



The Hospital for Sick Children  
[555 University Avenue](#)  
Toronto, Ontario  
Canada  
M5G 1X8

**Biostatistician - Psychiatric genetics research program**

We are looking for an experienced biostatistician to work on genome-wide data to understand the etiology of childhood mental illness in the multidisciplinary research team of Drs. Russell Schachar and Jennifer Crosbie. The successful applicant will work at the Hospital for Sick Children's Research Institute on numerous collaborative projects with a focus on genome-wide association analyses (GWAS, polygenic risk scores, SNP heritability) and analysis of next-generation whole genome and exome sequence data. The research participant population comprises of a diverse mix of healthy children and children with childhood mental illnesses including attention-deficit/hyperactivity disorder, obsessive-compulsive disorder and autism spectrum disorder.

The successful candidate should have at least an MSc in biostatistics as well as experience with microarray and/or sequencing data. Experience relating to psychology, psychiatry or neuroscience data is an asset. Successful candidate should have experience in cleaning, manipulating and analyzing small and large datasets using shell (bash) scripts, R, plink, gcta, imputation tools and UNIX-based data manipulation software such as bcftools, vcftools, etc. This position will involve extensive data cleaning and statistical analysis of multifaceted datasets for the purposes of exploratory analysis, grant application and publication preparation. The successful candidate will also assist various trainees and study staff with statistical analysis and data interpretation as well as participate in international collaborations (e.g., Psychiatric Genomics Consortium). An ideal candidate would also have excellent problem-solving, time management and written and oral communication skills.

**Employment Type:** Full-Time Permanent, 1.0 FTE

**Apply Here:**

[https://career.sickkids.ca:8001/psc/CRPRD/CAREER/HRMS/c/HRS\\_HRAM\\_FL.HRS\\_CG\\_SEARCH\\_FL.GBL?Page=HRS\\_APP\\_JBPST\\_FL&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=14803&PostingSeq=1](https://career.sickkids.ca:8001/psc/CRPRD/CAREER/HRMS/c/HRS_HRAM_FL.HRS_CG_SEARCH_FL.GBL?Page=HRS_APP_JBPST_FL&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=14803&PostingSeq=1)

Inquires about the position can be directed to Dr. Crosbie ([jennifer.crosbie@sickkids.ca](mailto:jennifer.crosbie@sickkids.ca))