

Research Associate/Assistant in

ncRNA Biology & RNA Therapeutics

Summary of responsibilities

The RNA & Noncoding Mechanisms of Disease Research Unit (www.sauvageaulab.org), headed by Dr Martin Sauvageau, is seeking to recruit a highly motivated and dynamic research assistant or research associate to study critical questions on the biological functions and molecular interactions of long noncoding RNAs associated to diseases. The laboratory is located at the [Montreal Clinical Research Institute \(IRCM\)](#) and affiliated with two of Canada's leading research universities: [University of Montréal](#) (Biochemistry & Molecular Medicine dept) and [McGill University](#) (Biochemistry dept), offering a diverse and multidisciplinary research environment.

The Sauvageau lab combines genetically engineered animal models and human cells with functional genomics and CRISPR-based genome editing techniques to perturb lncRNA functions and characterize their role at a cellular and physiological level. We also aim to understand the molecular grammar that underlies lncRNA function and uncover novel noncoding RNA-based mechanisms. For this, we use a combination of biochemistry, high-throughput and computational approaches to identify RNA-interacting macromolecules and RNA domains that mediate their function. Our goal is to better understand the impact that lncRNAs and noncoding regions have on development and reveal novel RNA-based mechanisms that could lead to the generation of novel diagnostics and therapies. The team is multi-disciplinary and part of a network of labs investigating RNA in genome regulation

Availability: Immediately, until the position is filled.

Qualifications

Successful candidates will have completed doctoral studies in biology, biochemistry, genetics, genomics, bioinformatics or a related discipline. Candidates should have significant experience with standard molecular/cellular biology and biochemical approaches, with a particular emphasis on RNA-related experimentation. Moreover, individuals with experience in genomics/transcriptomics approaches, RNA-protein interactions or bioinformatics/statistical analyses methodologies will be given strong consideration. A strong publication record and demonstrated ability to perform impactful research as part of a multidisciplinary, broadly collaborative team are required.

How to Apply

Please send a cover letter, a CV and the names and contact information of two referees by email to the Research Unit Director martin.sauvageau@ircm.qc.ca.

Main Tasks and Responsibilities:

- Research design and planning the project
- Contribute to the team's research projects by supporting different sub-objectives of ongoing projects.
- Develop and apply various techniques in genomics, molecular and cellular biology, as well as the manipulation of mice
- Data analysis, interpretation, and presentation in lab meetings
- Managing productive interactions with collaborators
- Preparing figures for grants and manuscripts and contribute to writing
- Training and supervision of junior scientists
- Fostering a supportive, collaborative, and productive laboratory environment
- Management of orders, drafting of ethical documents and all other related technical tasks contributing to the proper functioning of the laboratory
- Any other related tasks required by the Laboratory Director

Requirements:

- A PhD in a relevant field (biochemistry, molecular biology, etc.). Post-doctoral training in academia or industry (2-5 years) is an asset.
- Expertise in biochemistry, cell culture, microscopy, ideally with the use of mouse models.
- Genomics, programming, RNA-protein interaction skills are an asset.
- Demonstrated ability to conduct research published in reputed journals.
- Exceptional organization and time management skills
- Capable of working independently as part of team where professional communication and interpersonal skills are essential.
- Strong written and oral communication skills.
- Capacity to evaluate and resolve complex issues (troubleshooting of experiments, developing new methodologies, finesse of collaborative interactions, grant deadlines, etc.).
- Demonstrate high work and research ethics and pay strong attention to details.

Status

This is local recruitment. Citizenship or Permanent Residency or a work permit in Canada is required.

Working Conditions

This is a full-time position with full benefits (group insurance, pension plan).

Why the IRCM if for you!

The IRCM is a leading independent biomedical research institute with a mission to understand biology and diseases through scientific discoveries. Over 30 teams are dedicated to contributing research advances in cancer, cardiometabolic health, genetic and neurological disorders, and immunity, inflammation, and infectious diseases. The IRCM, with a rich history of over 55 years, is an internationally recognized institution with numerous contributions to biomedical research and with a track record of training many prominent scientists employed in all spheres of health and research. By joining us, you have an opportunity to shape your career in a unique non-profit institution dedicated completely to research and training.