

Job Title	Research Associate
PVN ID	BK-1804-002476
Category	Research
Location	BROOKLYN COLLEGE
Department	Chemistry
Status	Full Time
Annual Salary	\$45,000.00 - \$52,000.00
Hour(s) a Week	35
Closing Date	Sep 24, 2018 (Or Until Filled)

General Description

Conduct research in the development of targeting delivery vehicles (based on nanocarriers and antibodies) for gold and ruthenium-based anti-tumor agents; develop preparative methods for new metal complexes and conjugates and characterize them by multinuclear NMR and other standard methods (HPLC, MS spectrometry); studies of the stability and oxidation state of the compounds by UV-vis and NMR spectroscopy; binding affinity studies (ELISA). 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 biochemical assays, cell culture, cell signaling (performed in our lab), and some relevant experience in cancer research and nanotechnology. This opportunity will support career growth (assistance to Conferences, mentoring, part of time spent at collaborating institutions in NYC) and will encompass participation in weekly group seminars, and manuscript and grant writing.

Other Duties

- training and supervising undergraduate and graduate students
- helping in the maintenance of instrumentation and laboratories belonging to the group (managing order in the lab, cleanliness of working spaces, safety issues assisted by students)
- assist lab manager to order chemicals and supplies needed in the lab

- submit weekly and monthly reports, present work in group meetings, prepare drafts for publications.

Qualifications

Please read carefully as only qualified candidates will be considered!

Highly motivated individual with a Ph.D. in Organometallic Chemistry.

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 gold and ruthenium compounds. Familiarity with peptide synthesis, bioconjugation techniques or encapsulation of compounds in nanocarriers 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.*