



# McGill

Faculty of Science    Faculté des sciences

## Medicinal Chemistry Post-Doctoral Position

Our research aims to exploit the molecular recognition elements affecting biological transformations that play a key role in human health. One of our current medicinal chemistry projects involves investigations on how inhibition of the zinc metalloprotease STE24 (ZMPSTE24) can decelerate the progression of pancreatic ductal adenocarcinoma.

### Post-Doctoral Fellow

We are currently seeking talented Post-Doctoral Fellows to join our research group at the Department of Chemistry of McGill University. As a member of the Tsantrizos group, the Post-Doctoral Fellows will actively contribute to the discovery and development of new synthetic methodologies, and subsequently apply these methodologies to the synthesis of compound libraries that can potentially block the catalytic function of ZMPSTE24. Our research efforts provide opportunities for regular interactions with other team members from biochemistry, structural research and clinical research, as well as international collaborators from both academia and industry.

### Desired Scientific and Personal Qualifications:

- A PhD in synthetic organic chemistry or medicinal chemistry.
- A strong background in modern synthetic organic chemistry and catalysis.
- The ability to think independently and coordinate research activities with other members of our multidisciplinary team
- Adaptability, analytical thinking, good communication skill (both written and oral), high scientific integrity and excellent work ethics.

Prof. Tsantrizos recognizes that the strength and competitive advantage of every team lie within its scientists, and she supports every member of her group to achieve his/her full potential. Her students and Post-Doctoral Fellows take initiatives in achieving outstanding results, working in a collaborative healthy environment that supports diversity amongst its members, networking with past members and leaders in other academic and industrial institutions. Drug Discovery requires a seamless integration of chemistry, biochemistry, structural research, pharmacology and clinical investigations. Consequently, our team is multidisciplinary and involves close interactions with collaborators from other fields of science within McGill University, the McGill University Health Center and industry.

### Application Process:

Interested candidates may forward their CV, as well as the names and contact information of at least 2 scientists who can provide a reference letter on their behalf, to:

**Dr. Youla S. Tsantrizos, PhD**

Professor, Chemistry Department, Faculty of Science

Associate Member, Biochemistry Department, Faculty of Medicine McGill University

Email: [youla.tsantrizos@mcgill.ca](mailto:youla.tsantrizos@mcgill.ca)