**Data Analyst – SickKids**

Dedicated exclusively to children and their families, The Hospital for Sick Children (SickKids) is one of the largest and most respected paediatric healthcare centres in the world. As innovators in child health, we lead and partner to improve the health of children through the integration of healthcare, leading-edge research and education. Our reputation would not have been built – nor could it be maintained – without the skills, knowledge and experience of the extraordinary people who come to work here every day. SickKids is committed to ongoing learning and development, and features a caring and supportive work environment that combines exceptionally high standards of practice.

When you join SickKids, you become part of our community. We share a commitment and determination to fulfill our vision of *Healthier Children. A Better World.*

Don’t miss out on the opportunity to work alongside the world’s best in paediatric healthcare.

The Genetics and Genome Biology Program is seeking a highly qualified candidate for a **Data Analyst** position. The data analyst will be a core member of a research group that studies the genetics and epigenetics of brain-related disorders (such as autism spectrum disorder, epilepsy and schizophrenia). The primary responsibilities will be monitoring, analysis, interpretation, and reporting of data from whole exome/genome sequencing and microarray. The role of the analyst includes processing data, quality checks, preparing preliminary summary statistics and graphical display of the data. The data analyst will also have the opportunity to interact and collaborate with researchers and clinicians from SickKids and other Toronto hospitals.

**Here’s What You’ll Get to Do:**

- Formulation of data analysis plans.
- Assist with the preparation of research proposals and grant applications (e.g. sample size calculation and justification).
- Data management and cleaning, analysis, and presentation of results in tables and figures, and contributions to the preparation of manuscripts for submission to peer-reviewed journals.
- Literature searches, as required to undertake data analysis and interpretation.
- Attending relevant meetings, rounds or workshops to increase knowledge and skills.
- Maintaining the file that documents the statistical analysis process.
- Mining public genomic databases.

**Here’s What You’ll Need**

- **Minimum:** Bachelor’s degree in information technology, mathematics, biology, statistics/biostatistics or equivalent experience.
- Sufficient background in biology and genetics.
- Significant experience using R statistical and graphical software packages is essential.
- Courses taken in statistical genetics/genomics is considered an asset.
- Experience in analyzing genomics and/or epigenomics data is considered an asset.
- Previous experience performing gene-set and pathway analysis for genetic variant data is highly desirable.
- Familiarity with HPC environments and how to run applications in HPC clusters is desirable.
- Co-authorship as the primary data analyst on at least one published research paper would be an asset.
- Excellent organizational and time management skills.
- Ability to work independently as well as part of a team.
- Highly motivated and willingness to learn.
- Excellent attention to detail.
- Exceptional communication skills; both oral and written.

**Employment Type:** Temporary, Full-Time (1-year contract with possibility of renewal)
SickKids is strongly committed to diversity within its community and welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups and others who may contribute to diversity within our organization.

SickKids is also committed to providing services in both official languages and our preference is to hire employees who are fluent in both English and French whenever possible.

Thank you for your interest in joining SickKids. Only those applicants selected for an interview will be contacted. In accordance with our Hospital policy, employment at SickKids is conditional upon the Hospital’s receipt of all necessary documentation.

**How to Apply**

Please apply through SickKids website: [https://career.sickkids.ca](https://career.sickkids.ca) (job-ID#7182)

**Tip:** Combine your cover letter and resume into ONE document as you cannot upload multiple documents as part of your application.

If you are still experiencing technical difficulties please email ask.hr@sickkids.ca to send us a short description of the issues you are experiencing. Please note that we will not accept resumes sent to this inbox, but we are happy to respond to requests for technical assistance.