



Open Position

- Project Title: The effects of software variability on Parkinson's disease MRI biomarkers
- Position Type: Postdoctoral fellow
- Start Date: March 1st, 2022
- Application Deadline: Until position is filled
- Duration: 2 years
- Supervisor: [Tristan Glatard](#)

Project Description

The [Big Data Infrastructures for Neuroinformatics laboratory](#) at the [Department of Computer Science and Software Engineering](#) at [Concordia University](#) is looking for a postdoctoral fellow (PDF) to investigate the effects of software variability on Parkinson's disease MRI biomarkers as part of a project funded by the [Michael J Fox Foundation](#). In compliance with open-science best practices, the PDF will reproduce existing MRI measures related to Parkinson's disease and investigate their reproducibility across a range of software perturbations. The resulting evaluations will advance the design, understanding, and clinical applicability of PD biomarkers by providing an overview of biomarker replicability. The PDF will be part of a team of ten students, post-docs and Faculty members working on the project at Concordia (supervised by [Tristan Glatard](#)) and McGill (supervised by [Jean-Baptiste Poline](#) and [Madeleine Sharp](#)) and will have the opportunity to interact with neuroimaging and clinical researchers.

Academic Qualifications Required

PhD in Computer Science, Software Engineering, Computer Engineering, Electrical Engineering, Biomedical Engineering or closely related discipline.

Excellent programming skills; previous experience with reproducible/open neurodata science; excellent scientific writing and communication skills.

How to Apply

- All documents must be submitted to [Tristan Glatard](#)
- Cover letter (1-3 pages) demonstrating the fit with the program described above
- CV demonstrating research excellence
- Two letters of reference from academic supervisors or current employers

Employment Equity

Concordia University is strongly committed to employment equity within its community, and to recruiting a diverse staff. Applications from all qualified candidates are encouraged, including women, members of visible minorities, Indigenous persons, members of sexual minorities, persons with disabilities, and others who may contribute to diversification; candidates are invited to self-identify in their applications.