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.

Senior Biostatistician

A Senior Biostatistician position is available in The Centre for Applied Genomics at The Hospital for Sick Children. The successful candidate will join a team of statistical geneticists providing statistical support for projects requiring genetic analysis. The Biostatistician works collaboratively with researchers with guidance from Senior biostatistician scientists to design research studies, process data, including data quality checks, prepare preliminary summary statistics and graphical methods, conduct basic and intermediate level statistical analyses, and report results to the senior biostatisticians and the research team.

Here’s What You’ll Get To Do:

- Analysis of next-generation DNA sequence data.
- Analysis of genome-wide single nucleotide polymorphisms and copy number variants.
- Linkage analysis, gene expression and epigenetic analysis, and related programming and scripting activities.
- Provides consultation to client researchers to help plan and design studies to ensure consistently high quality research.
- Evaluate the feasibility of studies (selection of outcomes, parameter estimates, power and sample size calculations), drafting sample size and analysis plan sections for grant proposal applications.
- Prepare summary statistics, graphical methods, and data queries (to look for duplication, errors in logic) to ensure data quality and identify outliers and potential data errors.
- Perform the statistical analysis as well as explain and interpret the results.
- Prepare summary tables and figures.
- Review manuscripts and abstracts prior to submission.
- Prepare data for publication and/or presentation at scientific meetings, which may include writing and/or reviewing analysis sections of manuscripts.
- Maintain documentation regarding the statistical analysis process.
- Keep abreast of current developments and issues related to consulting projects.
- Attends courses and conferences, as needed.

Here’s What You’ll Need:

- PhD in Statistics or Biostatistics.
- Minimum of 2 years of experience in analyzing genetic data.
- Expertise with statistical software (e.g. SAS, R), including some experience with computer programming
- Experience in the following would be considered an asset:
  1. R, C, perl, plink, and unix.
  2. Public genetic databases such as UCSC genome browser, HapMap, 1000 genomes.
• Prior experience working with large-scale genomics datasets is an asset.
• Experience with gene expression and DNA methylation would be an asset
• Strong computer skills are required.
• Excellent critical thinking and problem-solving skills, as well as ability to prioritize and manage multiple projects with competing deadlines and work with minimal supervision.
• Ability to work independently as well as part of a team.

Employment Type: Full Time, Temporary (1 Year)

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 online at this link: http://bit.ly/2pimz5n

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.