

**AMURE JOB POSTING
REGULAR RESEARCH ASSISTANT**

Position Title:	Research Assistant (Bioinformatics)
Hiring Unit:	Montreal Neurological Institute, Faculty of Medicine
Supervisor:	Dr. Ziv Gan-Or
Work Location:	Ludmer Building, 1033 avenue des Pins Ouest
Hours/Week & Schedule:	40 hours per week
Hourly Wage:	\$31.08 - \$40.80 (\$64,646 - \$86,986) (salary commensurate with experience)
Planned Start Date & End Date:	July 1 st , 2020
Date of Posting: (post for 5 working days minimum)	May 1 st , 2020
Deadline to Apply:	June 30 th , 2020

PRIMARY DUTIES

- Design, build, and manage MySQL and CouchDB databases, including a Laboratory Information Management System (LIMS) database, for members of the PI laboratory and other projects/collaborators.
- Develop and implement web-based interfaces (php, perl-CGI) of these databases, integrate user requirements in terms of on-line queries and analytical tools.
- Setup and maintenance of a web server to host databases and their web interfaces
- Reception and management of High-Throughput Sequencing (HTS) files. Assuring integrity, quality control, archiving, security and proper flow of incoming data.
- Primary production of results for HTS projects of PI, other MNI labs and collaborators. Includes management of sufficient compute resources, checking results integrity and quality, generation of statistical reports, timely communicating analysis results to researchers.
- Assist the supervisor, MNI lab members and collaborators for any of their specific HTS analytical needs: can take the form of developing scripts or software for specific needs, identifying and deploying existing software tools, or developing new analytical methods to meet project-specific needs.
- Continuing development, implementation and expansion of HTS bioinformatics analysis pipelines. Continued development of existing tools; addition of new tools and analysis techniques and practices as they become available from the literature and the bioinformatics community at large.
- Participate in bioinformatics meetings and contribute to the definition of priorities and future perspectives/orientations.

EDUCATION/EXPERIENCE

M.Sc. in bioinformatics, informatics, or biological science (+Graduate certificate in bioinformatics) with minimum five (5) years bioinformatics experience.

OTHER QUALIFYING SKILLS & ABILITIES

Experience in High-Throughput Sequencing data analysis and management. Familiarity with standard bioinformatics tools for application programming and maintenance, database design and administration. Excellent attention to detail, strong organizational skills, capacity to learn and the ability to work in a highly interactive environment are necessary.

HOW TO APPLY

Please submit your application to:

Please send your resume and three letters of reference to ziv.gan-or@mcgill.ca

Only candidates under consideration will be contacted

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.