

**Posting  
RESEARCH ASSISTANT**

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| <b>Position Title:</b>                              | Regular Research Assistant  |
| <b>Hiring Unit:</b>                                 | Rosalind and Morris Goodman Cancer Research Centre                |
| <b>Supervisor:</b>                                  | Dr. Vincent Giguère   |
| <b>Work Location:</b>                               | 3655 Promenade Sir-William- Osler, Room 710, Montreal QC, H3G 1Y6 |
| <b>Hours/Week &amp; Schedule:</b>                   | 35 hours/ week – Mon-Fri  |
| <b>Hourly Wage:</b>                                 | \$39.22   |
| <b>Planned Start Date &amp; End Date:</b>           | One year renewable  |
| <b>Date of Posting:</b><br>(5 working days minimum) | June 17, 2020   |
| <b>Deadline to Apply:</b>                           | June 26, 2020   |

**PRIMARY DUTIES**

Under the direction of the principal investigator, Dr Vincent Giguère, plans and executes research projects aimed at identifying molecular drivers and underlying molecular mechanisms in the contexts of obesity, hepatic and cardiovascular diseases, cancer and circadian biology. Provides significant research support and training to other laboratory members including 4 graduate students and 5 post-doctoral fellows within a team of 14 regarding project ideas, design and execution of experiments, statistical analysis, data analysis and mining, interpretation and figure presentation as well as in manuscript preparation, thus ultimately enhancing productivity and success. Assists the immediate supervisor with grant applications by developing project goals, figure preparations and proofreading as well as in the review of external research papers under candidacy for publication. Acts as a resource person, resolves problems, instructs others and oversees the day-to-day operations of the laboratory.

Aside from allocating 95% of the time to research duties, 5% of time is allocated to administrative tasks including acquiring quotes, purchase orders and ordering laboratory supplies/services, ensuring compliance with laboratory safety regulations including maintenance of eye wash stations, first-aid kits, laboratory hazard posters and in charge of conducting follow-up responses to inspections and implementation of new procedures or protocols.

**Main Duties and Responsibilities:**

- Heads research projects and actively participates in the day-to-day management of ongoing research projects of other laboratory members.
- Under supervision by the lab director, develops new research project ideas for students.
- Performs a variety of specialized technical tasks in fields such as genomics, molecular biology and biochemistry.
- Assists in animal (mouse) collection of tissues and processing.
- Trains personnel regarding specialized research techniques employed in the laboratory and use of laboratory equipment and reagents.
- Trains personnel on how to properly conduct research including experimental design, proper controls, techniques, data mining, analysis and interpretation.
- Trains personnel on how to create high-quality scientific figures (i.e. Adobe Illustrator and Prism) and prepare oral/poster presentations and guide them through manuscript preparations.
- Significantly participates in data analysis and interpretation and manuscript preparations (dissemination of results, illustration, writing, proofreading).
- Partakes in collaborative research projects both locally and internationally.
- Participates in group meetings and communicates results efficiently as reports and presentations.
- Participates in grant applications (generation of ideas, figure illustrations, proofreading).
- Participates in reviewing external papers under candidacy for publication.
- Maintains an up-to-date knowledge of relevant published work in the field and maintains an active understanding of advancing technologies and computational tools that can be valuable to the team.
- Oversees the day-to-day operations of the laboratory and performs administrative tasks such as acquiring quotes and purchase orders, purchasing consumables/services and ensuring compliance with environmental health and safety regulations by maintaining eye wash stations, first-aid kit contents and laboratory hazardous posters as well as through the implementation of new policies/practices.

| <b>EDUCATION/EXPERIENCE</b>  |
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| M.Sc. in Biochemistry, Molecular Biology or related field  |
| <b>OTHER QUALIFYING SKILLS &amp; ABILITIES</b>   |
| Knowledge of the mechanism of action of nuclear hormone receptors and their co-regulatory proteins in dictating specific transcriptional programs in normal and cancer cells; knowledge of computational tools required to analyze large omics datasets.   |
| <b>HOW TO APPLY</b>  |
| Please submit your application via e-mail at the following address: <a href="mailto:vincent.giguere@mcgill.ca">vincent.giguere@mcgill.ca</a>   |
| <i>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.</i> |