

<b>Job Title</b>	Research Associate (Postdoctoral Level)
<b>PVN ID</b>	BK-1509-000729
<b>Category</b>	Research
<b>Location</b>	BROOKLYN COLLEGE
<b>Department</b>	Chemistry
<b>Status</b>	Full Time
<b>Annual Salary</b>	\$39,000.00 - \$48,000.00
<b>Hour(s) a Week</b>	35
<b>Closing Date</b>	Nov 14, 2015 (Or Until Filled)

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## General Description

Background in the synthesis of transition-metal complexes and extensive hands-on experience in multinuclear 1D and 2D NMR spectroscopy. Candidate should demonstrate ample experience working under inter atmosphere (glove box and Schleck techniques). Priority will be given to candidates with experience in the synthesis of titanium and ruthenium compounds. Familiarity with metal-DNA and/or metal-protein interactions and assays on biological activity of metal complexes as well as peptide-based modification of ligands a plus. Proficiency in English and PhD finished at the time of applying for the job a must. *Members of traditionally underrepresented groups are strongly encouraged to apply.*

**Description:** Conduct research in the development of gold-based anti-tumor agents containing a second metal; develop preparative methods for new complexes and characterize them by multinuclear NMR and other standard methods; studies of the stability and oxidation state of the compounds by UV-vis and NMR spectroscopy. See some of the recent publications in our lab at: <http://userhome.brooklyn.cuny.edu/mariacontel/>. Since our group is interdisciplinary and we have a number of collaborations in NY and outside, there will be a potential for the candidate to gain experience in biochemical assays, cell culture, cell signaling (performed in our lab) and some relevant experience in cancer research. This opportunity will support career growth (assistance to Conferences, mentoring) and will encompass participation in weekly group seminars, and manuscript and grant writing.

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## Other Duties

### Other duties:

- training and supervising undergraduate and graduate students
- ordering chemicals and supplies, submitting payment requests on line
- helping in the maintenance of instrumentation and laboratories belonging to the group

- preparing drafts for publications.

## Qualifications

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**Qualifications:** Highly motivated individual with a Ph.D. in Organometallic Chemistry.

**Conditions:** Salary \$39000-\$48000 commensurate with experience (funded by grant NIH/NCI 1SC1CA182844). The position will be a standard one-year appointment starting in November 1st 2015 with the possibility of renewal in one-year increments, contingent upon satisfactory performance, a valid visa status, and the continued availability of federal funds.