

**Posting
RESEARCH ASSISTANT**

Position Title:	Research Assistant
Hiring Unit:	Department of Biochemistry
Supervisor:	Prof. Philippe Gros and Prof. Robert Zamboni
Work Location:	Bellini Life Sciences Building, 4 th floor
Hours/Week & Schedule:	30 hours/week – Monday to Friday
Hourly Wage:	28.44\$/hr.
Planned Start Date & End Date:	June 22, 2020 to June 21, 2021
Date of Posting: (post for 5 working days minimum)	June 10, 2020
Deadline to Apply:	June 16, 2020

PRIMARY DUTIES

- Develop strategies for synthesis of small molecules of the quinolone family
- Perform all steps for synthesis of small organic molecules
- Perform purification of small organic molecules by standard methods (Sublimation, Crystallisation, Distillation, Fractional Distillation, Vacuum Distillation, Differential Extraction), including column chromatography, High Pressure Liquid Chromatography (HPLC).
- Perform quality control on purified small organic molecules, including IR and UV spectroscopy, nuclear magnetic resonance.
- Compile and analyze data.
- Write research reports.
- Supervise summer undergraduate students who will help in the projects.

EDUCATION/EXPERIENCE

- **For Research Assistant – minimum requirement: Master's Degree**

M. Sc. Organic Chemistry with emphasis on Medicinal Chemistry (organic synthesis)

OTHER QUALIFYING SKILLS & ABILITIES

Minimum 5 years experience in medicinal chemistry, with preference given to industry experience in pharmaceutical or biotechnology laboratories.
Knowledge of basic computer softwares for data management, including softwares used in structure/activity studies of organic molecules

HOW TO APPLY

Please submit your application to:

Please send your cover letter, CV and contact information for two referees by email to philippe.gros@mcgill.ca with copy to robert.zamboni@mcgill.ca.

McGill University is committed to equity in employment and diversity. It welcomes applications from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities, and others who may contribute to further diversification.