



McGill

MCGILL CLINICAL & HEALTH
INFORMATICS

Postdoc Opportunity in Machine Learning, Healthcare Analytics, and Optimization at McGill University
Montreal, Canada

We are recruiting a postdoc to apply machine learning, simulation, and optimization to the challenge of maximizing blood collection while managing risks of iron deficiency in repeat blood donors. This interdisciplinary project will involve analyzing real-world datasets from multiple international blood collectors to develop and assess potential individualized approaches to blood donor management. The postdoc will work with faculty in management and public health. The research has a high potential for publication in both technical and medical journals or conferences. Candidates from all backgrounds, including marginalized and historically underrepresented groups, are encouraged to apply.

Profile of successful candidate:

- PhD in industrial engineering, operations management, computer science, or related
- PhD expected by November 2022 or awarded no earlier than January 2020
- Experience using machine learning, simulation, and/or operations research methods in data-driven research
- Experience working with real-world healthcare data
- Relevant peer-reviewed journal or conference publications

To apply:

- Send a CV, cover letter, and list of three references to alton.russell@mcgill.ca
- To be guaranteed consideration, please apply by Tuesday, May 24

Co-supervisors:

- [Yichuan \(Daniel\) Ding](#), Assistant Professor, Desautels Faculty of Management, McGill
- [Alton Russell](#), Assistant Professor, School of Population and Global Health McGill

Additional information:

- McGill University is committed to diversity, inclusion, and equity in employment. Applications are welcome from indigenous peoples, visible minorities, ethnic minorities, persons with disabilities, women, persons of minority sexual orientations and gender identities.
- Candidates' eligibility to hold a Postdoctoral Research Fellowship expires 5 years after the date on which their PhD was awarded. See: <https://www.mcgill.ca/gps/postdocs/fellows/registration/eligibility>
- Any offer to non-Canadian citizens or non-permanent residents in Canada is contingent on the candidate obtaining a work permit after an offer has been made and a letter of invitation sent. See: <https://www.mcgill.ca/gps/postdocs/international/workpermit>