
Electromagnetic Propagation, Localization, and Lasing in Random and Periodic Media, $75,000

**GERBER, JANE — GRADUATE SCHOOL**
SUMMER TEACHER TRAINING INSTITUTE
Summer Teacher Training Institute in Sephardic Studies, $24,780
VARIOUS PRIVATE SOURCES
Center for Jewish Studies, $8,319

**GERBER, SIMA — QUEENS COLLEGE**
BAMFORD-LAHEY CHILDREN'S FOUNDATION
Visual Reality: Illustrating the Application of Developmental Language Models to Language Intervention with Young Children, $20,000

**GERRY, CHRISTOPHER/CAMPOS, RICHARD — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
RUI: An Investigation of Schemes for the Generation of Maximally Entangled Photonic States, $20,000

**GERSTLE, DONNA — COLLEGE OF STATEN ISLAND**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative: Staten Island Air Pollution and Respiratory Disease Study, $35,000

**GERTNER, IZIDOR/WEI, JIE — CITY COLLEGE**
U.S. NAVY
Moving Object Detection, Identification, and Tracking, $134,000

**GERWIN, DAVID — QUEENS COLLEGE**
NYC DEPARTMENT OF EDUCATION
Enlivening American History Through Primary Sources, $200,707
Professional Development and Direct Services in Cultural Diversity, $39,875

**GHOSN, MICHEL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Digital Representation of Structural Response for the Reliability Assessment of Complex Systems, $239,929

**GIGLIOTTI, EILEEN — COLLEGE OF STATEN ISLAND**
AMERICAN NURSES FOUNDATION
Maternal Student Role Stress During Concurrent Transitions, $6,959

**GILBERTO, LINDA — LAGUARDIA C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
LaGuardia Community College Program Development, $338,369

**GILBERTO, PASQUALE — HUNTER COLLEGE**
DEKAY FOUNDATION
Dekay Program, $102,851
JAMES N. JARVIE COMMONWEALTH
Staff Position in Development and Marketing, $30,000
NEW YORK COMMUNITY TRUST
Certificate Program in Professional Geriatric Care Management, $35,000
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Adult Care Facility Training Resource System, $1,075,713
NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE
Homeless Training Resource System, $308,556
RAMAPO TRUST
Public Education Program, $255,000
VARIOUS PRIVATE SOURCES
Brookdale Center on Aging: Advanced Placement Seminar to Provide Improved Quality of Social Service to Older People Through Enrichment and Enhancement of the Education of Practicing Students, $7,000
Brookdale Center on Aging Program Support, $206,989
Brookdale Center on Aging: Humanities Special Funds, $54,480
Law Institute: General Funds, $325,453
Respite Program: General Funds, $505
Special Funds for Minority Programs, $51,905
Training Program: Special Funds, $183,393

**GILBERTO, PASQUALE/BASTINGS, ANNE — HUNTER COLLEGE**
FAN FOX AND LESLIE R. SAMUELS FOUNDATION, INC.
Time Slips, $15,000

**GILBERTO, PASQUALE/DOBROF, ROSE — HUNTER COLLEGE**
NEW YORK UNIVERSITY
Grants for Geriatric Education Centers, $47,136

**GILCHRIST, LANE — CITY COLLEGE**
U.S. ARMY
Biologically Based Self-Assembled Monolayers: Multifunctional Nanostructured Surfaces from Proteins, $360,565

**GITTELL, MARILYN — GRADUATE SCHOOL**
FORD FOUNDATION
Assessing Community Change, $300,000
VARIOUS PRIVATE SOURCES
Howard Samuels State Management and Policy Center, $173,589

**GLOBENFELT, JACK — LEHMAN COLLEGE**
LEHMAN PERFORMING ARTS CENTER
Lehman College Center for Performing Arts, $135,867

**GOLDBERG, MARK — HUNTER COLLEGE**
CENTER TO PROTECT WORKERS RIGHTS
Blueprint for Integrating Health Hazard Controls in Construction: Intervention Research Project, $61,197

**GOLDSMITH, VICTOR — HUNTER COLLEGE**
U.S. DEPARTMENT OF JUSTICE
Project Safe Neighborhoods Research Partner/Crime Analyst Program, $149,991

**GOMES, HILARY — CITY COLLEGE**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Attention in Children with Language Impairments, $265,895

**GOODMAN, HARRIET — HUNTER COLLEGE**
NYC HUMAN RESOURCES ADMINISTRATION
Human Services Videoconferencing/Distance Learning System Project, 938,000
RESEARCH FOUNDATION/SUNY
Development of a Curriculum for a Faculty-Led Advanced Seminar in Field Instruction/Supervision: Implementation of Neighborhood-Based Services, $50,000

**GOODMAN, JACOB — CITY COLLEGE**
U.S. DOD-NATIONAL SECURITY AGENCY
Problems in Discrete Geometry, $23,773

**GOSS, DIXIE — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Effects of Poly (A) Binding Protein on Translation Control, $135,000

**GOSSER, DAVID/BRENNAN, THOMAS — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Pathways to Interdisciplinary Science, Engineering, and Mathematics, $599,984

**GOSSER, DAVID/STROZAK, VICTOR — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
PLTL National Dissemination: Building a National Network, $794,386

**GOTTLIEB, MARLENE — LEHMAN COLLEGE**
NEW VISION FOR PUBLIC SCHOOLS
New Vision for Public School: Bronx High School of Music, $72,000

**GOTTLIEB, PAUL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: Integrated Study and Research in Virology, $103,843

**GRANT, HEATH — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
PRIVATE ORGANIZATIONS
Policy Lab, $13,750

**GRASSMAN, JEAN — BROOKLYN COLLEGE**
U.S. CIVILIAN RESEARCH AND DEVELOPMENT FOUNDATION
An Epidemiological Study Examining the Impact of Exposure to Combustion Products Formed During the 1992 "Irkutskcable" Fire upon the Health of "Shelekov" Firefighters, $10,810

**GRAZIANO, ROBERTA — HUNTER COLLEGE**
JAMES N. JARVIE COMMONWEAL SERVICE
Aging and Health Work Study MSW Program, $20,000
VARIOUS PRIVATE SOURCES
Aging and Health Program, $10,000

**GRAZIANO, ROBERTA/SALMON, ROBERT — HUNTER COLLEGE**
JOHN A. HARTFORD FOUNDATION, INC.
Aging and Health Work Study MSW Program, $20,000

**GREEN, MARCIA — YORK COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
York College Staff Account, $21,532

**GREEN, MARCIA/MORALES, GEORGE/TAYLOR, ANYA — MEDGAR EVERS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Continuing Education Research Fund: Past Due Tuition and Fee Collection, $56,135

**GREENBAUM, STEVEN — HUNTER COLLEGE**
JET PROPULSION LABORATORY
Nuclear Magnetic Resonance Evaluation of Advanced Solid Polymer Electrolytes, $35,000
NATIONAL SCIENCE FOUNDATION
Past, Present, and Future Successes, $10,000U.S. AIR FORCE
Solid State NMR Studies of Polymer Nanocomposites, $61,920
U.S. NAVY
Spectroscopic Studies of Fuel Cell Membranes and Catalysts, $79,835

**GREENBAUM, STEVEN/DENBOER, MARTEN — HUNTER COLLEGE**
U.S. DEPARTMENT OF ENERGY
Spectroscopic Studies of Lithium Battery Materials, $190,000

**GREENBAUM, STEVEN/POLENOVA, TATYANA — HUNTER COLLEGE**
U.S. ARMY
500 mHz Solid State NMR Studies of Polymer, $50,000

**GREENBERG, NAOMI — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $84,250
Special Legislative Initiative, $11,434

**GREENE, MICHELE — BROOKLYN COLLEGE**
CORNELL UNIVERSITY
Patient-Health Professional Communications, $10,000

**GRESIK, EDWARD — CITY COLLEGE**
NIH-NATIONAL INSTITUTE OF DENTAL RESEARCH (NIDR)
Regulation of Branching Morphogenesis of Salivary Gland, $239,625

**GROSS, CAROL — BROOKLYN COLLEGE**
NYS EDUCATION DEPARTMENT
Teacher Opportunity Corps (TOC), $32,308

**GROSS, JILL — HUNTER COLLEGE**
NYC ECONOMIC DEVELOPMENT CORPORATION
Study of Digital Technology and Local Economic Development in NYC Through the Lens of the Digital NYC Project, $16,000

**GUINTA, LOUIS — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYC DEPARTMENT OF CORRECTION
Adult Educational Program for Inmates in Department of Correction Facilities, $112,374
NYS EDUCATION DEPARTMENT
Perkins III Supplemental Fund, $853,488

**GUNNER, MARILYN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Importance of Buried Charges in Protein, $280,000
US/France Cooperative Research: Investigation of the Role of the Iron Metal in the Interquinone Electron Transfer in Bacterial Reaction Centers, $16,000
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Hemecu Oxidase: Calculated Electron and Proton Transfers, $315,221

**GURA, TIMOTHY/SILMAN, SHLOMO — BROOKLYN COLLEGE**
ARISIL INSTRUMENTS, INC.
Non-Surgical Management of Otitis Media, $172,000

**GURLAND, GAIL/PIERAS, GUILLERMO — BROOKLYN COLLEGE**
NYC DEPARTMENT OF EDUCATION
Training Program for Bilingual Special Education Personnel Speech Pathology, $10,730

**GUYDEN, JERRY — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
The Relationship Between Thymic Nurse Cells and Macrophages During MHC Restriction, $140,000

**HABERFELD, MARIA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
TRAUBNER INTERNATIONAL
Integrity and Ethics Training, $4,000

**HABIB, IBRAHIM — CITY COLLEGE**
NORTEL NETWORKS TECHNOLOGY CORPORATION
Optical Control Plane Tradeoffs, $113,377

**HAINLINE, LOUISE — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Photonics and Biosciences Renovations Initiative, $596,115
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Biomedical Research Training for Minority Honor Students, $153,684
Gatekeepers and Roadblocks: Increasing URM Student Success, $415,942

**HAIRSTON, DEBRA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
RESEARCH FOUNDATION/SUNY
Public Service Workshops Program, $17,450

**HALPERIN, JEFFREY — QUEENS COLLEGE**
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Heterogeneity of ADHD: Predictors of Adolescent Outcome, $373,507

**HAMMOND, FREDERICK/FINNEN, MARY — BARUCH COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Establish and Determine State-of-the-Art Monetary and Administrative Transaction Specifications for Baruch College Bursaring System with the Assistance of the NSS Corporation, $30,712

**HANGES, NICHOLAS — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
International: US/Brazil Cooperative Research, $26,640

**HARALICK, ROBERT — GRADUATE SCHOOL**
LONG ISLAND JEWISH MEDICAL CENTER
Study on Acute Asthma, $6959
RAYTHEON COMPANY
Design, Test, Implementation, and Documentation of Algorithms for Extracting Morphological Features from Three-Dimensional Data, $112,500

**HARFORD, TOM — CITY COLLEGE**
NYS DEPARTMENT OF LABOR
Education for Gainful Employment, $104,369
NYS EDUCATION DEPARTMENT
21st Century Community Learning Center Program, $75,000
Family, Adult, and Workplace Literacy Program, $380,976
RESEARCH FOUNDATION/SUNY
Public Service Workshops Program, Rockefeller College, University at Albany (SUNY), $20,100

**HARRIS, WILLIAM C. — MEDGAR EVERS COLLEGE**
PARAGON TEC, INC.
Science, Engineering, Mathematics and Aerospace Academy, $150,000

**HARWOOD, TIMOTHY — HUNTER COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Sylvia and Danny Kaye Playhouse, $231,716

**HAWKINS, EILEEN/YANG, CATHERINE — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Construction Fund, $1,686,650

**HAYES, THEODORE/SANUDO, MANUAL — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Elections, $6,105

**HECHT, DEBORAH — GRADUATE SCHOOL**
ALBION CENTRAL SCHOOL DISTRICT
Learn to Serve with Character, Moving from Knowledge to Action, $120,537
CITIZENS COMMITTEE FOR NYC, INC.
Young Citizens Center Project, $24,000
EAST MEADOW UNION FREE SCHOOL DISTRICT
Dr. Hecht's Service Learning Center, $15,669

**HELLMAN, RONALD — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
The Program on United States/Mexico Relations, $17,150

**HEMMING, NICHOLAS GARY - QUEENS COLLEGE**
CALIFORNIA STATE UNIVERSITY NORTHRIDGE
Analyses of Strontium Isotopes, $5,014

**HENDERSON, ANN — HUNTER COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Neuroscience Lab, $150,000
Photonics Lab, $150,000

**HERMAN, GABOR — GRADUATE SCHOOL**
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Image Processing in Biological 3D Electron Microscopy, $312,500

**HERNANDEZ, RAMONA — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
CUNY Dominican Studies Institute, $100,000
Documentary Heritage Program, $3,274

**HILL, OTIS — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT**
CUNY STUDENT SENATE
USG 2002: Scholarship, $47,068

**HILL, OTIS/NORD, ROBERTA — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Athletics Conference, $206,414
CUNY STUDENT SENATE
USG 2002: Athletic, $30,857

**HILL, OTIS/THOMAS, SHEILA — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT**
CUNY STUDENT SENATE
USG 2002: General, $329,844

**HILLERY, MARK — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Programmable Quantum Processors, $42,000

**HOELTZEL, SUSAN — LEHMAN COLLEGE**
GREENTREE FOUNDATION
Workshop in Curriculum Materials Development: Museum and Artists in the Classroom, $3,746
LEHMAN ART GALLERY
Lehman College Art Gallery, $163,721

**HOFFMAN, CHUCK — NYC COLLEGE OF TECHNOLOGY**
LADIES COMMITTEE FOR PUERTO RICAN CULTURE
Limited English Proficiency Initiative, $3,723
NYS EDUCATION DEPARTMENT
Support Services for Adult Non-Credit Vocational Programs, $1,352,731
RESEARCH FOUNDATION/SUNY
Bridge X, $77,993

**HOFFNER, ALAN/BREEN, JEFFREY — COLLEGE OF STATEN ISLAND**
COLLEGE FUND (CUNY MISCELLANEOUS)
Veteran's Report Fees, $672

**HOGG, LESLEIGH — BRONX C. C.**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program 2001, $148,560

**HONIG, MARJORIE — HUNTER COLLEGE**
INTERNATIONAL LONGEVITY CENTER, USA
Research in Areas of Health and Labor Economics, $10,000

**HOPE, WILBERT — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
VATEA III Technical Preparation, $100,000

**HOWARD, CHRISTINE — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Educational Placement, $29,329

**HUANG, ZHEN — BROOKLYN COLLEGE**
GLEN RESEARCH CORPORATION
Synthesis of Selenium-Derivatized Nucleoside Phosphoramidites, Triphosphates and Nucleic Acids for X-ray Crystallography, $11,220

**HUBBARD, KAREN — CITY COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Type 2: MBRS/SCORE Program at CCNY, $1,210,734

**HUDESMAN, JOHN — NYC COLLEGE OF TECHNOLOGY**
U.S. DEPARTMENT OF EDUCATION
A Comprehensive Cognitive Skills Academy for Associate Degree Freshmen, $168,509

**HUM, TARRY — QUEENS COLLEGE**
FORD FOUNDATION
Global Neighborhoods in a Majority Minority City: A Comprehensive Study of Four Neighborhoods, $150,000
NEW YORK REGIONAL ASSOCIATION OF GRANTMAKERS
September 11th Disaster Response Seminar, $7,500

**HUNT, BENJAMIN/GILBERTO, LINDA — LAGUARDIA C. C.**
U.S. DOD-DEFENSE LOGISTICS AGENCY
Procurement Technical Assistance, $98,564

**IMMERWAHR, STEPHEN — BARUCH COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
CAP Rockaways Health Alliance, $17,500
United Way Survey, $31,250

**IRGANG, VICKI — BROOKLYN COLLEGE**
NYC DEPARTMENT OF EDUCATION
Professional Development Courses for Central and CSD Professional Developers, Teachers, Supervisors, School Leadership Teams and Superintendents, $26,400

**IRISH, GEORGE — MEDGAR EVERS COLLEGE**
NYC DEPARTMENT OF EDUCATION
Literacy Staff Development, $13,810
NYS DEPARTMENT OF STATE
Community Service Provider Assistance, $5,000
Legislative Member Initiative, $3,000

**ISAACSON, ROBERT — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Television, $93,000

**ISAACSON, ROBERT/WIERSON, ARICK — UNAFFILIATED PROJECTS**
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
Crosswalk Television, $1,028,075

**IVRY, JOANN/DOBROF, ROSE — HUNTER COLLEGE**
JOHN A. HARTFORD FOUNDATION, INC.
Geriatric Social Work Practicum Implementation, $104,748

**JACKSON, CAROL — COLLEGE OF STATEN ISLAND**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $232,692
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $74,962

**JACOBS, LESTER — U.A.P.C.**
NYC DEPARTMENT OF EDUCATION
Student Automated Record-Keeping Systems (SARKS), $6,055,332

**JACOBS, NANCY — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
DHHS/SAMHSA-CENTER FOR MENTAL HEALTH SERVICES
National Center for the Advancement of Prevention, $7,475,506

**JACOBS, NANCY/ANTONATOS, JERRY — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NEW YORK COMMUNITY TRUST
The New York Community Trust Beyond Emergency Services Initiative, $60,000

**JACOBSON, MICHAEL — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
OPEN SOCIETY
Designing a Neighborhood-Based Pilot Project to Merge and Rationalize All Criminal Justice and Family-Based Services, $39,000

**JANS, URS — CITY COLLEGE**
AMERICAN CHEMICAL SOCIETY
Role of Reduced Sulfur Species in Promoting the Transformations of Phosphorothionate Esters in Estuaries and Salt Marshes, $35,000
NATIONAL SCIENCE FOUNDATION
CAREER: Fate of Contaminants in the Environment, $451,696

**JENNINGS, CHARLES/SERMIER, ROBERT — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
FEMA-FEDERAL EMERGENCY MANAGEMENT AGENCY
Urban Hazards Forum, $80,000

**JOB, YURI — CITY COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Upward Bound Program, $296,461

**JOHNSON, ANNE/BRECHER, BERND — LEHMAN COLLEGE**
HERBERT H. LEHMAN COLLEGE FOUNDATION, INC.
Herbert H. Lehman College Foundation, $146,220

**JOHNSON, ANNE/PIRRONE, JOSEPHINE — LEHMAN COLLEGE**
LEHMAN COLLEGE FOUNDATION
Office of Institutional Advancement, $2,500

**JOHNSON, LAWRENCE/ROSENTHAL, BETH — YORK COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MBRS/SCORE Program at York College, $1,680,395

**JOHNSON, LEON — MEDGAR EVERS COLLEGE**
NASA
Medgar Evers College Aeronautics and Earth Science Academy, $100,000
The New York City Space Science Research Alliance, $245,000

**JOHNSON, ZENOBIA — HOSTOS C.C.**
NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment, $21,879

**JOHNSTON, DEAN — HUNTER COLLEGE**
NIH-NATIONAL CANCER INSTITUTE (NCI)
Chemokine Potential in Cancer Immunotherapy, $150,000

**JONES, RICHARD/EDWARDS, THOMAS — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $245,500

**JORDAN, PETER - LAGUARDIA C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
LaGuardia Community College Financial Aid, $1,076

**JORGENSON, JAY — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Heat Kernel Analysis and Zeta Functions on Quotients of Symmetric Spaces, $49,600

**JOYCE, THEODORE — BARUCH COLLEGE**
HRSA-DIVISION OF MEDICINE
Health Care Administration Traineeships and Special Projects, $28,269

**JOYNER, WENDELL — BRONX C. C.**
NYS EDUCATION DEPARTMENT
(VATEA) Employment Opportunity Center, $117,099

**KAHN, ARLENE — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
Bilingual Education Program Development and Implementation, $174,940

**KANIS, IRA/SHAW, PENNY — HUNTER COLLEGE**
NEW YORK EASTER SEAL SOCIETY
Project Happy, $41,180

**KANT, ASHIMA — QUEENS COLLEGE**
NIH-DIVISION OF CANCER BIOLOGY AND DIAGNOSIS (NCI)
A Prospective Study of the Relation of Diet Quality with Mortality, $77,000
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Dietary Pattern Indexes: Relation with CVD Risk Factors, $115,500

**KARABALI, DIMITRA — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
RUI: Topics in Planar Physics, $27,635

**KARAN, HIROKO — MEDGAR EVERS COLLEGE**
NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
PHASE II EARDA, FRESP: Extramural Associate Research Development Award for Establishing or Enhancing an Office of Sponsored Research and for Other Research Infrastructure Needs, $32,400

**KATZ, JANE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
LINCOLN SQUARE NEIGHBORHOOD CENTER
Senior Summer Water Exercise Program, $4,296

**KATZ, MALI DAUM — QUEENSBOROUGH C. C.**
NYS EDUCATION DEPARTMENT
Carl D. Perkins Vocational and Technical Education Program, $663,496

**KAUFMAN, BARRY/MALAVE, ERNESTO/STEVES, ROBERT — OFFICE OF VC — BUDGET & FINANCE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Engaging External Legal Counsel, $120,000
Systems Telecommunication Initiative, $141,308
The University Accounting Office's Financial Aid Program, $493,662
University Accounting Financial Aid, $1,700,672

**KAUFMAN, HUGO — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
European Union Studies Center (EUSC), $40,397
NEW YORK UNIVERSITY
Establishment of the New York Regional Center for European Union Studies, $30,389

**KEIZS, JEAN — BRONX C. C.**
NYS EDUCATION DEPARTMENT
(VATEA) — Technical Preparation Program, $180,000

**KEIZS, MARCIA — BRONX C. C.**
HOSPITAL LEAGUE/1199
League/1199 SEIU Training and Upgrading Fund Contract, $63,750

**KELLAWON, BLANCHE — BRONX C. C.**
NYS DEPARTMENT OF LABOR
Displaced Homemaker Program, $278,680

**KELLY, MARIO/GRAVES, SHERRYL — HUNTER COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Teacher's Technology: Bridging the Digital Divide, $291,641

**KENNELLY, EDWARD — LEHMAN COLLEGE**
COLUMBIA UNIVERSITY
Center for Complementary and Alternative Medicine in Aging: Evaluating Formononetin in Black Cohosh, $2,566
VARIOUS PRIVATE SOURCES
Natural Products Research, $3,000

**KENNELLY, EDWARD/ALVAREZ, MARICIO — LEHMAN COLLEGE**
AMERICAN SOCIETY OF PHARMACOGNOSY FOUNDATION
ASP Undergraduate Research, $2,500

**KENNELLY, EDWARD/BAGGETT, SCOTT — LEHMAN COLLEGE**
NIH-NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE (NCCAM)
Cardioprotective Antioxidants from Exotic Fruits, $24,849

**KENNELLY, EDWARD/GERRY, CHRISTOPHER — LEHMAN COLLEGE**
U.S. ARMY
Acquisition of a Fourier Transform Nuclear Magnetic Resonance Spectrometer, $180,000

**KENNELLY, EDWARD/PARKINSON, AINSLEY — LEHMAN COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Cardioprotective Antioxidants from Caribbean Fruits, $26,749

**KENNELLY, EDWARD/REYNERTSON, KURT — LEHMAN COLLEGE**
NIH-NATIONAL CENTER FOR COMPLEMENTARY AND ALTERNATIVE MEDICINE (NCCAM)
Antioxidant Polyphenols from Fruits of the Myrtle Family, $29,116

**KHANBILVARDI, REZA — CITY COLLEGE**
U.S. DEPARTMENT OF COMMERCE- ECONOMIC DEVELOPMENT ADMINISTRATION
NOAA/OAR Educational Partnership Program, $25,000

**KHANBILVARDI, REZA/AHMED, SAMIR/STEINER, JEFFREY — CITY COLLEGE**
U.S. DEPARTMENT OF COMMERCE- ECONOMIC DEVELOPMENT ADMINISTRATION
NOAA Cooperative Center for Remote Sensing Science and Technology (CREST), $2,500,000

**KHANBILVARDI, REZA/MOSHARY, FRED — CITY COLLEGE**
NASA
Integration of Research and Education in Remote Sensing and Environmental Climate Research, $500,000

**KIDD, CHARLES/ST. JOHN, RONALD — YORK COLLEGE**
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
National Youth Sports Program (NYSP) Support Services, $27,526
National Youth Sports Program Fund, $115,636

**KIERAN, MARY — BOROUGH OF MANHATTAN C. C.**
NYS EDUCATION DEPARTMENT
English Language Instruction (ELI) EDGE Plus, $84,266

**KIERAN, MARY/DEAGAN, DENISE — BOROUGH OF MANHATTAN C. C.**
NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment, $106,304
NYS EDUCATION DEPARTMENT
WIA Title 2: ESOL and Civics Education, $75,000

**KIERAN, MARY/MALDONADO, ACTE — BOROUGH OF MANHATTAN C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
BMCC Program Development, $305,911

**KIERSZENBAUM, ABRAHAM — CITY COLLEGE**
NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
Microtubule/Keratin Interactions During Spermatogenesis, $237,570

**KIJNE, HUGO — COLLEGE OF STATEN ISLAND**
COLLEGE FUND (CUNY MISCELLANEOUS)
Special Projects in Continuing Education, $76,813
NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
NYSD DC Correction for Wastewater Treatment Plant Operators, $18,150
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Educational Services for Developmentally Disabled Adults, $150,522
NYS DEPARTMENT OF HEALTH
Job Start Program, $6,250
NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment Program, $161,840
NYS EDUCATION DEPARTMENT
EDGE Plus English Language Program, $50,676
RESEARCH FOUNDATION/SUNY
Public Service Workshops Program, $12,800

**KIJNE, HUGO/DEVINE, JUDITH — COLLEGE OF STATEN ISLAND**
VARIOUS PRIVATE SOURCES
Options Program for Older Adults, $3,785

**KIMMICH, CHRISTOPH/LITTLE, STEVE — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Brooklyn College Reimbursement Account, $479,352

**KINSLER, KIMBERLY/GAMBLE, MAE — HUNTER COLLEGE**
NYS EDUCATION DEPARTMENT
Teacher/Leader Quality Partnership Program, $235,000

**KLEIN, NANCY — LEHMAN COLLEGE**
BANK STREET
Universal Pre-K Fellows Program, $4,000

**KLEIN, YEHUDA — BROOKLYN COLLEGE**
U.S. DEPARTMENT OF COMMERCE—ECONOMIC DEVELOPMENT ADMINISTRATION
Enhancing Outreach Capabilities of the Coastal Services Center's Beach Nourishment Website, $25,000

**KLITZMAN, SUSAN — HUNTER COLLEGE**
NEW YORK ACADEMY OF MEDICINE
Bedford-Stuyvesant Healthy Homes Initiative Pilot Project: Phase II, $200,000

**KOBILINSKY, LAWRENCE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $80,000
U.S. DEPARTMENT OF EDUCATION
Strengthening Hispanic-Serving Institutions, $485,627

**KOBILINSKY, LAWRENCE/ROTHCHILD, ROBERT — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. DEPARTMENT OF EDUCATION
Minority Science and Engineering Improvement Project, $90,202

**KOHLER—BRITTON, CHARLENE — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Head Teacher Fund, $27,625

**KOLB, PATRICIA — LEHMAN COLLEGE**
JOHN A. HARTFORD FOUNDATION, INC.
Geriatric Enrichment of the Lehman College Baccalaureate Social Work Program, $29,927

**KOPLIK, JOEL — CITY COLLEGE**
NASA
Molecular Dynamics of Fluid-Solid Systems, $45,000
NATIONAL SCIENCE FOUNDATION
US/France Cooperative Research: Fluid and Particulate Transport in Self-Affine Fractures, $17,955
U.S. DEPARTMENT OF ENERGY
Particular Dynamics in Filtration: Fluid and Particulate Transport in Self-Affine Fractures, $98,432

**KOPLIK, JOEL/DRAZER, GERMAN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
US/Argentina Cooperative Research Program: Hydrodynamic Dispersion and Surface Roughness, $21,082

**KORANYI, ADAM — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
Function Theory on Symmetric Spaces, $43,783

**KORN-BURSZTYN, CAROL — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Language, Literacy, and Arts, $30,760
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $108,725

**KOTELCHUCK, DAVID — HUNTER COLLEGE**
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Lead Poisoning Prevention Program, $10,000
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY
Worker Health and Safety Cooperative Agreement, $102,855

**KOTELCHUCK, DAVID/CORBURN, JASON — HUNTER COLLEGE**
UNITED HOSPITAL FUND
Community Health Worker Project at Hunter College, $10,000

**KOTKIN, LAURA — QUEENSBOROUGH C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Queensborough Community College Corporate Training, $6,800
QUEENSBOROUGH COMMUNITY COLLEGE
Queensborough Community College Development: Alumni Assistant, $41,500

**KOTKIN, LAURA/CALL, DIANE — QUEENSBOROUGH C. C.**
NYS URBAN DEVELOPMENT CORP/ EMPIRE STATE DEVELOPMENT CORP
Queensborough Community College Art Gallery Renovation, $415,000

**KRANIS, JOANN/ALLICINO, TONY — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
Training Interpreters for Individuals Who Are Deaf and Individuals Who Are Deaf-Blind, $155,866

**KRAUSS, BEATRICE — HUNTER COLLEGE**
MEDICAL AND HEALTH RESEARCH
HIV Prevention Case Management Initiative, $544,016
NEW YORK COMMUNITY TRUST
Evaluate Programs' Outcomes, $25,000
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Adolescent HIV Risk: Social Settings and Prevention Issues, $981,525
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Pilot Program on Rikers Island, $200,000

**KRAUSS, BEATRICE/ROBERTS, LYNN — HUNTER COLLEGE**
HUNTER COLLEGE
Sister Link, $172,589

**KRAUSS, BEATRICE/KELLY, DAMYN — HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
Community Action to Prevent AIDS, $21,727

**KRAUSS, BEATRICE/ROBERTS, LYNN — HUNTER COLLEGE**
NYS DIVISION OF CRIMINAL JUSTICE SERVICES
Sister Link/Brother Link, $150,000

**KREUZER, PAUL — LEHMAN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Title V: Developing Hispanic-Serving Institutions, $1,075,000

**KURIEN, SUMA — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
EDGE Plus English Language Instruction, $131,019
Workforce Investment Act (WIA) English Language Civics Education, $91,788

**KURIEN, SUMA/DICK, MAE — LAGUARDIA C. C.**
NYS DEPARTMENT OF LABOR
EDGE XI: Education for Gainful Employment, $175,950

**KWARTA, VIRGINIA — UNAFFILIATED PROJECTS**
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Adult Literacy: STEPS, $124,545
NYS EDUCATION DEPARTMENT
Incarcerated and Institutionalized Program for Corrections Education and Other Institutionalized Individuals, $55,000

**KWARTA, VIRGINIA/CURTIS, SUSAN — UNAFFILIATED PROJECTS**
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Adult Literacy/Adult Education, $55,706

**KYDD, JANICE — LAGUARDIA C. C.**
SUNNYSIDE HOME
Home Health Aide Training, $70,698

**L'AMOREAUX, WILLIAM — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
MRI/RUI: Acquisition of an X-ray Microanalysis System with WDS Spectrometer for Elemental Analysis, $226,587

**LACKEY, MELINDA — HUNTER COLLEGE**
DAPHNE FOUNDATION, INC.
Welfare Rights Initiative: General Support for 2002-2003, $30,000
NEW YORK WOMEN'S FOUNDATION
Welfare Rights Initiative, $15,000
UNITED WAY
SEED: Solutions for Economic Empowerment and Dignity, $25,000

**LACKEY, MELINDA/LANE, MAUREEN — HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
Welfare Rights Initiative, $101,460

**LAKE, ANDRE — MEDGAR EVERS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
General Operation, $35,000

**LAKIC, NIKOLA — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
Infinite Dimensional Teichmuller Spaces and Conformal Geometry, $60,879

**LAKSHMAN, MAHESH/GILCHRIST, MALCOLM/AXENROD, THEODORE/BALOGH—NAIR, VALERIA — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Acquisition of a 500 mHz NMR Spectrometer for Research and Education, $366,100

**LAMBERT, JEANNE/BATEMAN, KITTY — QUEENSBOROUGH C. C.**
NYS EDUCATION DEPARTMENT
Queens Civic Collaboration of CUNY, $75,000

**LANCELLOTTI, CARLO — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
N-Body Aspects in the Kinetic Theory of Plasmas and Gravitating Systems, $72,455

**LAVIN, DAVID — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
CUNY Women Study, $66,485

**LEASHORE, BOGART — HUNTER COLLEGE**
NYC ADMINISTRATION FOR CHILDREN'S SERVICES
MSW Program for ACS Staff, $53,793

**LEE, JAE — CITY COLLEGE**
AMERICAN CHEMICAL SOCIETY
Feasibility of Multiple Functions in Reactive Separation Systems, $35,000

**LEE, MYUNG — CITY COLLEGE**
SAMSUNG ELECTRONICS CO., LTD.
SAIT-CUNY Joint Laboratory, $139,982

**LEE, THOMAS — CITY COLLEGE**
FREEMAN FOUNDATION
Strengthening Undergraduate Asian Studies at City College, $436,684

**LEMONS, DANIEL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Developing Science Skills and Content Mastery in Anatomy and Physiology Using Technology-Enhanced, Hands-On Models, $74,999
U.S. DEPARTMENT OF EDUCATION
Minority Science Improvement, $208,204

**LEPORE, STEPHEN — BROOKLYN COLLEGE**
NIH-NATIONAL CANCER INSTITUTE (NCI)
Training Minorities in Biobehavioral Cancer Research, $238,006

**LERNER, HELEN — LEHMAN COLLEGE**
HRSA-DIVISION OF NURSING
Advanced Education Nursing Traineeships, $75,710

**LEVINE, ALFRED — COLLEGE OF STATEN ISLAND**
INTERSTATE SANITATION
Environmental Science Program, $27,000

**LEVINE, CASANDRA — BRONX C. C.**
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $400,000

**LEVINE, ROBERT — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
LaGuardia/Vassar Upward Bound Program, $364,829

**LEVITT, JANE — LEHMAN COLLEGE**
INSTITUTE FOR URBAN FAMILY HEALTH
Development of a Master of Public Health Degree Program at Lehman College, $37,500

**LEVITT, JONATHAN — CITY COLLEGE**
NIH-NATIONAL EYE INSTITUTE (NEI)
Mechanisms of Visual Context Effect in Visual Cortex, $210,313

**LEVY, KENNETH — HUNTER COLLEGE**
AMERICAN PSYCHOANALYTIC ASSOCIATION, INC.
Clinical Techniques and Processes Related to Outcome in a Modified Psychodynamic Psychotherapy for Borderline Personality Disorder, $18,508
NATIONAL ALLIANCE FOR RESEARCH ON SCHIZOPHRENIA AND DEPRESSION (NARSAD)
National Alliance for Research Schizophrenia and Depression (NARSAD) Young Investigator Award, $30,000

**LI, JIE — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Faculty Early Career Development Program, $342,815

**LIANG, ZAI — QUEENS COLLEGE**
NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
China International Migration Project, $138,600

**LIAW, BENJAMIN/DELALE, FERIDUN — CITY COLLEGE**
U.S. ARMY
Hybrid Carbon-Glass Fiber: Toughened Epoxy Thick Composite Joints Subject to Drop Weight and Ballistic Impacts at Various Temperatures, $400,000

**LINDSEY, THERESA/RUMAYOR, SANDRA — BOROUGH OF MANHATTAN C. C.**
U.S. DEPARTMENT OF EDUCATION
Upward Bound Program, $315,520

**LIPKE, PETER — HUNTER COLLEGE**
MYCOLOGICS, INC.
A Novel Screen for Inhibitors of Fungal GPI-Anchoring, $33,332
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Program, $575,590
SCORE Program, $3,104,942

**LLEWELLYN, ADRIAN — CITY COLLEGE**
HRSA-DIVISION OF MEDICINE
Grants for Physician Assistants, $110,937

**LOIZOU, ELENI — HUNTER COLLEGE**
BANK STREET
Universal Pre-K Fellows Program, $6,000

**LOMBARDI, JOHN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Raman Spectroscopy of Mass Selected Metal Clusters, $116,001

**LONGO, PAUL — QUEENS COLLEGE**
NYC DEPARTMENT OF EDUCATION
School Partnership and Collaboration with Community School District 25, $22,841

**LOPEZ, JENNIFER/VAZQUEZ, JULIO — HUNTER COLLEGE**
NATIONAL WILDLIFE FEDERATION
Student Fellowship: Study of Recycling Program, $500

**LUBNER, MAXINE — YORK COLLEGE**
VARIOUS PRIVATE SOURCES
CUNY Aviation Institute at York College Aviation Conference, $7,175

**LUINE, VICTORIA — HUNTER COLLEGE**
MERCK COMPANY FOUNDATION
Effects of Steroid Hormones on Neural Function, $9,000
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MBRS/RISE, $722,256

**LUINE, VICTORIA/BRADSHAW, AMBER — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Examining Pacing Behavior in Female Mice, $23,846

**LUXTON-GOURGEY, KAREN — BARUCH COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Computer Center for Visually Impaired People Administrative Account, $44,175
TOUCH GRAPHICS
Development of an Audio/Tactile Atlas of the World for Use by Individuals Who Are Blind or Visually Impaired, $12,720
VARIOUS PRIVATE SOURCES
Visually Impaired Professionals (VIP) Career Network Program, $54,326

**LYNESS, KAREN — BARUCH COLLEGE**
CITIGROUP BEHAVIORAL SCIENCE RESEARCH COUNCIL
When Success Does Not Ensure Advancement: The Case of Women in Senior Management, $61,468

**MAANTAY, JULIANA — LEHMAN COLLEGE**
ALBERT EINSTEIN COLLEGE OF MEDICINE
Medical Geographer Consultation Agreement, $12,000

**MACARI, EMMA/YANG, CATHERINE — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT**
NYS DORMITORY AUTHORITY
B. Altman Project, $112,177
Design, Construction, and Management, $52,752
Marshak Building Rehabilitation Project, $113,649
Sophie Davis Biomedical Education Project, $103,341

**MACARI, EMMA/YANG, CATHERINE/HAWKINS, EILEEN — OFFICE OF VC — FACILITIES PLANNING/CONSTRUCTION & MANAGEMENT**
NYS DORMITORY AUTHORITY
Design, Construction, and Management, $87,370

**MACKENZIE, BARBARA — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Brook Center, $18,525
RILM Abstracts, $682,500
RILM Special Projects, $71,200

**MACKILLOP, JANE — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
EDGE Plus English Language Instruction, $15,237

**MACMILLAN, NEIL — BROOKLYN COLLEGE**
PSYCHONOMIC SOCIETY, INC.
Editor Elect Perception and Psychophysics Journal Publications, $23,484

**MAGDALENO, JOSE — LEHMAN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Pell Administrative Funds, $64,900
LEHMAN COLLEGE ASSOCIATION
Student Health Care Center, $147,335
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $94,100

**MAKSE, HERNAN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: Statistical Mechanics of Particulate Systems Far from Equilibrium, $160,000

**MALDARELLI, CHARLES — CITY COLLEGE**
NASA
Using Remobilized Surfactants to Enhance the Thermocapillary Migration of Bubbles Retarded by the Absorption of Surfactant Impurities, $80,704
S.C. JOHNSON & SON, INC.
Imprinting Wetability Gradients on the Inside Surfaces of Millimeter Sized Channel Walls for the Self Propulsion at Aquenos Drops, $15,000

**MALLON, GERALD — HUNTER COLLEGE**
CHILD WELFARE FUND
Immigrants and Child Welfare, $25,000
CHILD WELFARE LEAGUE OF AMERICA, INC.
Trainer's Guide and Participant Resource Book, $25,442
VARIOUS PRIVATE SOURCES
National Resource Center for Permanency Planning, $15,181

**MALLON, GERALD/LEASHORE, BOGART — HUNTER COLLEGE**
DHHS/OASH-OFFICE OF THE ASSISTANT SECRETARY OF HEALTH
National Resource Center for Foster Care and Permanency Planning, $1,150,000
FAIRFAX COUNTY BOARD OF SUPERVISORS
Consultation and Technical Assistance in Implementing Concurrent Planning within the Department of Family Services Foster Care System, $4,692
NYC ADMINISTRATION FOR CHILDREN'S SERVICES
New York City Administration of Children Services, $286,433

**MALLON, GERALD/MORSE, JOAN MARSHA — HUNTER COLLEGE**
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Independent Living Network Training and Technical Assistant , $719,950
SURDNA FOUNDATION
Walking the Path: Managing Transitions, $123,000
VARIOUS PRIVATE SOURCES
Independent Living Revenue Account, $14,169

**MALLON, GERALD/SCHAEFER, IRENE — HUNTER COLLEGE**
HITE FOUNDATION
Hite Fellowship Program, $26,89
NATIONAL RESOURCE CENTER FOR FOSTER CARE & PERMANENCY PLANNING
National Association of State Foster Care Managers (NASFCM) Annual Meeting, $1,225

**MANES, JOAN — NYC COLLEGE OF TECHNOLOGY**
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Immigration Special Initiative: ESOL and Civics, $40,500
NYS DEPARTMENT OF LABOR
Education for Gainful Employment (EDGE), $18,020
NYS EDUCATION DEPARTMENT
WIA Title 2: ESOL/Civics, $82,929

**MANTSIOS, GREGORY — QUEENS COLLEGE**
NYC CITY COUNCIL
Labor Resources, $50,000
VARIOUS PRIVATE SOURCES
Labor Resource and Worker Education, $138,029

**MANUEL, PETER — GRADUATE SCHOOL**
SOCIETY FOR ETHNOMUSICOLOGY, INC.
Ethnomusicology, $5,000

**MARCUS, MICHAEL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Research in Stochastic Processes, $123,572

**MARINI, JACOB — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Special Overhead Account, $15,300

**MARKOWITZ, GERALD — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLUMBIA UNIVERSITY
Politics of Pollution in Post World War II America, $7,000

**MARKOWITZ, STEVEN — QUEENS COLLEGE**
MOUNT SINAI SCHOOL OF MEDICINE
Growing Up Healthy in East Harlem, $26,238
PAPER, ALLIED-INDUSTRIAL, CHEMICAL & ENERGY WORKERS INTERNATIONAL UNION
Medical Surveillance, $266,263
Medical Surveillance of Former and Current Workers at the Gaseous Diffusion Plants of the Department of Energy, $148,689
RESEARCH FOUNDATION/SUNY
Air Quality and Asthma in the New York Metropolitan Area: Design and Implementation of a Community-Based Air Pollution Monitoring Program, $100,000

**MARKOWITZ, STEVEN/PEYSER, SHARON — QUEENS COLLEGE**
MOUNT SINAI SCHOOL OF MEDICINE
Growing Up Healthy in East Harlem, $14,238

**MARRONE, CARMELLA — QUEENS COLLEGE**
LIZ CLAIBORNE FOUNDATION
Women and Work Program, $40,000
NEW YORK COMMUNITY TRUST
Women and Work Program, $40,000
NEW YORK WOMEN'S FOUNDATION
Women and Work Program, $12,500
PATRINA FOUNDATION
Women and Work Program at Queens College: Academic Year 2002-2003 and Programmatic Enhancements, $10,000

**MARSHALL, EMILY MACK — KINGSBOROUGH C. C.**
NYC DEPARTMENT OF EDUCATION
No Child Left Behind Program, $2,730
Perkins VATEA Title II Tech Prep, $64,221
Support Services in Reading and Mathematics, $33,516

**MARTIN, ANGELA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Financial Aid, $39,034

**MARTINEZ, HERMINIO — LEHMAN COLLEGE**
FLORIDA INTERNATIONAL UNIVERSITY
University of Florida, $3,710
LUMINA FOUNDATION
Off-Campus Courses and Special Services, $75,000
NYS EDUCATION DEPARTMENT
Bilingual Education Technical Assistance Center (BETAC), $278,776
U.S. DEPARTMENT OF EDUCATION
Bilingual Education: Project Intell, $250,000
Fund for the Improvement of Education Earmarked Grant, $75,000
Project Stellar, $250,000
W.K. KELLOGG FOUNDATION
Engaging Latino Communities for Education Initiative, $406,480

**MARTINSONS, BARBARA — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
College and Community Fellowship Program, $108,301

**MARTON, KLARA — BROOKLYN COLLEGE**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Working Memory Capacity in Children with SLI, $75,500

**MATOS-RODRIGUEZ, FELIX — HUNTER COLLEGE**
FORD FOUNDATION
Documenting Puerto Rican Migration History, $150,000
INSTITUTE OF MUSEUM AND LIBRARY SERVICES
Preserving and Disseminating New York's Puerto Rican/Latino Heritage, $500,000
W.K. KELLOGG FOUNDATION
CUNY College ENLACE Partners, $1,200,805

**MATTHEWS, ROBERTA — BROOKLYN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Strengthening Institutions Program, $350,000

**MAYER, EGON — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for Jewish Studies, $49,318

**MCCARTHY, KATHLEEN/MILLER, EUGENE — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for the Study of Philanthropy, $236,565

**MCCORMICK, LYNN — HUNTER COLLEGE**
NEW SCHOOL UNIVERSITY
New Immigrants in New York City, $15,500
What Explains Their Involvement? American Employers Association and Workforce Development Initiatives, $30,715

**MCGINNIS, MICHAEL — U.A.P.C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
UAPC Operating Account, $486,600

**MCGOVERN, THOMAS/BANKOFF, ARTHUR/SMITH, NEIL — HUNTER COLLEGE**
NYC DEPARTMENT OF CITYWIDE ADMINISTRATIVE SERVICES
Archaeological Services at City Hall Park, $52,400

**MCHUGH, CECILIA — QUEENS COLLEGE**
HUDSON RIVER FOUNDATION
Assessing the Natural Hazard for the Lower Hudson River Region by Estimating Climate Variability for the Past 6,000 Years, $72,888
NATIONAL SCIENCE FOUNDATION
Collaborative Research: Submarine Earthquakes Geology in the Marmara Sea Gap, $31,824

**MCINTOSH, JANET — MEDGAR EVERS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $45,028

**MCKENNA, HAROLD — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $72,096

**MCSORLEY, KATHLEEN — BROOKLYN COLLEGE**
NYS EDUCATION DEPARTMENT
IDEA Part B, $25,000

**MCVEY, RONALD - JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYC DEPARTMENT OF EDUCATION
Tech-Prep Program at Martin Luther King Jr. High School, $5,000

**MELETIES, PANAYIOTIS/BRENNAN, THOMAS — BRONX C. C.**
NATIONAL SCIENCE FOUNDATION
BCC Pharmaceutical Manufacturing Technology Program, $243,302

**MELIKIAN, YELENA/ROMEO, DIANE — NYC COLLEGE OF TECHNOLOGY**
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
Authorized Sun Educational Center (ASEC) Institution in Java and Solaris, $103,150
RESEARCH FOUNDATION/SUNY
Public Service Workshops Program: Working with Clients with Multiple Barriers to Employment, $1,960

**MENTONE, EILEEN/FRANKLIN, HARRY — OFFICE OF VC — STUDENT DEVELOPMENT & ENROLLMENT**
NEW YORK COMMUNITY TRUST
Provide Transportation to School Related Activities for Disabled Students of High Scholastic Ability, $50,000

**MENZI, DONALD — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
CONSORTIUM FOR WORKER EDUCATION
National Emergency Grant, $2,119,699
To Operate an Individual Training Account (ITA) Program for Eligible WIA Recipients, $21,894,588
Tuition Assistance Program, $2,908,870

**MEYER, MARY ANNE — QUEENSBOROUGH C. C.**
NYS EDUCATION DEPARTMENT
VATEA Technical Preparation Project, $180,000

**MEYER, MARY ANNE/KHAN, ROBERT — QUEENSBOROUGH C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Tech-Prep Matching Account, $20,000

**MICHAELS, CRAIG — QUEENS COLLEGE**
NYC DEPARTMENT OF EDUCATION
VESID Literacy Program CSD 28, $15,000

**MICHELLI, NICHOLAS/ASHER, CARLA — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
CORPORATION FOR NATIONAL SERVICE
Americorps Education Awards Program (EAP), $750,000
NYC DEPARTMENT OF EDUCATION
New York City Teaching Fellows Program, $11,170,993

**MICHELS, CORINNE — QUEENS COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Maltose Sensing/Signaling Mechanisms in Saccharomyces, $308,000

**MIDDLETON, JOSEPH/SPATOLA, EUGENE — LEHMAN COLLEGE**
PRIVATE ORGANIZATIONS
Academic Computing Consultation, $608

**MIELE, ELEANOR — BROOKLYN COLLEGE**
NYS EDUCATION DEPARTMENT
Teacher Leader Quality Partnership, $84,000

**MIKSIC, MARK — QUEENS COLLEGE**
CON EDISON
Queens College Investigative Science Symposium/Fair, $5,000

**MILLS, PAMELA/DEMEO, STEPHEN/ SWEENEY, WILLIAM/LAURENSON, DAVID — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
The Development of Three New Five-Year BA/MA Programs in Secondary Science Teaching Emphasizing Inquiry Learning and Integration of Pedagogy and Science Content, $569,137

**MILSTEIN, GLEN — CITY COLLEGE**
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Clergy Roles in Psychiatric Care: Elder Patients' View, $76,500

**MIRRER, LOUISE — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
JEWISH FOUNDATION FOR EDUCATION OF WOMEN
Teaching Opportunity Program (TOP), $102,000

**MIRRER, LOUISE/ALFANO, ROBERT — CITY COLLEGE**
NYS OFFICE OF SCIENCE, TECHNOLOGY, AND ACADEMIC RESEARCH
CAT Development Program, $488,991
Center for Advanced Technology (CAT) in Ultrafast Photonic Materials and Applications, $2,351,846

**MIRRER, LOUISE/BROWN, TED — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
NEW YORK WORK ALLIANCE
CUNY Institute for Software Design and Development at the Graduate School and University Center, $58,310

**MIRRER, LOUISE/DUNN, SHARON — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
RONALD PHILIP STANTON
Future Teachers Cultural Passport, $25,000

**MIRRER, LOUISE/EVERETT, CAROLYN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
ERNST & YOUNG FOUNDATION
Ernst & Young CUNY 9-11 Partnership for Rebuilding New York, $1,105,069

**MIRRER, LOUISE/MICHELLI, NICHOLAS — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
J.P. MORGAN FOUNDATION
Teaching Opportunity Program (TOP), $75,000
STARR FOUNDATION
Teaching Opportunity Program (TOP), $151,505
VIVENDI UNIVERSAL
Teaching Opportunity Program (TOP), $50,000

**MIRRER, LOUISE/OTTE, GEORGE — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
ALFRED P. SLOAN FOUNDATION
CUNY Online Faculty and Course Development, $600,000

**MIRRER, LOUISE/PTACHIK, ROBERT — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
COLLEGE FUND (CUNY MISCELLANEOUS)
Flagship Environment Support, $250,000

**MIRRER, LOUISE/SCHOR, LAURA — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
ANDREW MELLON FOUNDATION
CUNY Honors Program, $3,059,371

**MIRRER, LOUISE/SLATER, MORTON — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
FAIRCHILD
Support Gateway Institute for Pre-College Education, $288,237

**MIRRER, LOUISE/TSEGAYE, MAHLET — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
NEW YORK COMMUNITY TRUST
Study/Travel Opportunities for CUNY Students (STOCS) Project, $130,000

**MITCHELL, DELORIS/KAPLAN, FLORENCE — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
English Language Civics Education, $140,961

**MITCHELL, DELORIS/WILLIAMS, PETER — MEDGAR EVERS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
ACE Operations, $131,000

**MIZRAHI, TERRY — HUNTER COLLEGE**
NATIONAL ASSOCIATION OF SOCIAL WORK
Research Support, $1,300

**MOGULESCU, JOHN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
ANHEUSER-BUSCH COMPANIES, INC.
Tuition Support for a COPE Student, $7,200
CONSORTIUM FOR WORKER EDUCATION
Training for LPNs, Nursing Assistants, and Other Direct Care Staff Toward AAS Nursing Program, $392,175
HOSPITAL LEAGUE/1199
CUNY Academic Advisement and Career Counseling Consortium: CUNY Health Workforce Research Initiative, $174,950
NYC CITY COUNCIL
Improve Web Site to Enhance the Ability to Communicate Between NYC Council and Constituents, $4,500
NYC DEPARTMENT OF EMPLOYMENT
Rewarding Youth Achievement Program, $96,895
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
City Agency Internship Program, $63,371
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Family Development Training and Credentializing Program, $156,195
Youth Achievement Program, $123,750
NYC HUMAN RESOURCES ADMINISTRATION
Employment Assessment Project, $3,299,987
HRA-Begin Language Program, $2,669,298
Perfect Opportunity for Individual Skills and Education Development: A Program for Pregnant TANF Participants, $3,938,241
Safety Net Job Placement and Retention, $37,200
NYC OFFICE OF THE MAYOR
Adult Literacy Program, $3,025,001
NYS EDUCATION DEPARTMENT
Adult Literacy Education, $690,337
Workforce Investment Act (WIA): Adult Education and Literacy, $3,552,423
NYS HIGHER EDUCATION SERVICES CORPORATION
HESC GEAR UP "College for Me", $1,000,989
HESC GEAR UP Implementation Grant, $200,000
UNITED WAY
To Establish Two Pilot College Now Learning Centers in Bushwick High School and Adlai Stevenson High School, $132,742

**MOGULESCU, JOHN/BROWN, TED/CLEARY, SEAN/BRUST, LAUREN GIGLIO — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
NYC HUMAN RESOURCES ADMINISTRATION
Information Technology Specialists, $1,000,00
PRIVATE ORGANIZATIONS
The COPE Diamond Incentive Award: College Opportunity to Prepare for Employment, $6,7000

**MOGULESCU, JOHN/DOUGLAS, DEBORAH — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
NYC HUMAN RESOURCES ADMINISTRATION
College Opportunity to Prepare for Employment (COPE) Program, $3,223,025

**MOGULESCU, JOHN/EBENSTEIN, WILLIAM — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
COLLEGE FUND (CUNY MISCELLANEOUS)
John Fitzgerald Kennedy (JFK) Institute, $500,000
NEW YORK COMMUNITY TRUST
Immigrant Nurses for Licensure in NYS, $50,000
NYC HEALTH AND HOSPITALS CORPORATION
CUNY Career Ladder and Skills Upgrading Program, $189,104
UNITED WAY
The New York Immigrant Nurse Program at CUNY, $205,445

**MOGULESCU, JOHN/PETERSON, BRIAN — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
NYC HUMAN RESOURCES ADMINISTRATION
Informal Family Child Care Training, $444,641
Professional Training Academy, $6,927,679

**MOGULESCU, JOHN/PETERSON, BRIAN/MORRISON, ABIGAIL — OFFICE OF EXECUTIVE VICE CHANCELLOR — ACADEMIC AFFAIRS**
NYC DEPARTMENT OF INFORMATION TECHNOLOGY & TELECOMMUNICATIONS
3-1-1 Call Center, $429,785

**MOLINA, CARLOS/ENCARNACION, JOSE — HOSTOS C. C.**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $195,861

**MOLLENKOPF, JOHN — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Data Service: A Unit of the Center for Social Research, $7,000
Second Generation Project, $176,700

**MOODY, HARRY — HUNTER COLLEGE**
ROBERT WOOD JOHNSON FOUNDATION
Institute for Human Values in Aging, $136,739

**MOORE, CAROL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Role of the BLM5 Gene of Saccharomyces Cerevisiae in Mitosis and Meiosis, $8,500

**MOOTOO, DAVID — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Synthesis of Glycomimetics and Related Structures, $327,866

**MORALES, GEORGE/LAKE, ANDRE — MEDGAR EVERS COLLEGE**
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Beacon School Program, $400,500
Youth Development Initiative Project, $19,699
NYS DEPARTMENT OF FAMILY ASSISTANCE
Advantage After-School Program: Better Utilization of Teen Activities, $150,000
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $99,000
THE AFTER-SCHOOL CORPORATION
After School Program at PS 181, $241,150

**MORALES, GEORGE/WHITE—DAVIS, GERALD — MEDGAR EVERS COLLEGE**
MISSION OF MERCY, INC.
Mission of Mercy, $124,499
VERIZON FOUNDATION
C.R.I.T.C. Training Program, $5,000

**MORRIS, ANNE — BARUCH COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for Logistics and Transportation, $20,000

**MOSHOYANNIS, THALIA — GRADUATE SCHOOL**
NYC DEPARTMENT OF EDUCATION
Paraprofessional Academy, $78,840

**MOVASSEGHI, DARIUS/NAGARKATTE, UMESH — MEDGAR EVERS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Improving Mathematics Instruction by Extending the Reform Calculus Approach, $86,659

**MULLER, LAWRENCE — LAGUARDIA C. C.**
NATIONAL SCIENCE FOUNDATION
LaGuardia New Media Technologies Curriculum and Professional Development Adaptation and Implementation Project, $199,935

**MUELLER, CLAUS — HUNTER COLLEGE**
TRAUBNER INTERNATIONAL
Screening Conference, $4,000

**MYLONAKIS, GEORGE/AGRAWAL, ANIL — CITY COLLEGE**
RESEARCH FOUNDATION/SUNY
Engineering Effects of Earthquakes, Blasts, and Other Man-Made Hazards, $34,001

**MYRIE, JACQUELINE — BOROUGH OF MANHATTAN C. C.**
HRSA-DIVISION OF NURSING
Nursing Workforce Diversity Grants, $241,824

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**NAHUM, LINDA — KINGSBOROUGH C. C.**
BE'ER HAGOLAH INSTITUTE
Adolescent Family Life Demo, $11,350

**NAIDER, FRED — COLLEGE OF STATEN ISLAND**
MEDIWOUND LTD.
Analysis and Characterization of Enzyme Components of Pineapple Extracts, $48,012
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Peptide Cell Interactions, $400,773

**NAPPER, JEAN — BRONX C. C.**
NYS EDUCATION DEPARTMENT
EDGE Plus English Language Instruction, $137,521
VATEA Incarcerated Program, $19,444
WIA Title 2 ESOL, $74,723

**NAPLES, BRUCE — QUEENSBOROUGH C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Webmaster, $4,655

**NASEWICZ, BARBARA — QUEENSBOROUGH C. C.**
COLLEGE FUND (CUNY MISCELLANEOUS)
Continuing Education Payroll, $52,333

**NATHANSON, MELVYN — LEHMAN COLLEGE**
U.S. DOD-NATIONAL SECURITY AGENCY
Additive Number Theory, $30,224
Combinatorial Problems in Additive Number Theory, $32,734

**NEHM, ROSS — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: Integrating Geoscience Research on the Neogene of the Dominican Republic with the Science Education of the Dominican-American Teachers and Students in New York City, $63,569

**NEUJAHR, JAMES/HALL, CAMILLE — CITY COLLEGE**
NYC DEPARTMENT OF EDUCATION
Middle School Mathematics and Science Technology Program, $95,709

**NGUYEN, TRUONG-THAO — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
ITR: Collaborative Research: Accurate Representations of Signals in a Coarse-Grained Environment, $192,489

**NICOLAS-BOLNET, CARO — MEDGAR EVERS COLLEGE**
NATIONAL SCIENCE FOUNDATION
UMEB: Introducing Students to Conservation Genetics and Environmental Science: A Collaboration Among St. Francis College, Medgar Evers College, and American Museum of Natural History, $110,526

**NORWOOD, CHRIS — BRONX C. C.**
AMERICAN LEGACY FOUNDATION
Health Force Against Tobacco, $100,000
ENVIRONMENTAL PROTECTION AGENCY
Public Housing Linked In-Home Asthma Environmental Assessment and Management, $25,000
INSTITUTE FOR URBAN FAMILY HEALTH
Bronx REACH 2010 Demonstration Project, $8,971
MEDICAL AND HEALTH RESEARCH
Access to Care, $154,500
Custody Planning and Transitional Supports, $236,066
Family Centered Harm Reduction, $247,745
Harm Reduction Recovery Readiness, $301,257
HIV Prevention Program, $252,350
Women and Men Against AIDS, $200,000
NATIONAL DEVELOPMENT AND RESEARCH INSTITUTE, INC.
Peer Mentors for Early Adolescents, $177,730
NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Health Force: NYC Childhood Asthma Initiative, $280,350
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Nutrition, Mental Health, and Physical Health, $12,212
NYS DEPARTMENT OF HEALTH
Health Force, $1,000
Health Force AIDS Institute: The South Bronx Diabetes and Heart Disease Coalition, $53,000
Peer Initiative: Health Force — AIDS Institute, $156,250
NYS OFFICE OF ALCOHOLISM AND SUBSTANCE ABUSE SERVICES
La Familia Unida AIDS Outreach Program, $253,917
POSTGRADUATE CENTER FOR MENTAL HEALTH
Federal Housing Opportunities for Persons with AIDS Program (HOPWA), $420,146
VARIOUS PRIVATE SOURCES
Children's Mentoring Program, $5,000
Health Force: Women Against AIDS, $10,024

**NWOKE, GODFREY — NYC COLLEGE OF TECHNOLOGY**
NYC DEPARTMENT OF EDUCATION
Substitute Vocational Assistant Program, $47,400
NYS EDUCATION DEPARTMENT
Teacher Opportunity Corps Program (TOC), $39,955
VARIOUS PRIVATE SOURCES
Occupational Competency Testing Institute (OCTI), $872

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**O'BRIEN, RUTH/ALONSO, GASTON — GRADUATE SCHOOL**
U.S. DEPARTMENT OF STATE
The Rise to Globalism: Ideas, Institutions, and American Political Development, $210,091

**O'DONNELL, MARY — COLLEGE OF STATEN ISLAND**
HRSA-DIVISION OF NURSING
Advanced Education Nursing Traineeships, $10,173

**O'NEILL, JOHN — HUNTER COLLEGE**
MOUNT SINAI HOSPITAL
NIDRR Research and Training Center, $30,512
NYS EDUCATION DEPARTMENT
VESID Rehabilitation Counseling Courses, $54,512
NYS OFFICE OF ALCOHOLISM AND SUBSTANCE ABUSE SERVICES
Work Study Specialization in Chemistry, $276,507

U.S. DEPARTMENT OF EDUCATION
Long-Term Training in Rehabilitation Counseling, $99,999
VARIOUS PRIVATE SOURCES
Training for Professional Staff, $67,396

**O'NEILL, JUNE — BARUCH COLLEGE**
MANHATTAN INSTITUTE FOR POLICY RESEARCH, INC.
Gaining Ground? Measuring the Impact of America's Welfare Revolution, $14,313
W. E. UPJOHN INSTITUTE
The Increasing Cost of Health Insurance and it's Impact on the Labor Market, $11,186

**OATES, JOHN — HUNTER COLLEGE**
WILDLIFE CONSERVATION SOCIETY
Facilitating and Supporting Biodiversity Research in Southeastern Nigeria, $36,000

**OGUNUSI, JAMES/HANSON, JACINTH — NYC COLLEGE OF TECHNOLOGY**
NYS EDUCATION DEPARTMENT
Carl D. Perkins Vocational and Technical Education, $182,722

**OLIVER, THOMAS — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative, $14,343

**OLIVER, THOMAS/HEUSNER, WARREN — MEDGAR EVERS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
TRIO Talent Search, $309,892

**OLIVER, THOMAS/LAKE, ANDRE — MEDGAR EVERS COLLEGE**
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
2001 National Youth Sports Program (NYSP), $175,000
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Beacon School Program, $398,000
NYS DEPARTMENT OF LABOR
Progressive Adolescent Vocational Exploration (PAVE) Program, $144,194
THE AFTER-SCHOOL CORPORATION
Better Utilization of Teen Activities (BUTA): To Operate an After School Program Serving 200 Students at MS 2 in District 17, $150,000
U.S. DEPARTMENT OF EDUCATION
Central Brooklyn GEAR UP Partnership, $690,392

**OPPENHEIMER, GERALD — BROOKLYN COLLEGE**
COLUMBIA UNIVERSITY
Applied Public Health Research and Training Program in Tobacco, $16,512

**OREILLY, LILLIAN — BROOKLYN COLLEGE**
NYC DEPARTMENT OF EDUCATION
Breakaways Summer Program, $28,990

**ORTIZ, BENJAMIN — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: DNA Elements, $122,145

**OSLEEB, JEFFREY/KLEIN, YEHUDA — HUNTER COLLEGE**
U.S. DEPARTMENT OF DEFENSE
Earth and Environmental Science, $80,161

**OSTROW, RONA — LEHMAN COLLEGE**
NYS EDUCATION DEPARTMENT
Coordinated Collection Development Aid Application, $11,759

**OTHEGUY, RICARDO/MARTOHARDJONO, GITA — GRADUATE SCHOOL**
ROCKEFELLER BROTHERS FUND
Supporting Language Skills in Immigrant Pre-Schoolers: An Innovative, Structure-Based Program Intervention, $50,000

**PAASWELL, ROBERT — CITY COLLEGE**
NEW JERSEY DEPARTMENT OF TRANSPORTATION
New Jersey Department of Transportation (NJDOT) Consortium, $677,561
NEW JERSEY INSTITUTE OF TECHNOLOGY
Survey of Driver Perceptions of Railroad and Light Rail Warning Devices and Grade Crossings, $3,163
NYS DEPARTMENT OF TRANSPORTATION
University Transportation Research Consortium, $210,000
U.S. DEPARTMENT OF TRANSPORTATION/NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
University Transportation Research Center, $1,112,832

**PADNOS, MARK/SKURDENIS, JULIANN — BRONX C. C.**
NYS EDUCATION DEPARTMENT
Library Collection Aid, $10,249

**PAGAN—UBIDES, MYRNA/ROSE, AUDREY — BRONX C. C.**
U.S. DEPARTMENT OF EDUCATION
Student Support Services Program, $538,589

**PARISI, PETER — HUNTER COLLEGE**
JOHN D. & CATHERINE T. MACARTHUR FOUNDATION
Fellowship Funds, $10,000

**PARKER, NEVILLE — CITY COLLEGE**
SOUTH CAROLINA UNIVERSITY
2003 Summer Transportation Institute, $41,153
UNIVERSITY OF ALABAMA IN BIRMINGHAM
Prototype for Advanced Public Transportation, $56,734

**PARKER, NEVILLE/MOUSKOS, KYRIACOS — CITY COLLEGE**
NEW JERSEY INSTITUTE OF TECHNOLOGY
Development of a Simulator Model of an ITS Priority Corridor, $54,148
Transportation Information and Decision Engineering Center, $50,500

**PARKER, NEVILLE/SQUITIERI, LOUISE/JOHNSON, LEON — OFFICE OF THE CHANCELLOR**
NATIONAL SCIENCE FOUNDATION
Louis Stokes Alliance for Minority Participation Program (LSAMP), $500,000
New York City Alliance for Minority Participation (AMP), $22,500

**PARRA, MERRILL — QUEENSBOROUGH C. C.**
U.S. DEPARTMENT OF EDUCATION
Project Bridge IV: A Support Service Program for Students with Disabilities, Both On-Campus and Homebound, $264,171

**PARSONS, JEFFREY/ADAMS, MICHAEL — HUNTER COLLEGE**
MOUNT SINAI SCHOOL OF MEDICINE
Club Drugs Use and Risky Behavior Among Men, $196,378
Cognitive Behavior Risk Reduction Treatment (Recruitment of Participants Only), $39,982
Pharmacotherapy of Sexually Compulsive Men Who Have Sex with Men, $198,071
NEW YORK UNIVERSITY
Protease Inhibitor Adherence Among Drug Users, $43,733
Club Drugs Use and Men's Health, $7,692
NIH-NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM (NIAAA)
Adherence Intervention for HIV, $886,858

**PARSONS, SIMON — BROOKLYN COLLEGE**
MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)
Always On, $50,000

**PATTERSON, MSHELL/KAHN, ARLENE — LAGUARDIA C. C.**
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $1,519,988

**PATTI, JANET — HUNTER COLLEGE**
NEW JERSEY INSTITUTE OF TECHNOLOGY
Survey of Driver Perceptions of Railroad and Light Rail Warning Devices and Grade Crossings, $3,163
NYC DEPARTMENT OF EDUCATION
Safe Schools Conference and Follow-Up, $2,150
NYS EDUCATION DEPARTMENT
Dwight D. Eisenhower: The School Leader's Center for Change and Renewal (DDE), $130,000
VARIOUS PRIVATE SOURCES
Conference: Safe Schools, Safe Youth, $4,000

**PATTI, JANET/KNOLL, MARCIA — HUNTER COLLEGE**
NEW LEADERS FOR NEW SCHOOLS
Principal Preparation Program: Training of Prospective School Administrators, $19,643

**PAULL, MICHAEL — LEHMAN COLLEGE**
HOSPITAL LEAGUE/1199
Health Care, $226,025
VARIOUS PRIVATE SOURCES
La Familia Fund, $8,000

**PAULL, MICHAEL/STANLEY, CLARENCE — LEHMAN COLLEGE**
CITIBANK
Develop a North Bronx Economic Development and Stabilization Plan, $10,000
RESEARCH FOUNDATION/SUNY
NYS Small Business Development Center (SBDC) Self-Employment Assistance Program, $24,859
The New York State Small Business Development Center (SBDC), $352,818

**PEARSALL, BETTY — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Child Development Center, $201,613

**PEDRAZA, PEDRO — HUNTER COLLEGE**
ANNIE E. CASEY FOUNDATION
Latino Education Research Agenda Project, $42,000
ROCKEFELLER FOUNDATION
National Latino/a Education Research Agenda Project, $162,000
SOCIAL SCIENCE RESEARCH COUNCIL
Cuba Working Group, $5,000

**PERDIKARIS, SOPHIA — BROOKLYN COLLEGE**
REED FOUNDATION, INC.
The Codrington Papers: Antigua, West Indies Research Project, $8,550

**PERDIKARIS, SOPHIA/MCGOVERN, THOMAS — BROOKLYN COLLEGE**
NATIONAL SCIENCE FOUNDATION
Northern Science and Education Program, $140,054
REU: Northern Science and Education Program, $130,709

**PEREZ, ANTONIO/BRAGG, SADIE — BOROUGH OF MANHATTAN C. C.**
VARIOUS PRIVATE SOURCES
BMCC/SUNY Educational Opportunity Center, $247,722

**PEREZ, NELIDA — HUNTER COLLEGE**
NATIONAL ENDOWMENT FOR THE HUMANITIES
Arranging and Describing Records of Puerto Rican Migration History, $230,630

**PERSICO, SEBASTIAN/MANEIRO, FELIX — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Funded Wages, $2,205,297

**PICCIANO, ANTHONY — HUNTER COLLEGE**
ALFRED P. SLOAN FOUNDATION
Systemize and Continue the Program for Sloan-C Presence at the Academic Online Learning Conference, $38,500
Wisconsin Distance Education Conference, $6,500

**PIERCE, VALERIE/CHAUHAN, BHANU — COLLEGE OF STATEN ISLAND**
MERCK COMPANY FOUNDATION
Undergraduate Science Research Program, $20,000

**PIERRE-LOUIS, FRANCOIS — QUEENS COLLEGE**
ROCKEFELLER BROTHERS FUND
Leadership Training for Community Organizations, $75,000

**PLAISIR, JEAN — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
Haitian Bilingual/ESL Technical Assistance Center, $382,971

**PODELL, DAVID — COLLEGE OF STATEN ISLAND**
RESEARCH FOUNDATION/SUNY
Staten Island Small Business Development Center (SI SBDC), $180,000

**PODELL, DAVID/CLARK, BARBARA — COLLEGE OF STATEN ISLAND**
COLLEGE FUND (CUNY MISCELLANEOUS)
The Study Abroad Program at CSI CUNY, $144,023

**POJE, ANDREW — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
Collaborative Research: CMG Lagrangian Analysis of Oceanic Transport, $128,999

**POJE, ANDREW/FRANZBLAU, DEBORAH — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
Stem and Tendril, $74,836

**POLENOVA, TATYANA — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: Solid State NMR of Half-Integer Quadrupolar Vanadium Sites in Vanadium Haloperoxidases, $137,000

**POLIRSTOK, SUSAN — LEHMAN COLLEGE**
NYC DEPARTMENT OF EDUCATION
Community School District 11, $6,125

**POLIRSTOK, SUSAN/QIAN, GAOYIN — LEHMAN COLLEGE**
NYC DEPARTMENT OF EDUCATION
Professional Development Services Agreement with Community School District 10, $43,219

**POSAMENTIER, ALFRED — CITY COLLEGE**
NYC DEPARTMENT OF EDUCATION
Comprehensive Mathematics Education Professional Development Project for Middle and High School Mathematics Teachers, $14,400
Scholarship Program at CCNY, $10,360
Select Programs in Science and Engineering, $170,000
The City College Mathematics Project, $457,160
NYS EDUCATION DEPARTMENT
The TOC Science Collaborative, $35,559
NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIES
Haitian Family Support Services Project, $37,418

**POTASEK, MARY/LAX, MELVIN — CITY COLLEGE**
U.S. AIR FORCE
Investigations of Optical Limiting Involving Light-Matter Interactions, $300,366

**PRASAD, GAUTAMA — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Queens College Foundation (QCF) Administration, $152,160
Queens College Miscellaneous, $21,251

**PRASAD, LORRAINE — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Property Management, $83,276

**PRIESTLEY, GEORGE — QUEENS COLLEGE**
NEW YORK PUBLIC LIBRARY
George Westerman and West Indian Panamanians in the 20th Century, $25,000

**PSOMIADES, HARRY — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Byzantine and Modern Greek Studies, $82,474
NYC CITY COUNCIL
Byzantine and Modern Greek Studies, $25,000

**PURYEAR, ALVIN/FENTON, CHERYL — BARUCH COLLEGE**
RESEARCH FOUNDATION/SUNY
New York State Small Business Development Center (SBDC) Self-Employment Assistance Program, $70,169
New York State Small Business Development Center (SBDC): Baruch College Outreach Center, $340,069
VARIOUS PRIVATE SOURCES
Baruch College Small Business Development Program, $5,000

**QUINONES, VANYA — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)
Career Opportunities in Research Education and Training (CORE) Honors Undergraduate Research Training Grant, $239,591

**RAAB, JENNIFER — HUNTER COLLEGE**
ANDREW MELLON FOUNDATION
The Mellon Minority Undergraduate Program, $35,248
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
Research Center for Study of Gene Structure and Function, $1,783,626

**RACHLIN, JOSEPH — LEHMAN COLLEGE**
CITY PARKS FOUNDATION
Trophic Dynamics of Bronx River Estuarine Fauna, $27,139
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Undergraduate (U-Star Program) at Lehman College, $181,003
WILDLIFE CONSERVATION SOCIETY
Evaluation of the Fauna and Flora of the Bronx River, and Preparation of a Comprehensive Field Guide for Teachers, Students, and Community Based Organizations, $183,618
Fish Passion Feasibility Study, $82,778

**RAIA, FREDERICA/ROSENBERG, SETH — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
An Integrated System for Professional Development to Improve Science and Technology Training and Learning In Grades K-8, $80,000

**RAMOS, GLORIA — HUNTER COLLEGE**
HRSA-DIVISION OF NURSING
Scholarships for Disadvantaged Students (SDS) Program, $77,275

**RANALDI, ROBERT — QUEENS COLLEGE**
NIH-NATIONAL INSTITUTE ON DRUG ABUSE (NIDA)
VTAGABA Mechanism in Cocaine, $23,391

**RANDALL, LAURA — HUNTER COLLEGE**
TINKER FOUNDATION
Prevention of Repetition and Increase of Achievement in Primary Schools in Latin America, $3,393

**RAPHAN, THEODORE — BROOKLYN COLLEGE**
BAYLOR COLLEGE OF MEDICINE
Advanced Techniques for Assessment of Postural and Locomotor Ataxia Spatial Orientation and Gaze Stability, $31,738
MOUNT SINAI HOSPITAL
Context-Specific Spatial Adaptation of the VOR, $45,500
MOUNT SINAI SCHOOL OF MEDICINE
CORE Center, $60,692
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Vestibular Mechanisms in the Dynamics of Locomotion, $343,525

**RAPS, SHIRLEY — HUNTER COLLEGE**
HOWARD HUGHES MEDICAL INSTITUTE
Howard Hughes Medical Institute Grant, $332,500
SIGMA XI, THE RESEARCH SOCIETY, INC.
Support of Just Garcia Hill Computer Facility, $1,500

**RAVINDRAN, KALIAPPA — CITY COLLEGE**
ITT INDUSTRIES
Secure Network, $36,800

**RAY, DONALD/SANCHEZ, CHRISTINE MONE — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. DEPARTMENT OF EDUCATION
Student Support Services Program, $285,191

**RAY, LOUIS — HUNTER COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Ronald E. Mcnair Postbaccalaureate Achievement Program, $226,105
Student Support Services Project, $410,101

**REBER, ARTHUR — BROOKLYN COLLEGE**
NATIONAL SCIENCE FOUNDATION
Fine Tuning the Timing in the Sequential Reaction Time Task, $179,889

**REESE, LINDA — COLLEGE OF STATEN ISLAND**
HRSA-DIVISION OF DISADVANTAGED ASSISTANCE (BHP,HRSA)
Scholarships for Disadvantaged Students (SDS), $59,435

**REID, JULANNE — MEDGAR EVERS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
TRIO Student Support Services, $260,079

**REID, LESLIE — OFFICE OF EXECUTIVE VICE CHANCELLOR – ACADEMIC AFFAIRS**
VARIOUS PRIVATE SOURCES
Lifeber-Rosener Reading Program, $6,000

**REIMERS, CORDELIA — HUNTER COLLEGE**
RUSSELL SAGE FOUNDATION
The Impact of 9/11 on Low-Skilled Labor, $14,350

**RENDON, DIANE — HUNTER COLLEGE**
HRSA-DIVISION OF NURSING
Advanced Education Nursing Traineeships, $86,007
NEW YORK COMMUNITY TRUST
Hunter Bellevue Nursing Fund, $181,030

**RENDON, DIANE/SHERWEN, LAURIE — HUNTER COLLEGE**
NEW YORK COMMUNITY TRUST
Nursing Office of Graduate Recruitment, $118,817

**RESNICK, EILEEN — BRONX C. C.**
NYC DEPARTMENT FOR THE AGING
Project SOS Refugee Program, $749,787

**RICHARDSON, KATHRYN — NYC COLLEGE OF TECHNOLOGY**
HRSA-DIVISION OF NURSING
Scholarships for Disadvantaged Students (SDS) at NYC College of Technology, $190,204

**RICHMAN, GERALD — NYC COLLEGE OF TECHNOLOGY**
COLLEGE FUND (CUNY MISCELLANEOUS)
Financial Aid, $60,424

**RITCHIN, BARBARA — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Center for Unlimited Enrichment Staff Salaries, $21,985

**RIZVI, SYED — COLLEGE OF STATEN ISLAND**
U.S. ARMY
A Modular Clutter Rejection Technique for FLIR Imagery Using Region-Based Principal Component Analysis, $12,990

**ROBERTS, LYNN — HUNTER COLLEGE**
NEW YORK ACADEMY OF MEDICINE
Awareness and Experience of Oppression, Dating Violence, and HIV Risk Behavior Among African-American and Latina/o High School Students, $100,000

**ROBERTS, LYNN/KRAUSS, BEATRICE — HUNTER COLLEGE**
NYS DEPARTMENT OF HEALTH
School Based Initiative, $81,250

**ROCKWELL, PATRICIA — HUNTER COLLEGE**
ALZHEIMER'S ASSOCIATION
Ubiquitin, Inflammation and Cell Death in Alzheimer's Disease, $78,934

**RODRIGUEZ, ESTHER/COCCO DeFILIPPIS, DAISY — HOSTOS C. C.**
COLUMBIA UNIVERSITY
Serrano Scholars Program, $612,598

**RODRIGUEZ, ESTHER/MOLINA, CARLOS — HOSTOS C. C.**
NYS EDUCATION DEPARTMENT
Perkins III Post-Secondary Grant, $455,626

**RODRIGUEZ, VICTORIA/ROTHSTEIN, ANNE — LEHMAN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Para-Educator Pathways to Teaching Careers, $225,640
Para-Educator: Transition to Teaching, $254,827

**ROGERS, WILLIAM — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
Extended School Day/Violence Prevention Program, $200,000
Liberty Partnerships Program, $171,956

**ROGOFF, EDWARD — BARUCH COLLEGE**
VARIOUS PRIVATE SOURCES
New York State Small Business Development Center (SBDC) Research Project, $11,668

**ROJAS, ESTELLA/LaPERLA-MORALES, JOANN — NYC COLLEGE OF TECHNOLOGY**
U.S. DEPARTMENT OF EDUCATION
Developing Hispanic-Serving Institutions, $420,155

**ROMAN, STANFORD — CITY COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Cellular/Molecular Basis of Development Research Center, $300,000
VARIOUS PRIVATE SOURCES
CUNY Medical School Administrative Support, $250,000

**ROMEO, DIANE — NYC COLLEGE OF TECHNOLOGY**
VARIOUS PRIVATE SOURCES
Continuing Education Administration, $71,600

**ROMER, NANCY/REISER, DIANE — BROOKLYN COLLEGE**
CORPORATION FOR NATIONAL SERVICE
Reach for Success: Learn and Serve in Brooklyn, $125,000
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Education Support for Youth Leadership and Learning, $63,175
Education Support for Youth Leadership and Learning, $41,418
RAMAPO ANCHORAGE CAMP, INC.
The Brooklyn College Child Psychology Summer Institute, $6,000
THE AFTER-SCHOOL CORPORATION
Community Partnership for Research and Learning, $116,737
Community Partnership for Research and Learning: After School Advancement Program, $398,214

**ROMERO, MIGDALIA — HUNTER COLLEGE**
PRIVATE ORGANIZATIONS
New York Bilingual Education Technical Assistance Center, $1,600

**ROSA, CHRISTOPHER — QUEENS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
TRIO Student Support Services, $240,845

**ROSENGARTEN, FRANK — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
Research Group on Socialism and Democracy, $26,736

**ROSENTHAL, BILL — HUNTER COLLEGE**
NYS EDUCATION DEPARTMENT
Mathematics Inquiry, Innovation, and Implementation, $83,000

**ROSS, GEORGE — CITY COLLEGE**
U.S. DEPARTMENT OF COMMERCE- ECONOMIC DEVELOPMENT ADMINISTRATION
Environmental Entrepreneurship Program (EEP): Program Development and Enhancement Through the Participation of Computer Science Graduate Students in NOAA's Data Reduction, $228,329

**ROTH, MILLICENT — CITY COLLEGE**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $235,000
Special Legislative Initiative, $32,274

**ROTHBURD, MILTON — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $60,600
Special Legislative Initiative, $8,779

**ROTHSTEIN, ANNE — LEHMAN COLLEGE**
NEW VISION FOR PUBLIC SCHOOLS
School for Teaching and Professions, $148,000
NYC DEPARTMENT OF EDUCATION
Smaller Learning Communities, $200,000
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $77,436
Special Legislative Initiative: Mathematics and Science Through Excellence and Research, $11,219
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Program: Lehman Urban Teacher Education, $249,999

**ROYE, CAROL/KRAUSS, BEATRICE — HUNTER COLLEGE**
NIH-NATIONAL INSTITUTE OF NURSING RESEARCH (NINR)
Dual Methods of Protection from Pregnancies and STDS/HIV, $300,729
WILLIAM T. GRANT FOUNDATION
Dual Methods of Protection from Pregnancies and STDS/HIV, $10,000

**RUCK, MARTIN — GRADUATE SCHOOL**
UNIVERSITY OF MARYLAND
Social Reasoning About Exclusion and Rights, $112,999

**RUIZ, SANDRA — HOSTOS C. C.**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative, $300,000

**RUMAYOR, SANDRA — BOROUGH OF MANHATTAN C. C.**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative, $11,989
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $119,999

**RUMAYOR, SANDRA/MAZUR, STEPHANIE — BOROUGH OF MANHATTAN C. C.**
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP) 2002-2003, $82,750

**RUMAYOR, SANDRA/VAN LOOP, NANETTE — BOROUGH OF MANHATTAN C. C.**
NYS EDUCATION DEPARTMENT
Collegiate Science and Technology Entry Program (CSTEP), $41,240

**RUMAYOR, SANDRA/WONG, ERWIN — BOROUGH OF MANHATTAN C. C.**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program, $191,500

Perkins III Postsecondary Program: Academic Support Services, $1,583,786
Special Legislative Initiative, $7,966

**RUMSCHITZKI, DAVID — CITY COLLEGE**
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Vessel Structure and Pressure, $259,800

**SAADAWI, TAREK/LEE, MYUNG — CITY COLLEGE**
TELCORDIA TECHNOLOGIES, INC.
Telecordia Consortium: Collaborative Technology Alliance for Communications and Networking (CTA C&N), $329,400

**SADEGH, ALI — CITY COLLEGE**
ALCOA-KEEP
Senior Design Mechanical Engineering Project, $14,000
NORTHROP GRUMMAN
Network Architecture for Wireless, $10,000

**SADEGH, ALI/WATKINS, CHARLES —CITY COLLEGE**
CROWN EQUIPMENT CORPORATION
Development of a High-Biofidelity Simulation for Stand-Up Rider Operator Motion During Extreme Dynamic Events, $5,132

**SAEGERT, SUSAN — GRADUATE SCHOOL**
CLINTON SEED FUND
Evaluate the Physical and Financial State of the Co-ops and the Extent to which the Buildings Decision Making Processes are Responsive to Shareholders and Promote Sound Management, $24,868
URBAN HOMESTEADING ASSISTANCE BOARD
Connecting Low-Income Communities to Develop "Digital-Age" Skills, $21,196
VARIOUS PRIVATE SOURCES
The Center for Human Environments (CHE) Payroll Fund, $20,910

**SAENZ DE VITERI, JORGE — BRONX C. C.**
U.S. DEPARTMENT OF EDUCATION
Child Care Access Means Parents in School, $125,747

**SALANE, DOUGLAS — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
UNITED NEGRO COLLEGE FUND, INC.
Computer Clusters to Support Curricular Improvements in Networking Parallel/Distributed Computing, $84,513

**SALMON, ROBERT — HUNTER COLLEGE**
CHARLES FRUEAUFF FOUNDATION
School of Social Work Project Impact, $30,000
NYC HEALTH AND HOSPITALS CORPORATION
Training at Lincoln Hospital, $24,998

**SALMON, ROBERT/GRAZIANO, ROBERTA — HUNTER COLLEGE**
NYC—MENTAL RETARDATION & DEVELOPMENTAL DISABILITY
Social Work Student Training, $1,107,342

**SALMON, ROBERT/SCHAEFER, IRENE — HUNTER COLLEGE**
ASSOCIATION OF COMMUNICATION
Training of Community Resident Staff, $7,295
HELENA RUBENSTEIN FOUNDATION
Scholarships for MSW Students in 1994–1995, $15,000
JEWISH FOUNDATION FOR EDUCATION OF WOMEN
Jewish Foundation Scholarships: Provide 4 Scholarships per Year, for 3 Years, in the Amount of $5000: 2 for Single Women Raising at Least 1 Child and 2 for Women Concentrating in Gerontology, $30,000
SOLON E. SUMMERFIELD FOUNDATION
Scholarships for Social Work Students, $1,000

**SALMON, ROBERT/UNTERBACH, DAVIDA — HUNTER COLLEGE**
PROMESA, INC.
Staff Development Project, $26,250

**SANCHEZ, GEORGE/OLIVER, ELIZABETH — BRONX C. C.**
RESEARCH FOUNDATION/SUNY
Public Service Workshops Program, $13,050

**SANCHEZ-KORROL, V. — BROOKLYN COLLEGE**
NATIONAL ENDOWMENT FOR THE HUMANITIES
Creating an Historical Encyclopedia of Women of Latin American Birth or Heritage in the United States, $68,940

**SANDERS, JAMES/CIACCIO, LEONARD — COLLEGE OF STATEN ISLAND**
NYS EDUCATION DEPARTMENT
Teacher Opportunity Corps: Discovery Project, $43,813
U.S. DEPARTMENT OF EDUCATION
Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), $960,000
Teacher Quality Enhancement, $233,280

**SARACHIK, MYRIAM — CITY COLLEGE**
AMERICAN PHYSICAL SOCIETY
Secretarial Service, $13,750
AMHERST COLLEGE
Toward Quantum Computing with Molecular Magnets: Studies of Spin Dynamics in a Radiation Field, $40,084
NATIONAL SCIENCE FOUNDATION
Experimental Studies in High-Spin Molecular Magnets, $99,000
U.S. DEPARTMENT OF ENERGY
Transport and Microwave Studies of Silicon Inversion Layers, $125,000

**SARACHIK, MYRIAM/VITKALOV, SERGEY — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Collaborative Research: Study of Novel Phases in Two Dimensional Electron Systems in High Magnetic Fields and Low Temperatures, $22,000

**SAUNDERS, WILFORD — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
ESL Workplace Literacy, $19,348

**SAVAGE, ANDREA — HUNTER COLLEGE**
PALLADIA, INC. (FORMERLY PROJ. RTN)
Study of Women and Violence with Co-occuring Substance Abuse and Mental Health Disorders, and the Impact on Their Children, $333,369

**SAVAGE, CARIN — BRONX C. C.**
COMMUNITY COLLEGE HUMANITIES ASSOCIATION
The Consortium for Mathematics and Its Applications, Inc. (COMAP), $25,701
NYS EDUCATION DEPARTMENT
Tutor Certification and Standardization Services, $1,182,978

**SAVAGE, CARIN/SELIGER, MICHAEL — BRONX C. C.**
DHHS/ADMINISTRATION FOR CHILDREN AND FAMILIES (ACF)
Head Start Partnerships with Hispanic-Serving Institutions of Higher Education, $130,000

**SCARLATOS, LORI — BROOKLYN COLLEGE**
NATIONAL SCIENCE FOUNDATION
CRCD: Innovative Approaches to Computer-Human Interfaces, $402,135

**SCHAIER-PELEG, BARBARA — BRONX C. C.**
AMERICAN COUNCIL ON EDUCATION
Kwazulu-Natal Learning for Employment Partnership (KLEP), $125,000

**SCHLEIN, JACK — YORK COLLEGE**
NYS EDUCATION DEPARTMENT
Teacher/Leader Quality Partnership, $42,000
PARAGON TEC, INC.
The Science, Engineering, Mathematics, and Aerospace Academy (SEMAA), $260,626

**SCHMIDT, PETER — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Caumsett Environmental Center Full Time, $302,504
Caumsett Environmental Center Part-Time, $25,432

**SCHMIDT-GLENEWINKEL, THOMAS/RAPS, SHIRLEY —HUNTER COLLEGE**
VARIOUS PRIVATE SOURCES
DNA Synthesis, $3,803

**SCHNEIDER, PATRICIA — QUEENSBOROUGH C. C.**
**NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)**
OCC NIH Bridges to the Future, $208,095

**SCHREIBMAN, MARTIN/MAGLIULO-CEPRIANO, LUCIA — BROOKLYN COLLEGE**
NATIONAL PARK SERVICE
Jamaica Bay Restoration Assessment Program, $160,000

**SCHULMAN, JANE — LAGUARDIA C. C.**
NYS EDUCATION DEPARTMENT
EDGE X, $142,478

**SCHULMAN, JANE/GILBERTO, LINDA — LAGUARDIA C. C.**
NYC HUMAN RESOURCES ADMINISTRATION
Employment Services and Placement Consortium - Central Services, $1,311,520
VARIOUS PRIVATE SOURCES
Division of Continuing Education's Research Development Programs and Taxi Institute Program, $1,700,000

**SCHULMAN, JANE/WATSON, SANDRA — LAGUARDIA C. C.**
NYC DEPARTMENT OF HOUSING PRESERVATION & DEVELOPMENT
Section 8 Family Self-Sufficiency Program, $367,415

**SCHULMAN, STUART — KINGSBOROUGH C. C.**
EWING MARION KAUFFMAN FOUNDATION
Virtual Enterprise: A Model for Entrepreneurship and Life, $50,000

**SCHULZ, HORST — CITY COLLEGE**
CV THERAPEUTICS, INC.
Ranolazine Mechanistic Studies, $17,500
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Metabolism of Unsaturated and Hydroxy Fatty Acids, $271,250

**SCHWARTZ, BRIAN — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Sponsored Research, $3,820

**SCHWARTZ, GARY — LEHMAN COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Program, $226,105

**SCHWARTZ, LAURA — GRADUATE SCHOOL**
VARIOUS PRIVATE SOURCES
Renaissance Society of America, $89,101

**SCHWARTZ, RICHARD — GRADUATE SCHOOL**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Real-Time Examination of Childhood Language Impairment, $323,288
Research Training in Speech and Hearing Sciences, $165,528

**SCHWARZ, STEVEN — QUEENS COLLEGE**
RESEARCH FOUNDATION/SUNY
Garcia Center for Polymers at Engineered Interfaces, $105,444

**SCLAFANI, ANTHONY — BROOKLYN COLLEGE**
NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE, AND KIDNEY DISEASES
Carbohydrate Appetite, Fat Appetite, and Obesity, $264,250
UNIVERSITY OF CINCINNATI
Cincinnati Mouse Diabetes Phenotype, $5,000

**SELF, GLENDA — BRONX C. C.**
NYC DEPARTMENT OF EMPLOYMENT
Project HIRE Adult Training Program, $150,971
NYS DEPARTMENT OF LABOR
Department of Labor: Youth Work Skills, $144,392
SEPTEMBER 11TH FUND
9/11 Fund Employment Assistance Program, $6,000

**SELF, GLENDA/SANCHEZ, GEORGE — BRONX C. C.**
YONKERS PRIVATE INDUSTRY COUNCIL, INC.
Project HIRE: ITAs, $54,000

**SHAKIN, CARL — BROOKLYN COLLEGE**
SEMICONDUCTOR CHARACTERIZATION INSTITUTE
Thermal Conductivity Measurements of GAN and Related Materials Using Scanning Thermal Microscopy, $27,593

**SHANLEY, DEBORAH — BROOKLYN COLLEGE**
UNITED FEDERATION OF TEACHERS
United Federation of Teachers Cooperative Project, $834,920
VARIOUS PRIVATE SOURCES
Long Island Teacher Association Cooperative Project: Brooklyn College School of Education Consortium, $478,285

**SHANLEY, DEBORAH/IRGANG, VICKI — BROOKLYN COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Program Development Support, $10,000

**SHANLEY, DEBORAH/PHILLIPS, STEPHEN — BROOKLYN COLLEGE**
NEW VISION FOR PUBLIC SCHOOLS
New Century High Schools Planning Grant, $407,530

**SHAPIRO, NORMAN — CITY COLLEGE**
**NYS EDUCATION DEPARTMENT**
New York State Higher Education Teacher/Leader Quality Partnerships, $64,000
U.S. DEPARTMENT OF EDUCATION
Consortium for the Advancement of Teaching with Technology (CATT), $332,800

**SHATTUK, MARK — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: Granular Media Experimental Kinetic Theory, $88,297

**SHERBY, LOUISE/WONSEK, PAMELA — HUNTER COLLEGE**
NYS EDUCATION DEPARTMENT
Library Collection Aid, $21,402

**SHILLING, WYNNE — YORK COLLEGE**
NYC DEPARTMENT OF EDUCATION
Literacy Enhancement Project, $234,500

**SHINNAR, REUEL — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Coalescence and Phase Separation During Spinodal Decomposition of Solvent Mixtures Far from Critical Point, $106,623

**SHIPP, SIGMUND — HUNTER COLLEGE**
ANNIE E. CASEY FOUNDATION
Support the Research on How Faith-Based Community Development Corporations Have Provided Housing, Social Services, and Jobs to Low-Income Residents Who Live in Neighborhoods Where These Institutions Are Located, $15,000
FORD FOUNDATION
Black Church/Black College Project, $32,500

**SHNEYERSON, LEV — HUNTER COLLEGE**
U.S. DOD-NATIONAL SECURITY AGENCY
Growth and Identities of Semigroups, $12,298

**SHOR, STUART — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
Caribbean Research Center Operations, $2,685
LEHMAN COLLEGE ASSOCIATION
Lehman College Association, $379,169

**SIDER, GERALD/LAWRENCE, CHRISTOPHER — GRADUATE SCHOOL**
NATIONAL SCIENCE FOUNDATION
Doctoral Dissertation Research: Globalization, Gender, and Inequality in Rural Greece, $12,000

**SILBERMAN, ROSANNE — HUNTER COLLEGE**
LAVELLE FUND FOR THE BLIND, INC.
Preparation of Teachers of the Visually Impaired as Orientation and Mobility Specialists, $47,559
LIGHTHOUSE, INC.
VTR Program: Overcoming Vision Impairment Through Rehabilitation, Education, and Research, $39,000
NEW YORK INSTITUTE FOR SPECIAL EDUCATION
Training Program for Vision Rehabilitation: Professionals and Paraprofessionals, $2,500
STATE UNIVERSITY OF NEW YORK-ALBANY
Intensive Teacher Institute for Teachers of the Blind/Visually Impaired and Deaf/Hearing Impaired, $24,600
U.S. DEPARTMENT OF EDUCATION
Special Education: Personnel Preparation to Improve Services and Results for Children with Disabilities, $200,000
Specialized Personnel for Rehabilitation of Individuals Who Are Blind or Have Vision Impairments, $19,071

**SILVERMAN, LINDA — NYC COLLEGE OF TECHNOLOGY**
NYS EDUCATION DEPARTMENT
Dwight D. Eisenhower Higher Education Professional Development, $75,000
Special Legislative Project, $14,343

**SIMMONS, ESMERALDA — MEDGAR EVERS COLLEGE**
COMMUNITY SERVICE
Parent Training Program, $15,546

**SIMMONS, ESMERALDA/RIDDICK, GWENDOLYN — MEDGAR EVERS COLLEGE**
NYC DEPARTMENT OF EDUCATION
Professional Development and Related Services for School Leadership Throughout the School System, $12,750

**SINGER, RACHEL/BERNSTEIN, ANITA — KINGSBOROUGH C. C.**
MANPOWER DEMONSTRATION RESEARCH CORPORATION
Opening Doors Learning Communities, $57,000

**SIT, WILLIAM/IANNI, JERRY — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
East Coast Computer Algebra Day 2002, $22,079

**SLATER, MORTON — CITY COLLEGE**
NYS DEPARTMENT OF HEALTH
Sophie Davis Bridge to Medicine Grant, $150,000

**SLATER, MORTON/ILER, ELISABETH — CITY COLLEGE**
IRENE DIAMOND FOUNDATION
Gateway to Higher Education, $375,000
NYS EDUCATION DEPARTMENT
Science and Technology Entry Program (STEP), $321,000
Special Legislative Projects: Gateway to Higher Education Program, $46,505
VARIOUS PRIVATE SOURCES
Gateway to Higher Education Program, $5,000

**SMALL, GILLIAN — CITY COLLEGE**
AMERICAN HEART ASSOCIATION
Peroxisome Proliferation and Regulation, $71,500
NIH-NATIONAL INSTITUTE OF DIABETES, DIGESTIVE, AND KIDNEY DISEASES
Peroxisome Biogenesis and Regulation in Yeast, $42,002
PFIZER
Characterization of Novel Proteins Involved in Sterol Homeostasis, $110,000

**SMITH, GAIL — GRADUATE SCHOOL**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Bridges to the Doctorate, $524,514

**SMITH, GAIL/SCHWARTZ, BRIAN — GRADUATE SCHOOL**
IRENE DIAMOND FOUNDATION
CUNY Pipeline Grant, $67,185
NATIONAL SCIENCE FOUNDATION
Minority Access/Graduate Networking in the Sciences, Engineering, and Mathematics, $494,888

**SMITH, GARY — CITY COLLEGE**
U.S. DEPARTMENT OF AGRICULTURE
Summer Food Program: USDA Summer Food Service, $9,805

**SMITH, NONA — NYC COLLEGE OF TECHNOLOGY**
COMMUNITY COUNSELING & MEDIATION
Expanding Options for Teen Parents and Youth, $40,000
NYC DEPARTMENT OF YOUTH AND COMMUNITY DEVELOPMENT
Expanding Options for Teenage Parents, $9,852

**SMITH, NONA/SONNENBLICK, CAROL — NYC COLLEGE OF TECHNOLOGY**
VARIOUS PRIVATE SOURCES
Access for Women, $22,250

**SOFAER, SHOSHANNA — BARUCH COLLEGE**
CENTER FOR HEALTH CARE STRATEGIES, INC.
The Development of the Conceptual Framework and Performance Measures for Coordinating the Care of Medicaid Managed Enrollees with Special Health Care Needs, $14,142
HARVARD UNIVERSITY
Consumer Assessment of Health Plans Study (CAHPS) II, $211,192
ROBERT WOOD JOHNSON FOUNDATION
Consumer Driven Health Plans, $128,060

**SOMMER, KRISTIN/WEINER, RICHARD L. — BARUCH COLLEGE**
NATIONAL SCIENCE FOUNDATION
Psychology as an Applied Science: Research Experience for Undergraduates at Baruch College of CUNY, $192,332

**SONNENBLICK, CAROL — COLLEGE OF STATEN ISLAND**
NYS EDUCATION DEPARTMENT
Learning Lab at the Richmond Job Center, $6,380

**SONNENBLICK, CAROL/HOFFMAN, CHUCK — NYC COLLEGE OF TECHNOLOGY**
BROOKLYN WORKFORCE INNOVATIONS
Memorandum of Understanding between the Brooklyn Workforce Innovations (BWI) and New York City Technical College's Division of Continuing Education and External Partnerships, $48,322

**SPERGEL, MARTIN — YORK COLLEGE**
NASA
York College Observatory Educational Outreach Service to the College and Public School Community, $192,000

**SPIELMAN, JANE — CITY COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Professional Development in Literacy for Teachers, Counselors, and Families, $10,408
NYC DEPARTMENT OF EDUCATION
Center for Educational Options to Provide Staff Development Services and Technical Assistance in Alternative Assessment of Student Achievement, $50,608

**SPROUL, BARBARA — HUNTER COLLEGE**
ALAVI FOUNDATION
Course Support, $7,500

**ST. JOHN, KATHERINE — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
ITR/AP: Collaborative Research: Exploring the Tree of Life, $114,348

**ST. JOHN, KATHERINE/CLEARY, SEAN — LEHMAN COLLEGE**
NATIONAL SCIENCE FOUNDATION
MRI: Parallel Computing Environment for Computational Mathematics, $173,673

**ST. JOHN, RONALD — YORK COLLEGE**
U.S. DEPARTMENT OF AGRICULTURE
New York Summer Food Service Program, $17,927

**STAMOS, IOANNIS — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
CAREER: Photorealistic 3-D Modeling, $78,074

**STARK, JOEL — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Communications Arts and Sciences, $93,575
NEW YORK COMMUNITY TRUST
Queens College Speech-Language Hearing Center, $10,000

**STARK, RUTH — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
Molecular Structure and Function of Protective Plant Polymers, $125,000
RCN: Networking Tools, $99,721
RUTGERS UNIVERSITY
Fatty Acid Transport in the Intestine, $46,139

**STARK, RUTH/BATTEAS, JAMES — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
Research Experience for Undergraduates in Chemistry at CUNY CSI, $60,000
U.S. - ISRAEL BINATIONAL SCIENCE FOUNDATION
Binational Agricultural Research and Development Fund (BARD): Understanding the Hardening Syndrome of Potato (Solanum Tuberosum) Tuber Tissue to Eliminate Textural Defects in Fresh and Fresh-Peeled/Cut Products, $39,200

**STEINBERG, MARK — CITY COLLEGE**
BATTELE
Time Dependent Gene-Array Studies of Normal and Immortalized Human Keratinocytes Exposed to Different Concentrations of Sulfur Mustard and Lewisite (STO A and N), $13,636

**STEINER, JEFFREY/GOTTLIEB, PAUL — CITY COLLEGE**
ROCKEFELLER BROTHERS FUND
Complexity Issues in the Modeling of the Transport of Aerosol Aggregates, $25,000

**STERN, MICHELE/BLOOM, JOYCE — BRONX C. C.**
U.S. DEPARTMENT OF AGRICULTURE
National Sports Camp, $15,363

**STEVENS—ARROYO, A. — BROOKLYN COLLEGE**
LILLY ENDOWMENT
Dissemination of Study of Latino Congregations, $537,022
To Provide Support for the Compilation of Research and the Production of Books Disseminating Key Findings of the National Survey of Leadership in Latino Parishes and Congregations, $7,500

**STICKNEY, BETH — GRADUATE SCHOOL**
U.S. DEPARTMENT OF EDUCATION
Ronald E. McNair Postbaccalaureate Achievement Program: Project ASCEND, $264,528

**STRANGE, WINIFRED — GRADUATE SCHOOL**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Cross-Language Studies of Vowel Acoustics and Perception, $304,227

**STRANGE, WINIFRED/SHAFIRO, VALERIY — GRADUATE SCHOOL**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
1F31 Predoctoral Fellowship, $24,016

**STREIBY, REID — BRONX C. C.**
PARTNERSHIP FOR ENVIRONMENTAL TECHNOLOGY EDUCATION
Energy Services and Technology Program, $4,200
U.S. DEPARTMENT OF COMMERCE- ECONOMIC DEVELOPMENT ADMINISTRATION
BCC Environmental Technology Program, $250,000

**STREKAS, THOMAS - QUEENS COLLEGE**
AMERICAN CHEMICAL SOCIETY
To Support the Development and Implementation of a Program to Prepare Doctoral Students for the Professoriate, $5,000

**STROZIER, CHARLES — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
SIMONS FOUNDATION
Lifton Fellowship Programme, $25,000
The Superpower Syndrome: Entering a New Age of Extremes, $3,342

**STURMEY, PETER/POULSON, CLAIRE — QUEENS COLLEGE**
NYS EDUCATION DEPARTMENT
Develop and Deliver Undergraduate, Graduate, and Inservice Courses Relating to the Education of Students with Autism Spectrum Disorders, $25,000

**SUMTER, ANTOINETTE — YORK COLLEGE**
ENVIRONMENTAL PROTECTION AGENCY
York College Environmental Stewardship Academy, $16,700

**SUNDARAM, BALA — COLLEGE OF STATEN ISLAND**
NATIONAL SCIENCE FOUNDATION
Mixed Phase Spaces: Templates for Quantum Manipulation, $36,000

**SUSSER, IDA — HUNTER COLLEGE**
JOHN D. & CATHERINE T. MACARTHUR FOUNDATION
Fellowship Funds, $10,000

**SWARTZ, KARYL — LEHMAN COLLEGE**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MBRS/SCORE Project at Lehman College, $1,616,999

**SZALAY, FREDERICK/WARSHAW, JOHANNA – HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Doctoral Dissertation Improvement: Comparative Primate and Mammalian Bone Microstructure, $8,491

**TAMARGO, MARIA/MUNOZ, MARTIN — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Wide Bandgap II-VI Compounds for Quantum Cascade Lasers, $170,000

**TARBELL, JOHN — CITY COLLEGE**
NASA
Microgravity Effects on Transvascular Transport and Vascular Control, $57,785
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
Type 7: Wall Shear Stress in the Cardiovascular System, $333,412

**TASAYCO, MARIA LUISA — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
Learning About Protein Unfolded States from Heterodimeric Fragment Complementation, $110,000

**TAYLOR, DAVID — YORK COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
York College of CUNY Financial Aid: Delinquent Fee Collection, $23,150

**TCHERNICHOWSKI, OFER — CITY COLLEGE**
NIH-NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS
Behavioral Mechanisms of Vocal Imitation, $267,750

**TERRY, KAREN — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. CONFERENCE OF CATHOLIC BISHOPS
The Nation and the Scope of the Problem of Sexual Abuse of Children by Catholic Priests and Deacons within the United States, $288,266

**TERRY, SHERRI-ANN/BYGRAVE-DOZIER, SANDRA — QUEENSBOROUGH C. C.**
NYS EDUCATION DEPARTMENT
Liberty Partnerships Program Project Prize, $241,221

**TEXEIRA, KAREN — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
U.S. DEPARTMENT OF EDUCATION
Upward Bound Program, $437,916

**THANGARAJ, ELIZABETH — CITY COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Student Support Services Program, $481,530

**THOMAS, RONALD/CORBIE, LEO — YORK COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Continuing Education, $500,000

**TITONE, ALFRED — YORK COLLEGE**
RESEARCH FOUNDATION/SUNY
New York State Small Business Development Center, $250,000
The New York State Small Business Development Center (SBDC) Self Employment Assistance Program, $21,266

**TITONE, ALFRED/CABAN, ROSETTA — YORK COLLEGE**
RESEARCH FOUNDATION/SUNY
National Disaster Relief, $85,053

**TOK, JEFFREY — YORK COLLEGE**
AMERICAN CHEMICAL SOCIETY
Control of Gene Expression, $17,500
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Scientific Equipment Grant, $12,500

**TOLLIVER, WILLIE/SAINZ, ANTHONY — HUNTER COLLEGE**
NYC DEPARTMENT OF EDUCATION
Project Grow: Staff Leadership Professional Development, $194,652

**TOMASZ, MARIA — HUNTER COLLEGE**
NIH-NATIONAL CANCER INSTITUTE (NCI)
Type 2: Adducts of Mitomycin C with Nucleotides, $242,548

**TOMKIEWICZ, MICHA - BROOKLYN COLLEGE**
NATIONAL RESEARCH COUNCIL
Photocatalytic Decomposition of Organic Pollutants, $795

**TRAMONTANO, WILLIAM — LEHMAN COLLEGE**
LEHMAN COLLEGE FOUNDATION
Developmental Support of Research, $7,236

**TRENKNER, EKKHART — COLLEGE OF STATEN ISLAND**
NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIES
Improvement of Pre- and Postdoctoral Education and Research in Developmental Neuroscience and Developmental Disabilities, $580,650

**TRES, LAURA — CITY COLLEGE**
NIH-NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
Bioregulation of the Spermatogonial Stem Cell Lineage, $202,022

**TRUESDELL, LEE ANN — QUEENS COLLEGE**
NYC DEPARTMENT OF EDUCATION
Support Services and Innovative Educational Approaches at IS 227 Queens, $250,000

**TRUESDELL, LEE ANN/LOPEZ, EMILIA — QUEENS COLLEGE**
NYC DEPARTMENT OF EDUCATION
Scholarship Program, $2,405

**TUCKER, EDWARD — BARUCH COLLEGE**
NATIONAL SCIENCE FOUNDATION
Crytochrome, Calcium Waves and Side-Branch Formation in P. Patens, $75,125

**TUNG, RAYMOND — BROOKLYN COLLEGE**
NATIONAL SCIENCE FOUNDATION
NER: Combined UHV and Liquid Phase (CULP) Processing of Self-Assembled Nanostructures and Novel Interfaces, $99,849

**TURNER, CHARLES — QUEENS COLLEGE**
JOHNS HOPKINS UNIVERSITY
Assessment Mode and Validity of Self-Reports in Adults, $17,139

**TURNER, MICHAEL — HUNTER COLLEGE**
FORD FOUNDATION
Afro-Latino Institutional Assistance, Public Forum, and Student Internship Program, $100,000

**UGORETZ, JOSEPH/BRAGG, SADIE — BOROUGH OF MANHATTAN C. C.**
GEORGETOWN UNIVERSITY
Visible Knowledge Project, $8,000

**VALIAN, VIRGINIA/RABINOWITZ, VITA/PIZER, RICHARD/RAPS, SHIRLEY — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Advance: Institutional Transformation Award, $6,000

**VAN RYZIN, GREGG/WEIKART, LYNNE — BARUCH COLLEGE**
NYC DEPARTMENT OF EDUCATION
Project for Rockaway Youth in Safety and Education (PRYSE), $183,560

**VAUGHN, SUSAN/HIGGINBOTHAM, BARBARA — BROOKLYN COLLEGE**
NYS EDUCATION DEPARTMENT
Library Collection Aid, $17,834

**VAZQUEZ, JOSE/NOTOWIDIGDO, IWAN — HUNTER COLLEGE**
NYS EDUCATION DEPARTMENT
Bilingual Education Technical Assistance Center, $464,204

**VAZQUEZ, MARIBEL — CITY COLLEGE**
U.S. AIR FORCE
BBCC/MI Instrumentation Development of a Micro and Nanofabrication Facility, $180,000

**VEIT, RICHARD — COLLEGE OF STATEN ISLAND**
CHARLES BLAKE FOUNDATION-NUTTALL ORNITHOLOGICAL SOCIETY
Restoration of Endangered Roseate Terns on Muskeget Island, Massachusetts, $10,500
NATIONAL SCIENCE FOUNDATION
CAREER: Dynamics of Predator-Prey Behavior in the Antarctic Ocean, $79,016

**VOLPE, MARIA — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLLEGE FUND (CUNY MISCELLANEOUS)
CUNY Dispute Resolution Consortium, $6,244
LAURA B. VOGLER FOUNDATION
Seniors Swim and Solve Program, $2,500
UNIVERSITY OF COLORADO
CUNY Dispute Resolution Consortium, $7,000
W.F. HEWLETT FOUNDATION
CUNY Dispute Resolution Consortium, $100,000

W

**WACH, HOWARD — BRONX C. C.**
COMMUNITY COLLEGE HUMANITIES ASSOCIATION
Digitizing the Humanities at Bronx Community College, $3,000

**WALLMAN, JOSHUA — CITY COLLEGE**
NIH-NATIONAL EYE INSTITUTE (NEI)
Role of Vision in Etiology of Axial Myopia, $445,118

**WALSH, ELAINE — HUNTER COLLEGE**
NYS EDUCATION DEPARTMENT
Pre-College After School Program for Neighborhood High Schools, $258,500
NYS OFFICE OF CHILDREN AND FAMILY SERVICES
Project Support, $5,000

**WASHINGTON, VALERIE — LEHMAN COLLEGE**
NYS EDUCATION DEPARTMENT
Lehman College/District 9 Collaboration, $98,616
Teacher Opportunity Corps (TOC), $58,287

**WASSERMAN, SUZANNE — GRADUATE SCHOOL**
NYC DEPARTMENT OF EDUCATION
History, First Hand: A Teaching American History Project, $196,300
VARIOUS PRIVATE SOURCES
Gotham Center: Education, $20,544

**WATERS, GLORIANA/BROWN, ARTHUR — OFFICE OF VC — FACULTY & STAFF RELATIONS**
COLLEGE FUND (CUNY MISCELLANEOUS)
University Personnel Office: Office of the Vice Chancellor for Faculty and Staff Relations, $52,070

**WATKINS, CHARLES/GUMBS, GODFREY — CITY COLLEGE**
NATIONAL SCIENCE FOUNDATION
CREST Center for Mesoscopic Modeling and Simulation, $400,000

**WATSON, SANDRA — LAGUARDIA C. C.**
NYC DEPARTMENT OF EMPLOYMENT
In-School Youth Employment Program (YEP), $232,536
Youth Employment Program (YEP) Workforce Investment Act (WIA), $203,146

**WATSON, SANDRA/DEJESUS, RUTH — LAGUARDIA C. C.**
NYS DEPARTMENT OF LABOR
Project ACHIEVE: Another Change Initiative for Education, Vocation, or Employment, $144,076

**WATSON, SANDRA/KYDD, JANICE/BALDONEDO, CLAUDIA — LAGUARDIA C. C.**
NYS DEPARTMENT OF LABOR
The Senior Green Team Program, $77,185

**WAXMAN, JERRY — QUEENS COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Fund for the Improvement of Postsecondary Education (FIPSE): Exploring Quantitative Relationships: A New Approach to Mathematical Literacy, $90,475

**WEIL, EDWARD/LUBNER, MAXINE — YORK COLLEGE**
PORT AUTHORITY OF NEW YORK / NEW JERSEY
Aviation Institute Agreement, $200,000

**WEINBAUM, SHELDON — CITY COLLEGE**
NIH-NATIONAL ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES (NIAMS)
Cytoskeletal Strain Amplification Due to Bone Fluid Flow, $736,605
NIH-NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI)
A National Urban Model for Minority Undergraduates, $391,132
UNIVERSITY OF CALIFORNIA - DAVIS
New Approach to Endothelial Cleft Structure, $141,721
WHITAKER FOUNDATION
Creation of a New Department and Undergraduate Degree Program in BME using the Resources of an Urban Consortium, $326,482
YALE UNIVERSITY
Axial Flow Effects in Proximal Tubules, $86,639

**WEINER, MICHAEL — CITY COLLEGE**
NASA
Technology Integrated Program for Preparation of Tomorrow's MSET Teachers, $200,000
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
MARC Honors Undergraduate Research, $352,886
MBRS/RISE at CCNY: Research Support for Biomedical Careers at CCNY, $365,725

**WEINER, MICHAEL/GOLDSTEIN, ELLEN — CITY COLLEGE**
U.S. DEPARTMENT OF EDUCATION
Fund for the Improvement of Postsecondary Education (FIPSE): Science and Mathematics for the New Millenium: An Online Virtual Classroom for Tomorrow's Urban Teachers, $143,631

**WEISBERG, MICHAEL — KINGSBOROUGH C. C.**
NASA
Petrologic: Geochemical Studies of Primitive Solar System Materials, $44,000

**WEISS, THOMAS — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
United Nations Intellectual History Project, $255,494

**WEISSMAN, HAROLD — HUNTER COLLEGE**
NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE
OTDA Management Training and Quality Assurance Seminars for HRA/NYC, $46,080

**WENGLINSKY, HAROLD — BARUCH COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
School Safety, $17,097

**WENZEL, MICHELL — BRONX C. C.**
U.S. DEPARTMENT OF EDUCATION
Developing Hispanic-Serving Institutions: Improving Freshman Year Outcomes, $504,129

**WETTAN, RICHARD — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Athletics Auxiliary, $341,406
Athletics Full Time, $658,470
Queens College of CUNY Athletics Support Program, $113,302
Summer Sports Camp, $520,571

**WHEELER, DARRELL — HUNTER COLLEGE**
CDC-CENTER FOR PREVENTION SERVICES (CPS)
Intergovernmental Personnel Act, $28,230

**WHIPKEY, SHERMAN — COLLEGE OF STATEN ISLAND**
NYC DEPARTMENT OF EDUCATION
Pell Grant Administration Fund, $44,000

**WHITLOCK, PAULA/KOPEC, DANNY — BROOKLYN COLLEGE**
NATIONAL SCIENCE FOUNDATION
Science Tutor: Online Tutoring, $74,985

**WIERASZKO, ANDRZEJ — COLLEGE OF STATEN ISLAND**
NIH-NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCE (NIEHS)
The Influence of Static Magnetic Fields on Brain Tissue, $126,750

**WILKINSON, PATRICIA/SHER, LAWRENCE — BOROUGH OF MANHATTAN C. C.**
U.S. DEPARTMENT OF EDUCATION
Minority Science and Engineering Improvement Project, $22,738
4 Colleges: Calculus + Enhancement, $157,430

**WILLIAMS, CLAIBOURNE — HUNTER COLLEGE**
AMERICAN LIBRARY ASSOCIATION
Assessing Student Learning Outcomes on Information Literacy Programs: Training Academic Librarians, $1,200

**WILLIAMS, GREGORY — CITY COLLEGE**
NIH-NATIONAL CENTER FOR RESEARCH RESOURCES (NCRR)
Cellular/Molecular Basis of Development Research, $3,007,363

**WILLIAMS, MARIA — YORK COLLEGE**
NYS DEPARTMENT OF LABOR
Education for Gainful Employment, $59,013
NYS EDUCATION DEPARTMENT
Workforce Investment Act: ESOL, $74,999

**WILSON, BASIL — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
NYS EDUCATION DEPARTMENT
Special Legislative Initiative: Provost Research, $10,987

**WILSON, BASIL/MARINI, JACOB — JOHN JAY COLLEGE OF CRIMINAL JUSTICE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Administrative and Academic Support, $75,000

**WINTER, AMY — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Godwin-Ternbach Museum, $16,008
LOWER HUDSON CONFERENCE
Conservation of Two Paintings by Abel Grimmer, $1,400

**WITHERS, DORIS — MEDGAR EVERS COLLEGE**
NYS EDUCATION DEPARTMENT
VATEA Academic Support Services, $415,348

**WOLBERG, GEORGE — CITY COLLEGE**
U.S. NAVY
Log-Polar Transforms for Optical Image Processing and Target Recognition, $197,166

**WOLFE, MARCIE — LEHMAN COLLEGE**
MAMARONECK UNION FREE SCHOOL DISTRICT
Workshop Series in the Teaching, $13,500
NATIONAL SCIENCE FOUNDATION
Teacher Leaders for Mathematics Success (TL=MS), $285,154
NATIONAL WRITING PROJECT
National Writing Project University of Oklahoma Technical Support, $2,000
NYC DEPARTMENT OF EDUCATION
Literacy studies, $80,482
Student Academic Support Services in the Areas of Reading and Mathematics, $307,300
Student Academic Support Services in the Areas of Reading and Mathematics, $321,247
PHIPPS HOUSES
Improvement of Home and Early Child, $8,200
ROBERT BROWNE FOUNDATION
Reading, Writing, and Learning: Supporting Literacy in After-School Programs, $80,000
UNITED FEDERATION OF TEACHERS
New York City Mathematics Project Services to Teachers in CSD 9, $14,920
WHITE PLAINS CITY SCHOOL DISTRICT
NYC Mathematics Project: White Plains Public School District, $16,600

**WOLFE, MARCIE/CAMPOS, ANNE — LEHMAN COLLEGE**
J.P. MORGAN FOUNDATION
Competitive Grant 2003: Precollegiate Education, $15,000
NATIONAL WRITING PROJECT
National Writing Project: High School Projects and Programs at Designated Sites, $41,000
NYC DEPARTMENT OF EDUCATION
Literacy Instruction and Professional Development Services for Region 10 Even Start Program, $553,740
VARIOUS PRIVATE SOURCES
Institute for Literary Studies/New York City Writing Project: Meetings and Newsletter Fees, $9,361

**WOLFE, MARCIE/WASSERMAN, PAUL — LEHMAN COLLEGE**
NYS DEPARTMENT OF LABOR
EDGE XI Program, $91,120

**WOYTOWICH, RICHARD — NYC COLLEGE OF TECHNOLOGY**
UNITED NEGRO COLLEGE FUND, INC.
Curriculum Improvement Partnership Award Program (CIPA): Computer Engineering Technology: Computer Based Control, $92,567

**WRIGLEY, JULIA — GRADUATE SCHOOL**
COLLEGE FUND (CUNY MISCELLANEOUS)
Children's Care Giver, $28,735

Y

**YANG, NAN-LOH/DISENHOUSE, MASADA — COLLEGE OF STATEN ISLAND**
HOECHST CELANESE COMPANY
Cooperative Research Program to Explore the Cationic Copolymerization of Trioxane, $31,808

**YAU, SIU-TUNG - HUNTER COLLEGE**
U.S. NAVY
Nanofabrication Techniques, $7,600

**YINGLING, VANESSA — BROOKLYN COLLEGE**
NIH-NATIONAL INSTITUTE ON AGING (NIA)
The Effects of Delayed Menarche on Peak Bone Mass in Rats, $151,000

Z

**ZADOIAN, HRATCH/PRASAD, GAUTAMA — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Financial Aid, $25,220

**ZAKERI, ZAHRA — QUEENS COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Cell Death Society, $3,564

**ZANDERER, LEO — BROOKLYN COLLEGE**
BERNARD AND IRENE SCHWARTZ FOUNDATION, INC.
Constructing Knowledge, $9,500

**ZEIGLER, HARRIS — HUNTER COLLEGE**
NATIONAL SCIENCE FOUNDATION
Conference on the Behavioral Neurobiology of Birdsong, $30,000
NIH-NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS)
Conference on Behavioral Neurobiology of Birdsong, $40,000
Whisking: Development of an "Active Touch" System, $300,000

**ZEITLIN, ARTHUR — KINGSBOROUGH C. C.**
NIH-NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCE (NIGMS)
Bridge to the Baccalaureate: The Brooklyn Bridge, $181,429

**ZEVIN, JACK/KRASNER, MICHAEL — QUEENS COLLEGE**
TAFT INSTITUTE
Civic Education Program, $31,274

**ZHENG, YAN — QUEENS COLLEGE**
COLUMBIA UNIVERSITY
Arsenic Mobilization in Bangladesh Groundwater, $59,095

**ZINNANTI, LEONARD — HUNTER COLLEGE**
NYC CITY COUNCIL
Consultant Services, $35,000

**ZINNANTI, LEONARD/NEILL, SHARON — HUNTER COLLEGE**
COLLEGE FUND (CUNY MISCELLANEOUS)
Collection Activity, $49,478

**ZOE, LUCINDA — HOSTOS C. C.**
NATIONAL ENDOWMENT FOR THE HUMANITIES
Trailblazers of the Americas, $25,500

## SPONSOR ABBREVIATIONS

| | |
|---|---|
| **ACLS** | American Council of Learned Societies |
| **AFOSR** | Air Force Office of Scientific Research |
| **ARO** | Army Research Office |
| **AID** | Agency for International Development |
| **BHP** | Bureau of Health Professions |
| **BNL** | Brookhaven National Laboratory |
| **BRFC** | Black Rock Forest Consortium |
| **CNCS** | Corporation for National and Community Service |
| **DARPA** | Defense Advanced Research Projects Agency |
| **DHHS:** | Department of Health and Human Services |
| **PHS:** | Public Health Service |
| **ACF** | Administration for Children and Families |
| **AHRQ** | Agency for Health Care Research & Quality |
| **AOA** | Administration of Aging |
| **ASPE** | Office of Assistant Secretary for Planning and Evaluation |
| **CDC:** | Centers for Disease Control and Prevention |
| NCEH | National Center for Environmental Health |
| NCID | National Institute for Infectious Diseases |
| NIOSH | National Institute for Occupational Safety and Health |
| **FDA** | Food and Drug Administration |
| **HRSA** | Health Resources and Services Administration |
| BHPr | Bureau of Health Professions |
| **NIH:** | National Institutes of Health |
| FIC | John E. Fogarty International Center |
| NCI | National Cancer Institute |
| NCCAM | National Center for Complimentary & Alternative Medicine |
| NCMHHD | National Center on Minority Health and Health Disparities |
| NCRR | National Center for Research Resources |
| NEI | National Eye Institute |
| NHGRI | National Human Genome Research Institute |
| NHLBI | National Heart, Lung and Blood Institute |
| NIA | National Institute of Aging |
| NIAAA | National Institute of Alcohol Abuse and Alcoholism |
| NIAID | National Institute of Allergy and Infectious Diseases |
| NIAMS | National Institute of Arthritis and Musculoskeletal and Skin Diseases |
| NIBIB | National Institute of Biomedical Imaging and Bioengineering |
| NICHD | National Institute of Child Health and Human Development |
| NIDA | National Institute on Drug Abuse |
| NIDCD | National Institute on Deafness and Other Communication Disorders |
| NIDCR | National Institute of Dental and Craniofacial Research |
| NIDDK | National Institute of Diabetes and Digestive and Kidney Diseases |
| NIDR | National Institute of Dental Research |
| NIEHS | National Institute of Environmental Health Sciences |
| NIGMS | National Institute of General Medical Sciences |
| NIMH | National Institute of Mental Health |
| NINR | National Institute of Nursing Research |
| NINDS | National Institute of Neurological Disorders and Stroke |
| NLM | National Library of Medicine |
| **OASH** | Office of Assistant Secretary of Health |
| **SAMHSA:** | Substance Abuse and Mental Health Services Administration |
| CMHS | Center for Mental Health Services |
| CSAP | Center for Substance Abuse Prevention |
| CSAT | Center for Substance Abuse Treatment |
| **DOC** | Department of Commerce |
| **DOD** | Department of Defense |
| **DOE** | Department of Energy |
| **DOI** | Department of the Interior |

## SPONSOR ABBREVIATIONS

| | |
|---|---|
| **DOL** | Department of Labor |
| **DOT** | Department of Transportation |
| **EOC** | Equal Opportunity Center |
| **EPRI** | Environmental Protection Research Institute |
| **EVMS** | Eastern Virginia Medical School |
| **FEGS** | Federation Employment and Guidance Service |
| **FEMA** | Federal Emergency Management Agency |
| **FJP** | Federation of Jewish Philanthropies |
| **FTA** | Federal Transportation Authority |
| **HUD** | Department of Housing and Urban Development |
| **LAC** | Literacy Assistance Center |
| **MHRA** | Medical and Health Research Associates |
| **NASA** | National Aeronautics and Space Administration |
| **NASW** | National Association of Social Workers |
| **NCAA** | National Collegiate Athletic Association |
| **NEA** | National Endowment for the Arts |
| **NEH** | National Endowment for the Humanities |
| **NHPRC** | National History Publication and Records Commission |
| **NRC** | National Research Council |
| **NIST** | National Institute of Standards and Technology |
| **NSF** | National Science Foundation |
| **NYANA** | New York Association for New Americans |
| **NYC:** | New York City |
| AC | Art Commission |
| ACS | Administration for Children Services |
| BOE | Board of Education (now Department of Education) |
| DCA | Department of Cultural Affairs |
| DEP | Department of Environmental Protection |
| DFA | Department for the Aging |
| DMH | Department of Mental Health |
| DOE | Department of Employment |
| DOH | Department of Health |
| DOITT | Department of Information Technology & Telecommunication |
| DOT | Department of Transportation |
| DYCD | Department of Youth and Community Development |
| HA | Housing Authority |
| HHC | Health and Hospitals Corporation |
| HPD | Housing Preservation and Development |
| HRA | Human Resources Administration |
| MHMRA | Mental Health, Mental Retardation and Alcoholism |
| NYPD | New York Police Department |
| OBD | Office of Business Development |
| PBA | Patrolmen's Benevolent Association |
| TLC | Taxi and Limousine Commission |
| YB | Youth Board |
| **NYS:** | New York State |
| DA | Dormitory Authority |
| DED | Department of Economic Development |
| DMH | Department of Mental Hygiene |
| DOH | Department of Health |
| DOL | Department of Labor |
| DOT | Department of Transportation |
| OASAS | Office of Alcoholism and Substance Abuse Services |
| DSS | Department of Social Services |
| DY | Division for Youth |
| ED | Department of Education |
| ERDA | Energy Research and Development Authority |

## SPONSOR ABBREVIATIONS

| | |
|---|---|
| GOER | Governor's Office of Employee Relations |
| HESC | Higher Education Service Corporation |
| IOLA | Interest on Lawyer Account |
| OFA | Office for the Aging |
| ONCS | Office of National and Community Service |
| STF | Science and Technology Foundation |
| **NYSUT** | New York State United Teachers |
| **PIC** | Private Industry Council |
| **PSC** | Professional Staff Congress |
| **RF-SUNY** | Research Foundation of the State University of New York |
| **UDC** | Urban Development Corporation |
| **UFT** | United Federation of Teachers |
| **UJA** | United Jewish Appeal |
| **UNICEF** | United Nations International Children's Emergency Fund |
| **USDA** | United States Department of Agriculture |
| **U.S. ED** | United States Department of Education |
| **USIA** | United States Information Agency |
| **USIP** | United States Institute of Peace |
| **VA** | Veterans Administration |
| **VARIOUS** | Various Private Sources |
| **WHO** | World Health Organization |

345 Park Avenue
New York, NY 10154

## Independent Auditors' Report

The Board of Directors
Research Foundation of
The City University of New York:

We have audited the accompanying balance sheets of the Research Foundation of The City University of New York (the Foundation) as of June 30, 2003 and 2002, and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the Foundation's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America.Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Research Foundation of The City University of New York as of June 30, 2003 and 2002, and the changes in its net assets and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

KPMG LLP

November 26, 2003

## BALANCE SHEETS | June 30, 2003 and 2002

| Assets | 2003 | 2002 |
|---|---|---|
| Cash and cash equivalents | $ 67,319,381 | 39,307,358 |
| Grants, contracts, and accounts receivable (net of allowance of $2,600,000 in 2003 and $4,200,000 in 2002) | 41,605,949 | 43,263,609 |
| Insurance recovery receivable (note 8) | — | 2,506,170 |
| Prepaid expenses and other assets | 666,879 | 1,075,188 |
| Investments, at fair value (note 3) | 32,077,735 | 32,088,966 |
| Fixed assets: | | |
| Furniture, fixtures, and equipment (net of accumulated depreciation of $321,546 in 2003 and $117,789 in 2002) | 847,927 | 584,504 |
| Leasehold improvements (net of accumulated amortization of $72,266 in 2003 and $15,926 in 2002) | 491,128 | 143,340 |
| Total assets | $ 143,008,999 | 118,969,135 |
| **Liabilities and Net Assets (Deficit)** | | |
| Accounts payable and accrued expenses | $ 25,582,254 | 25,870,251 |
| Deferred revenue (note 5) | 57,292,475 | 49,978,972 |
| Grants payable to CUNY | 3,201,234 | — |
| Postretirement benefits payable (note 4) | 19,201,192 | 20,402,194 |
| Deposits held in custody for CUNY colleges | 34,188,392 | 26,296,844 |
| Deposits held in custody for others (note 9) | 2,775,352 | — |
| Total liabilities | 142,240,899 | 122,548,261 |
| Net assets (deficit): | | |
| Unrestricted— board designated: | | |
| Postretirement benefits | (19,201,192) | (20,402,194) |
| Central allocation budget (note 10) | — | 2,961,966 |
| Other | 19,969,292 | 13,861,102 |
| Total net assets (deficit) | 768,100 | (3,579,126) |
| Total liabilities and net assets (deficit) | $ 143,008,999 | 118,969,135 |

See accompanying notes to financial statements.

## STATEMENTS OF ACTIVITIES | Years ended June 30, 2003 and 2002

| | 2003 | 2002 |
|---|---|---|
| **Grants and contracts administered for others:** | | |
| Revenue: | | |
| Governmental | $ 189,638,038 | 157,245,376 |
| Private | 97,163,216 | 65,848,206 |
| Total grants and contracts revenue | 286,801,254 | 223,093,582 |
| Expenses: | | |
| Research | (77,274,393) | (68,274,788) |
| Training | (113,031,044) | (74,857,787) |
| Academic development | (71,999,818) | (59,384,134) |
| Student services | (17,232,994) | (15,283,235) |
| Other | (7,263,005) | (5,293,638) |
| Total grants and contracts expenses | (286,801,254) | (223,093,582) |
| **Administrative services:** | | |
| Revenue: | | |
| Administrative fees | 21,437,964 | 17,156,315 |
| Investment return (note 3) | 1,064,184 | 1,362,072 |
| Other | 10,801 | 160,499 |
| Total administrative revenue | 22,512,949 | 18,678,886 |
| Expenses: | | |
| Management and general | (13,744,609) | (11,106,070) |
| Postretirement credit (charge) (note 4) | 1,201,002 | (2,962,286) |
| Grants to CUNY for central research initiatives (note 10) | (5,993,966) | (2,959,371) |
| Investment return allocated to individual colleges | (1,108,530) | (1,641,069) |
| Total administrative expenses | (19,646,103) | (18,668,796) |
| Excess of revenue over expenses | 2,866,846 | 10,090 |
| Costs and losses related to September 11, 2001, net of insurance recoveries (note 8): | | |
| Write-off of fixed assets | — | (2,892,690) |
| Other expenses | (9,000) | (1,576,591) |
| Insurance recoveries and FEMA aid | 1,489,380 | 4,469,281 |
| Increase in net assets | 4,347,226 | 10,090 |
| Net deficit at beginning of year | (3,579,126) | (3,589,216) |
| Net assets (deficit) at end of year | $ 768,100 | (3,579,126) |

See accompanying notes to financial statements.

## STATEMENTS OF CASH FLOWS | Years ended June 30, 2003 and 2002

| | 2003 | 2002 |
|---|---|---|
| **Cash flows from operating activities:** | | |
| Increase in net assets | $ 4,347,226 | 10,090 |
| Adjustments to reconcile increase in net assets to net cash provided by operating activities: | | |
| Depreciation and amortization | 260,097 | 133,715 |
| Loss on disposal of fixed assets due to WTC disaster | — | 2,892,690 |
| Net depreciation in fair value of investments | 161,254 | 308,997 |
| Decrease (increase) in insurance recovery receivable | 2,506,170 | (2,506,170) |
| Decrease (increase) in grants, contracts, and accounts receivable | 1,657,660 | (6,617,926) |
| Decrease (increase) in prepaid expenses and other assets | 408,309 | (850,204) |
| (Decrease) increase in accounts payable and accrued expenses | (287,997) | 3,551,832 |
| Increase in deferred revenue | 7,313,503 | 17,046,459 |
| Grants payable to CUNY | 3,201,234 | — |
| (Decrease) increase in postretirement benefits payable | (1,201,002) | 2,962,124 |
| Increase (decrease) in deposits held in custody for CUNY colleges | 7,891,548 | (1,247,639) |
| Increase in deposits held in custody for others | 2,775,352 | — |
| Net cash provided by operating activities | 29,033,354 | 15,683,968 |
| **Cash flows from investing activities:** | | |
| Purchases of fixed assets | (871,308) | (861,559) |
| Purchases of investments | (111,821,056) | (91,382,725) |
| Sales and maturity of investments | 111,671,033 | 79,668,614 |
| Net cash used in investing activities | (1,021,331) | (12,575,670) |
| Net increase in cash and cash equivalents | 28,012,023 | 3,108,298 |
| Cash and cash equivalents at beginning of year | 39,307,358 | 36,199,060 |
| Cash and cash equivalents at end of year | $ 67,319,381 | 39,307,358 |

See accompanying notes to financial statements.

## 1. ORGANIZATION

The Research Foundation of The City University of New York (the Foundation) was chartered in 1963 to provide post-award administration of sponsored programs for The City University of New York (the University) and other not-for-profit organizations. The Foundation is a separate legal entity and is exempt from Federal income taxes under the provisions of Section 501(c)(3) of the Internal Revenue Code.

## 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### a. Basis of Presentation

The Foundation's financial statements are prepared on the accrual basis of accounting in accordance with standards established by the Financial Accounting Standards Board (FASB) for external financial reporting by not-for-profit organizations. The financial statements focus on the Foundation as a whole and present balances and transactions according to the existence or absence of donor-imposed restrictions. Accordingly, net assets of the Foundation and changes therein are classified and reported as follows:

Unrestricted net assets — Net assets that are not subject to donor-imposed restrictions. In addition, grants and contracts for the performance of certain services or functions are reported in the unrestricted net asset category.

Temporarily restricted net assets — Net assets subject to donor-imposed restrictions that will be met either by actions of the Foundation or the passage of time. The Foundation had no temporarily restricted net assets at June 30, 2003 and 2002.

Permanently restricted net assets — Net assets subject to donor-imposed restrictions stipulating that funds be maintained permanently by the Foundation, but permit the Foundation to expend part or all of the income derived therefrom. The Foundation had no permanently restricted net assets at June 30, 2003 and 2002.

Revenues and gains and losses on investments and other assets are reported as changes in unrestricted net assets unless limited by explicit donor-imposed restrictions or by law. Expenses are reported as decreases in unrestricted net assets.

### b. Grants and Contracts

Revenue from grants and contracts, awarded to and accepted by the Foundation and various units of the University, as joint grantees, primarily for research, training, and academic development programs, is recognized as earned, that is, as the related costs are incurred under the grant or contract agreements.

Facilities and administrative costs recovered on grants and contracts are recorded at rates established by the Foundation with its Federal cognizant agency, or predetermined by the non-Federal sponsor. Facilities and administrative cost rates for government grants and contracts are subject to audit, and subsequent final settlements, if any, are recorded as current period adjustments. Management believes the impact of any future settlements to be immaterial to the financial statements.

### c. Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingencies at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

### d. Cash Equivalents

Highly liquid debt instruments with maturities at date of purchase of three months or less are classified as cash equivalents.

**e. Investments**
Investments are reported at fair value based upon quoted market prices. Realized and unrealized gains and losses on investments are reflected in the accompanying statements of activities.

**f. Fixed Assets**
Furniture, fixtures, and equipment and leasehold improvements are stated at cost. Depreciation of furniture, fixtures, and equipment is computed on a straight-line basis over the estimated useful lives of the assets, ranging from five to seven years. Amortization of leasehold improvements is computed on a straight-line basis over the estimated useful lives of the assets, not to exceed the remaining life of the lease.

Equipment purchased by the Foundation on behalf of various units of the University from grant and contract funds is to be used in the project for which it was purchased and is not included in the Foundation's fixed assets on the accompanying balance sheets.

**g. Deposits Held in Custody for CUNY Colleges**
Deposits held in custody for CUNY Colleges reflect those resources held on behalf of the individual colleges of the University. These deposits are credited with facilities and administrative cost recoveries and released time recoveries for the respective colleges.

Released time recoveries represent personal service costs for individuals on the various colleges' payrolls who report effort under grants or contracts. When colleges replace an individual providing time and effort to sponsored projects, they do so by hiring, on the Foundation payroll, adjuncts whose personal service costs are reflected as deductions of deposits held in custody for others.

Facilities and administrative costs are considered recoveries of the specific colleges and, accordingly, are credited to deposits held in custody for CUNY Colleges.

**h. Reclassifications**
During 2002, the Foundation changed its method of recording grants authorized for which expenditures have not been incurred. Previously, these amounts were displayed as both grants receivable and deferred revenue on the balance sheet. Under the current method, grants authorized are not reflected on the balance sheet and is the method generally followed by higher education institutions. Accordingly, the effect of this change was to reduce grants receivable and deferred revenue at June 30, 2002.

Certain other 2002 amounts have been reclassified to conform to the 2003 presentation.

**3. INVESTMENTS**
Investments held by the Foundation consist of the following at June 30, 2003 and 2002:

| | 2003 | | 2002 | |
|---|---|---|---|---|
| | Fair value | Cost | Fair value | Cost |
| U.S. Treasury bills | $ 13,457,435 | 13,425,187 | 11,932,800 | 11,761,200 |
| U.S. Government agency obligations | 18,620,300 | 18,582,099 | 19,946,700 | 19,886,598 |
| U.S. equity securities | | | 209,466 | 249,806 |
| Total | $ 32,077,735 | 32,007,286 | 32,088,966 | 31,897,604 |

Components of investment return are:

| | 2003 | 2002 |
|---|---|---|
| Interest | $ 1,118,530 | 1,671,069 |
| Net depreciation in fair value of investments | (161,254) | (308,997) |
| Net appreciation in fair value of cash equivalents | 106,908 | — |
| Total | $ 1,064,184 | 1,362,072 |

**4. PENSION AND OTHER RETIREMENT BENEFITS**

Eligible employees of the Foundation and certain project personnel are covered under a defined contribution pension plan established with Teachers Insurance and Annuity Association (TIAA). The Foundation's contribution to the pension plan is based on specified percentages, ranging from 8% to 14%, of each employee's annual salary. Total pension expense for the years ended June 30, 2003 and 2002 was approximately $7,042,000 and $6,130,000, respectively. There are no unfunded past service costs.

In addition to providing pension benefits, the Foundation provides certain health care benefits to retired employees (including eligible dependents) who have a combination of age and years of service equal to 70 with a minimum age of 55 and at least ten years of continuous service. For the years ended June 30, 2003 and 2002, total claims paid for these benefits were approximately $1,201,000 and $1,002,000, respectively.

The Foundation accounts for postretirement medical and other nonpension benefits provided to retirees on an accrual basis during the period of their employment.

The Foundation charges grants and contracts, as well as administrative services' department for postretirement benefit costs through the application of a fringe benefit rate, an element of which is based upon the estimated amount of such costs. In addition, a charge or credit is recognized in administrative services expenses for the difference between the actuarially determined net periodic postretirement benefit cost and the amount funded (claims paid and contributions to the trust).

The following table sets forth the plan's funded status reconciled with the amounts shown in the Foundation's balance sheets as of June 30, 2003 and 2002:

| | 2003 | 2002 |
|---|---|---|
| Benefit obligation | $ (43,800,138) | (37,018,795) |
| Fair value of plan assets | 11,494,788 | 6,697,375 |
| Funded status as of June 30 | (32,305,350) | (30,321,420) |
| Unrecognized transition obligation | 11,209,702 | 11,967,115 |
| Unrecognized net loss | 10,717,386 | 8,370,364 |
| Unrecognized prior service cost | (8,822,930) | (10,418,253) |
| Accrued liability | $ (19,201,192) | (20,402,194) |

During 2002, the Foundation amended its medical coverage for retirees reaching age 65 after June 30, 2002, limiting coverage to the Foundation's Blue Cross Blue Shield PPO Plan.

Postretirement benefit costs for 2003 and 2002 included the following components:

| | 2003 | 2002 |
|---|---|---|
| Service cost | $ 2,052,052 | 2,883,490 |
| Interest cost | 2,395,450 | 2,626,155 |
| Amortization of transition obligation over 22.8 years | 757,413 | 757,413 |
| Amortization of prior service cost | (779,041) | (833,460) |
| Amortization of unrecognized net loss | 164,622 | 432,187 |
| Expected return on plan assets | (390,062) | (301,499) |
| Net periodic postretirement benefit cost | $ 4,200,434 | 5,564,286 |

The weighted average discount rate used in determining the accumulated postretirement benefit obligation was 6.00% and 7.00% as of June 30, 2003 and 2002, respectively. For measurement purposes, health care costs other than Medicare Part B were assumed to increase 8.5% and 9% for the years 2003 and 2002, respectively, and to decrease 0.5% per year until 2010 and remain at 5% thereafter. Medicare Part B costs were assumed to increase 4% annually.

For the years ended June 30, 2003 and 2002, the Foundation made contributions to the trust of $4,200,000 and $1,600,000, respectively.

The Foundation also provides postemployment benefits, including salary continuance, to certain employees. The cost of these benefits is provided over the employees' years of service. Postemployment benefits liability included in accounts payable and accrued expenses was approximately $568,000 in 2003 and $620,000 in 2002.

**5. DEFERRED REVENUE**

At June 30, 2003 and 2002, cash advances for grants and contracts are for the following projects:

| | 2003 | 2002 |
|---|---|---|
| Research | $ 8,169,571 | 6,708,454 |
| Training | 18,574,180 | 17,114,056 |
| Academic development | 19,086,818 | 17,307,399 |
| Student services | 5,937,061 | 4,968,821 |
| Other | 5,524,845 | 3,880,242 |
| | $ 57,292,475 | 49,978,972 |

**6. COMMITMENTS**

The Foundation is obligated under noncancelable operating leases for office space. Future minimum lease payments are as follows:

| | Amount |
|---|---|
| Year ending June 30: | |
| 2004 | $ 1,358,747 |
| 2005 | 1,389,449 |
| 2006 | 1,421,242 |
| 2007 | 1,454,163 |
| 2008 | 1,488,259 |
| Thereafter | 4,681,857 |
| | $ 11,793,717 |

Rent expense for the years ended June 30, 2003 and 2002 was $1,331,214 and $907,696, respectively.

**7. FAIR VALUE OF FINANCIAL INSTRUMENTS**

The carrying amounts of cash equivalents, grants, contracts and accounts receivable, accounts payable and accrued expenses, and deposits held in custody for CUNY Colleges and others approximate fair value due to the short maturity of these financial instruments.

**8. EVENTS OF SEPTEMBER 11, 2001**

The events of September 11, 2001 resulted in operational disruptions and facilities damage, causing the Foundation to relocate its operations. In connection therewith, the Foundation wrote off its fixed assets located at 30 West Broadway and incurred business interruption costs of $2,892,690 and $1,576,591, respectively, for the year ended June 30, 2002. The Foundation also recognized insurance recoveries in 2002 of $4,469,281. During 2003, the Foundation settled the claim with its insurance carrier and recorded additional insurance recoveries of $975,880. In addition, the Foundation received FEMA aid in the amount of $513,500 during 2003.

**9. DEPOSITS HELD IN CUSTODY FOR OTHERS**

During fiscal 2003, the Foundation entered into a fee-for-service agreement with the September 11 Fund to administer payments to designated service providers and training providers for employment assistance services, as well as to make support payments to eligible individuals who lost their jobs and/or experienced a substantial reduction in earnings as a result of the September 11, 2001 terrorist attack. During 2003, total funds administered by the Foundation on behalf of the September 11 Fund amounted to approximately $28 million. These funds are agency in nature and, accordingly, are excluded from the accompanying statement of activities for the year ended June 30, 2003. Cash received from the September 11 Fund that has not been disbursed by year end amounted to $2,775,352.

**10. GRANTS TO CUNY FOR CENTRAL RESEARCH INITIATIVES**

During fiscal 2003, the Foundation approved two grants to CUNY for central research initiatives totaling $5,993,966. One of these grants in the amount of $2,961,966 represents the central allocation budget beginning net asset balance.

# RESEARCH FOUNDATION

# SUPPLEMENTAL FINANCIAL STATEMENTS

(not part of the independent audited financial statements)

## GRANTS AND CONTRACTS EXPENSES BY FUNDING SOURCE
**Years ended June 30, 2003 and 2002**

| | 2003 | 2002 |
|---|---|---|
| Governmental grants and contracts: | | |
| National Science Foundation | $ 15,646,198 | 13,239,900 |
| Department of Health and Human Services | 39,331,647 | 33,396,561 |
| Department of Education | 26,725,061 | 21,379,867 |
| Other Federal sponsors | 13,209,992 | 12,636,032 |
| State sponsors | 38,357,680 | 30,820,227 |
| Municipal sponsors | 56,367,460 | 45,772,789 |
| Total governmental grants and contracts | 189,638,038 | 157,245,376 |
| Private grants and contracts: | | |
| PSC-CUNY research award program | 3,067,230 | 2,891,968 |
| Corporations | 3,333,672 | 2,245,166 |
| Foundations | 10,806,285 | 8,083,941 |
| Other private | 61,645,210 | 36,755,109 |
| CUNY miscellaneous | 18,310,819 | 15,872,022 |
| Total private grants and contracts | 97,163,216 | 65,848,206 |
| Total grants and contracts | $ 286,801,254 | 223,093,582 |

## DISTRIBUTION OF GRANTS AND CONTRACTS EXPENSES
### Years ended June 30, 2003 and 2002

| FEDERAL AWARDS: | 2003 | Percentage of total direct income | 2002 | Percentage of total direct income |
|---|---|---|---|---|
| Direct costs: | | | | |
| Research programs | $ 36,652,428 | 46.68% | $ 32,491,467 | 48.66% |
| Training programs | 10,681,292 | 13.61% | 10,169,970 | 15.23% |
| Academic development programs | 20,832,376 | 26.53% | 15,103,895 | 22.62% |
| Student services programs | 8,274,925 | 10.54% | 8,320,526 | 12.46% |
| Other programs | 2,074,802 | 2.64% | 690,221 | 1.03% |
| Total direct costs | 78,515,823 | 100.00% | 66,776,079 | 100.00% |
| | | **Overhead rate** | | **Overhead rate** |
| Indirect costs: | | | | |
| Research programs | 13,111,697 | 35.77% | 10,934,813 | 33.65% |
| Training programs | 708,155 | 6.63% | 942,110 | 9.26% |
| Academic development programs | 2,037,590 | 9.78% | 1,417,575 | 9.39% |
| Student services programs | 525,673 | 6.35% | 581,783 | 6.99% |
| Other programs | 13,960 | 0.67% | — | 0% |
| Total indirect costs | 16,397,075 | 20.88% | 13,876,281 | 20.78% |
| **Total grants and contracts** | **$ 94,912,898** | | **$ 80,652,360** | |

| NON-FEDERAL AWARDS: | 2003 | Percentage of total direct income | 2002 | Percentage of total direct income |
|---|---|---|---|---|
| Direct costs: | | | | |
| Research programs | $ 25,241,081 | 14.12% | $ 21,935,158 | 16.44% |
| Training programs | 93,957,861 | 52.54% | 59,585,642 | 44.67% |
| Academic development programs | 46,613,664 | 26.06% | 41,324,400 | 30.98% |
| Student services programs | 7,926,819 | 4.43% | 6,029,904 | 4.52% |
| Other programs | 5,096,941 | 2.85% | 4,525,657 | 3.39% |
| Total direct costs | 178,836,366 | 100.00% | 133,400,761 | 100.00% |
| | | **Overhead rate** | | **Overhead rate** |
| Indirect costs: | | | | |
| Research programs | 2,269,187 | 8.99% | 2,913,350 | 13.28% |
| Training programs | 7,683,736 | 8.18% | 4,160,065 | 6.98% |
| Academic development programs | 2,516,188 | 5.40% | 1,538,264 | 3.72% |
| Student services programs | 505,577 | 6.38% | 351,022 | 5.82% |
| Other programs | 77,302 | 1.52% | 77,760 | 1.72% |
| Total indirect costs | 13,051,990 | 7.30% | 9,040,461 | 6.78% |
| Total grants and contracts | $ 191,888,356 | | $ 142,441,222 | |
| **Total Grants and Contracts Expenses** | **$ 286,801,254** | | **$ 223,093,582** | |

Research programs—costs incurred for all research and development activities that are conducted in research centers and institutes.
Training programs—costs incurred for conducting nonstudent training programs.
Academic development programs—costs incurred in support of academic activities and program development.
Student services programs—costs incurred for the administration of student affairs and services for students.
Other programs—costs incurred for general purpose/equipment grants.

## BUDGET CATEGORIES OF GRANTS AND CONTRACTS EXPENSES
### Years ended June 30, 2003 and 2002

| | 2003 | 2002 |
|---|---|---|
| **Personal services:** | | |
| Salaries and wages | $ 127,740,806 | 110,521,367 |
| Staff benefits | 32,191,594 | 26,275,916 |
| Total personal services | 159,932,400 | 136,797,283 |
| **Other than personal services:** | | |
| Supplies | 12,484,064 | 10,081,814 |
| Telephone and communications | 240,101 | 237,398 |
| Postage and shipping | 514,678 | 646,991 |
| Occupancy | 1,885,410 | 1,409,216 |
| Printing and publications | 593,383 | 677,642 |
| Travel | 3,697,104 | 3,524,824 |
| Conferences and meetings | 1,241,268 | 1,153,415 |
| Independent contractors | 4,570,128 | 3,132,264 |
| Equipment and furniture | 8,198,077 | 7,806,782 |
| Equipment rental and maintenance | 1,144,258 | 935,016 |
| Scholarships, fellowships, and training allowance | 44,458,211 | 19,459,182 |
| Fund-raising | 48,666 | 50,685 |
| Professional fees | 3,589 | 15,565 |
| Subcontracts | 12,330,912 | 8,995,060 |
| Child Care subsidies | 1,824,682 | 1,263,066 |
| Advertising | 149,677 | 269,965 |
| Administrative fees | 2,294,465 | 1,909,761 |
| Other | 1,741,116 | 1,810,911 |
| Subtotal | 97,419,789 | 63,379,557 |
| Facilities and administrative costs reimbursements | 29,449,065 | 22,916,742 |
| Total other than personal services | 126,868,854 | 86,296,299 |
| Total grants and contracts expenses | $ 286,801,254 | 223,093,582 |

## SCHEDULE OF OPERATING INCOME
## Years ended June 30, 2003 and 2002

| | 2003 | 2002 |
|---|---|---|
| **Revenues collected from:** | | |
| Administrative fees: | | |
| Administrative fees—fixed rate | $ 20,053,184 | 16,045,087 |
| Accrual of administrative fee revenue | (70,242) | 216,970 |
| PSC-CUNY | 343,137 | 305,935 |
| Direct fees | 531,885 | 588,323 |
| September 11 administrative fee revenue | 580,000 | — |
| Total administrative fees | 21,437,964 | 17,156,315 |
| Interest income | 1,118,530 | 1,671,069 |
| Net depreciation in fair value of investments | (54,346) | (308,997) |
| Insurance Recoveries and Federal Emergency Management Agency (FEMA) aid | 1,489,380 | 4,469,281 |
| Recovery of unused CAB appropriations | — | 160,499 |
| Miscellaneous Income | 10,801 | — |
| Total income | 24,002,329 | 23,148,167 |
| **Revenues allocated to:** | | |
| Initial allocations: | | |
| RFCO expenses | (11,570,149) | (8,969,710) |
| Central allocation budget reserve | (3,022,000) | (3,443,650) |
| September 11 Fund expenses | (406,400) | — |
| Contingency fund reserve | (100,000) | (100,000) |
| Employee termination reserve | (85,000) | (100,000) |
| Legal reserve | (200,000) | (500,000) |
| Foundation working capital reserve | (500,000) | (750,000) |
| Support for university-wide sponsored program insurance | (415,000) | — |
| Workflow and new systems implementation reserve | (87,500) | (350,000) |
| Reserve for hr/payroll application placement | (125,000) | (500,000) |
| Off-site recovery plan reserve | (100,000) | (100,000) |
| Marketing to new clients reserve | — | (30,000) |
| Plant fund | (71,250) | — |
| RF Administrative fees reserve—board designated | (250,000) | — |
| E-Commerce Incentive Rebate—1/4% | (100,000) | — |
| Administrative reserve for postretirement trust fund | (100,000) | — |
| Interest distributed to colleges | (1,108,531) | (1,641,069) |
| Interest distributed to RFCUNY | (10,000) | (30,000) |
| Loss on investments | 54,346 | 308,997 |
| RFCO internal funds | (10,619) | (3,849) |
| Mid-year allocations: | | |
| Contingency fund reserve | — | (2,689) |
| Audit disallowance reserve | — | (263,477) |
| Employee termination reserve | — | (89,712) |
| University-wide insurance—FY01 | — | (8,541) |
| University-wide insurance—FY02 | — | (161,068) |
| University-wide insurance—FY03 | (136,990) | — |
| Reserve for furniture and equipment purchases | — | (1,318,738) |
| Reserve for capital improvements | (791,499) | (88,368) |
| Reserve for business interruption costs | — | (695,357) |
| Reserve for physical plant | (975,880) | (4,469,281) |
| Faculty Senate | (10,000) | — |
| Technology transfer | — | (1,450) |
| Total deductions to administrative fee reserve | (20,121,472) | (23,307,962) |
| Increase (decrease) to administrative fee reserve | 3,880,857 | (159,795) |
| Administrative fee reserve at beginning of year | (128,986) | 30,809 |
| Administrative fee reserve at end of year | $ 3,751,871 | (128,986) |

## RECONCILIATION OF ADMINISTRATIVE FEE EXPENDITURES
### Years ended June 30, 2003 and 2002

| | 2003 | 2002 |
|---|---|---|
| **Total RFCO expenditures from operating budget** | $ 11,570,149 | 8,969,710 |
| **Less income used to offset expenditures:** | | |
| PSC-CUNY administrative fees | (343,137) | (305,935) |
| Direct fees from non-CUNY clients | (531,885) | (588,323) |
| Other Income | (182) | — |
| FEMA | (513,500) | — |
| September 11 administrative fees | (173,600) | — |
| | (1,562,304) | (894,258) |
| | 10,007,845 | 8,075,452 |
| **Total RF central office expenditures funded from administrative fees plus reserve fund allocations:** | | |
| Central allocation budget reserve | 3,022,000 | 2,872,000 |
| University-wide insurance | 415,000 | 415,000 |
| Contingency fund reserve | 100,000 | 100,000 |
| Employee termination reserve | 85,000 | 100,000 |
| Foundation working capital reserve | 500,000 | 750,000 |
| Legal reserve | 200,000 | 500,000 |
| Plant fund | 71,250 | — |
| Workflow and new systems implementation reserve | 87,500 | 350,000 |
| Reserve for hr/payroll application placement | 125,000 | 500,000 |
| Off-site recovery reserve | 100,000 | 100,000 |
| Marketing to new clients reserve | — | 30,000 |
| RF Administrative fees reserve—board designated | 250,000 | — |
| E-Commerce Incentive Rebate—1/4% | 100,000 | — |
| Support for Postemployment Insurance | 100,000 | — |
| | 5,155,750 | 5,717,000 |
| Computed amount of administrative fee expenditures | 15,163,595 | 13,792,452 |
| Amount reported as administrative fee expenditure on schedule 6A | 15,163,595 | 13,792,452 |
| Variance | $ — | — |

## SCHEDULE OF CHANGES IN DEPOSITS HELD IN CUSTODY FOR CUNY COLLEGES
### Years ended June 30, 2003 and 2002

| | 2003 | 2002 |
|---|---|---|
| **Additions:** | | |
| Facilities and administrative cost recoveries: | | |
| From sponsored programs | $ 29,449,065 | 22,916,742 |
| From internal programs (college directed fees) | 1,432,065 | 1,029,166 |
| Released time recoveries | 11,283,571 | 11,434,445 |
| Summer salary recoveries | 2,833,701 | — |
| Total | 44,998,402 | 35,380,353 |
| Transfers from unrestricted net assets: | | |
| Intercampus collaborations | 496,635 | 442,589 |
| CUNY research exchange | — | 60,000 |
| Return of college advances | 856,228 | — |
| Other income | 432,593 | 35,000 |
| E-Services Rebate Incentive | 95,000 | — |
| Total | 1,880,456 | 537,589 |
| Interest income | 1,108,531 | 1,641,069 |
| Total additions | 47,987,389 | 37,559,011 |
| **Deductions:** | | |
| Administrative fee paid to RFCUNY | 20,053,184 | 16,045,087 |
| Campus-based expenses: | | |
| Instructional | 828,650 | 19,807 |
| Research projects | 3,571,276 | 1,547,453 |
| Academic support | 5,092,717 | 6,359,283 |
| Student services | 973,249 | — |
| Institutional management | 9,149,555 | 11,233,123 |
| Business and finance | 246,762 | — |
| Physical Plant | 174,167 | 6,894 |
| Public Services | 67,882 | — |
| Replacement cost | 1,538,399 | 1,683,718 |
| Transfers to central research initiatives | — | 156,650 |
| Advances to fund restricted projects | — | 354,635 |
| Bad debt (recovery) expense | (1,600,000) | 1,400,000 |
| Total deductions | 40,095,841 | 38,806,650 |
| Net (decrease) increase for the year | 7,891,548 | (1,247,639) |
| **Deposits held in custody for others:** | | |
| Beginning of year | 26,296,844 | 27,544,483 |
| End of year | $ 34,188,392 | 26,296,844 |

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