The Montreal Neurological Institute in the Faculty of Medicine at McGill University invites applications for a Consultant, Technology & Architecture (Maximum six (6) month term)

CONTEXT
In the past three years, the Faculty of Medicine at McGill University has been successful in establishing several major initiatives in neurosciences, such as the Ludmer Center, HBHL, TOSI, CONP and ACAR. In addition, the McGill University and Genome Quebec Innovation Center (MUGQIC) has continued to grow, is working with increasingly large datasets, and has obtained significant funds for informatics infrastructure from CFI and Genome Canada. All these initiatives (total investment of >300$M over seven years) are linked with established programs and institutions such as the MNI and some of its units (CRU, BIC), the MUHC, the Douglas Institute, and other components at the University such as the new McGill initiative in Computational Medicine (MiCM).

Considering that data analysis and sharing will be a key element of success for all of the above programs and institutions, McGill is committed to building a robust cyberinfrastructure platform acting as a data and tools hub for multiple uses, including neurosciences, genomics and clinical medicine. The objective is to offer a service for institutions, programs, and researchers to make their data accessible and to access data made available elsewhere.

This cyber-informatics platform will operate as a Core Service Platform to serve the mission and scientific objectives of programs and units led by McGill University and its Faculty of Medicine (Douglas, MNI, MUGQIC, TOSI, Ludmer Center, BIC, ACAR, CONP, HBHL-NeuroHub).

MANDATE
In collaboration with Faculty of Medicine technology leaders and stakeholders, the mandate of this consulting engagement is to:

1. Gain an understanding of (i) the scientific direction planned by the various research programs supported by informatics platforms, (ii) the data-sharing initiatives amongst these programs, and (iii) the technology infrastructure currently in place supporting the various research programs.
2. Based on the knowledge gained from the above activities, identify potential synergies and opportunities for interoperability between these platforms.
3. Propose a coherent high-level design for a cyberinfrastructure solution that allows for world-class research and clinical data analysis, and publishing, in full compliance with Open Science principles and global standards.

It is expected that in building the recommended cyberinfrastructure design, the consultant will seek external feedback from international leaders experienced in building world-class cyberinfrastructure platforms, with established track-records of accomplishments.

PROFILE
The ideal candidate is a successful, experienced IT leader who has been responsible for assessing the needs of heterogeneous user communities, developing technology strategy and direction, ideally in a research context, and is capable of articulating a vision for information management systems within the context of large research-intensive organizations that generate and use complex datasets. He/she is able to design, develop and implement solutions and strategies in order to move the organization forward.

Application Process
Submit a cover letter and CV to John McCall at john.mccall@mcgill.ca