

Understanding the fundamental biology underlying neurodevelopmental disorders (autism, attention deficit/hyperactivity disorder, obsessive compulsive disorder, etc.) can be greatly aided by integrating brain imaging studies, genetics, and behaviour. We are seeking a data analyst to improve our analysis algorithms and to help us gain insights into neurodevelopmental disorders. Particular focus will be given into integrating cross-species data. The post will be embedded within the Province of Ontario Neurodevelopmental Disorders program. The work will be carried out at the Hospital for Sick Children (SickKids) in Toronto in close association with the Wellcome Centre for Integrative Neuroimaging at the University of Oxford. The group with whom the candidate will work includes ~40 people from a broad range of backgrounds including neuroscience, neurology, psychiatry, psychology, engineering, computer science, physics, chemistry and biology. SickKids is affiliated with the University of Toronto and is Canada's most research-intensive hospital. It is located in the heart of the "Discovery District" in downtown Toronto.

Here's What You'll Get To Do

- Implement novel statistical and machine learning algorithms.
- Apply analytic and statistical tools to complex brain imaging, genetic and behaviour data to gain insight into neurodevelopmental disorders.
- Work with cross species (primarily humans and mice) data to infer molecular function. Improve cross-species workflows.
- Disseminate research and clinical findings through publications, presentations, and seminars.

Here's What You'll Need

- Strong Unix/Linux background.
- In-depth knowledge of at least two scripting languages (R, python, perl, etc.)
- Knowledge of statistics and machine learning pipelines.
- Experience with brain imaging data analysis a bonus.
- Motivation and the ability to work independently.
- Strong communications skills.

Job Opening ID: 18450
Posting Title: Programmer/Analyst

To view this Job Opening, visit:

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