

**Posting
RESEARCH ASSOCIATE**

Position Title:	Research Associate
Hiring Unit:	Rosalind and Morris Goodman Cancer Centre Facility for Cell and Tissue Phenotyping
Supervisor:	Dr. Morag Park
Work Location:	1160 Pine Ave, Montreal QC
Hours/Week & Schedule:	Monday to Friday 9 AM to 5 PM, 40 hours per week
Wage:	\$60-75K per year, based on experience
Planned Start Date & End Date:	ASAP, 1 year
Date of Posting:	TBA
Deadline to Apply:	TBA

PRIMARY DUTIES

To establish and oversee the Single Cell and Imaging Mass Cytometry Analysis Platform (SCIMAP) at the Goodman Cancer Research Centre (GCRC). This platform provides state of the art multiplex immunophenotyping services, including CyTOF-Helios, Hyperion Imaging Mass Cytometry, and microscopy-based high throughput screening technologies.

The ideal candidate will be tasked to operate and manage the SCIMAP. Importantly, this includes identifying needs of the facility as it builds interest in the research community and grows over time:

Operational responsibilities:

- Operate and maintain all equipment (Helios, Hyperion, and Axio Scan.Z1)
- Train staff to provide staining and acquisition services, and operate all equipment
- Provide consultation services to both internal and external users
- Participate in building the mass cytometry antibody libraries, including panel design and conjugation using MaxPar kits.
- Interact with the Histology Core Facility at the GCRC
- Manage server for data storage and accessibility for all users
- Interact with bioinformatics specialists for analysis pipeline development

Management responsibilities:

- Interact with companies for antibody library development
- Assess comparability of units and identify alternatives if needed
- Participate in preparation of tender documentation
- Build an appropriate fee structure for core facility services to ensure recovery of costs
- Identify new needs as the facility grows over time, e.g. when to hire additional research staff, whether to invest in updates to equipment, etc.

EDUCATION/EXPERIENCE

Ph.D. and 3+ years of post-doctoral experience in immunology and/or advanced imaging and/or cell and developmental biology. Project leadership experience is necessary. Experience in flow cytometry is critical, and experience with mass cytometry is preferred.

OTHER QUALIFYING SKILLS & ABILITIES

Candidates should have a strong understanding of cellular phenotyping, and multi-parameter analysis (e.g. multi-color flow cytometry, multiplex IHC, etc). Candidates must understand basic data analysis, and be competent and willing to learn new analytical skills. The ability to critically evaluate multiple technology platforms and offer recommendations on the best systems for the requirements is necessary. The successful applicant must have strong communication skills, in order to foster collaborations and discuss equipment needs with a scientific team.

HOW TO APPLY

Please submit your application to:

Kindly submit your CV and cover letter to recruit.gcrc@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.