Job Title: Post Doctorate Fellowship in Blood Transfusion Data Science
Location: HSC – Central Campus
Job Type: Limited Term
Employee Group: Pos Doc (Union & Non-union)
Department: Medicine
Contract Duration: 12 months
Hours per Week: 35

Background:

The Michael G. DeGroote Centre for Transfusion Research (MCTR) is an academic research centre at McMaster University. The Centre’s mission is to improve health outcomes of blood transfusion recipients and blood donors, and to ensure that the blood supply is safe and sustainable. Activities in the centre include clinical trials, large database projects, and observational studies linked with laboratory-based discovery work with a unique translational research focus.

The Post-Doctorate Fellow will be responsible for:

- Developing and executing Data Science research in Transfusion Medicine and Hematology under the academic supervision of Dr. Donald Arnold.
- Exploring existing and new health databases in Transfusion Medicine that will enable future, innovative research.
- Interacting with a multidisciplinary team including research scientists at McMaster University, Hamilton Health Sciences and national and international academic collaborators.
- Leading meetings with collaborators, stakeholders and participants to communicate study results.
- Knowledge translation activities, including presentation of findings at relevant conferences and meetings and writing and publication of scientific manuscripts.
- Ensuring appropriate handling of data within the context of ethics approvals.
- Assisting with mentoring and supervising undergraduate and graduate students working on related projects.
- Actively seeking grant opportunities (e.g., from the Canadian Institutes of Health Research).

Required Qualifications:

- PhD in a relevant discipline (e.g., Computer Science, Computer Engineering, Biochemistry, Immunology and Hematology), completed within the last 5 years.
- Advanced skills in computer science and experience with data management and analysis.
- Excellent written and oral communication skills.
• Strong publication and presentation track record in a related field.
• Experience in dissemination of research and knowledge translation, with ability to present to a wide range of audiences.
• Ability to independently organize workload, set goals, and work effectively towards deadlines.
• Ability to effectively work both independently and collaboratively, including demonstrated leadership qualities and interaction with collaborators.
• Experience and knowledge of Transfusion Medicine will be considered an asset.

**Salary:**

Salary is commensurate with experience and accomplishments. Benefits will be provided. The appointment is renewable for an additional year subject to the availability of funding and satisfactory performance.

**Application Instructions:**

Applicants should submit a 1-2-page statement of interest, representative published or submitted journal publications, detailed up-to-date curriculum vitae (CV), and the contact information of 3-5 references. Please send application materials to Jessica Clarke (buchmulj@mcmaster.ca).

The start date for this position is negotiable. The review of applications will begin in April 2023 and the search will continue until a suitable candidate is found. We appreciate all replies to this advertisement, but only applicants selected for an interview will be contacted.

**Other Information:**

**McMaster University** is situated on 300 acres of scenic property, has over 28,000 undergraduate students, 4,500 graduate students, and 1,000 full time faculty. It is recognized as one of Canada’s best diversity employers, Canada’s most research-intensive university, and is ranked among the world’s top 70 universities by the Times Higher Education University Impact Rankings.

**The Department of Medicine** is committed to providing outstanding clinical care, education, and continuing to be a world-leading centre for research and innovation. It is home to almost 300 full-time and more than 440 non-geographic full-time faculty across 18 divisions.

**Hamilton, Ontario** is located just one hour outside Toronto, is a sprawling urban centre home to over 550,000 residents. It boasts a Canadian Football League and American Hockey League team, professional theatre company, and growing music and art scene, including Ontario’s third largest public art gallery. It is known as the “Waterfall Capital of the World” and is home to the Royal Botanical Gardens, extensive trail systems, and pristine natural areas.