Job Description:

CANADA RESEARCH CHAIR TIER 2, ANALYTIC TECHNIQUES IN POPULATION DATA SCIENCE AND DATA CURATION

Date Posted: March 13, 2019

Analytic Techniques in Population Data Science and Data Curation, Canada Research Chair Tier 2, Manitoba Centre for Health Policy, Department of Community Health Sciences, Max Rady College of Medicine, Rady Faculty of Health Sciences

Position Numbers 27198 and 27197

The University of Manitoba invites applications for a Canada Research Chair Tier 2, a tenured or tenure-track position at the rank of Assistant or Associate Professor, in the area of Analytic Techniques in Population Data Science and Data Curation.

The Government of Canada has established the CRC program to enable Canadian universities to foster world class research excellence. The proposed CRC aligns with the University's strategic research plan that identifies Integrative Research in Health and Well-being as a targeted area.

The Chair will be situated within the Manitoba Centre for Health Policy (MCHP) in the Department of Community Health Sciences (CHS), Max Rady College of Medicine, Rady Faculty of Health Sciences. The MCHP is an internationally recognized centre of excellence that carries out population-based research on health services, population and public health, and the social determinants of health. The MCHP houses the Manitoba Population Research Data Repository (Repository) that includes a globally unique combination of individually-linkable de-identified data from health, education, social services, justice and many other sectors. This critical infrastructure provides a rare opportunity to better describe and understand how clinical, policy and social factors contribute to population health and social well-being. The MCHP's exceptional research portfolio provides a superb platform of data resources for the Chair to rapidly develop a world-class research program, collaborating with existing faculty members and other partners. See http://umanitoba.ca/medicine/units/mchp/.
Responsibilities:
The Chair will be expected to develop and lead an interdisciplinary and collaborative program of research focused on best practices in analytic techniques in population data science and data curation. The Chair will build knowledge around the use of machine learning and neural networks to support optimal use of MCHP's rich linked data holdings, by streamlining data analysis processes and discovery.

The successful candidate will enhance training capacity at MCHP in Population Data Science and analysis of complex data, and provide leadership in this field based on the unique and growing collection of data resources available. The Chair will accelerate the advancement of research capacity at MCHP in Population Data Science though collaboration with other faculty members in the areas of medicine, public health, statistics, computer science and knowledge translation.

The Chair will have teaching responsibilities at the graduate level, and will be expected to supervise Master's and PhD students and post-doctoral fellows.

Qualifications:
The successful candidate must have a Ph.D. or equivalent in a relevant discipline. Necessary qualifications for the position include evidence of high research quality and productivity appropriate to career stage, as demonstrated by a track record of strong research activity, research funding and academic output, and a record of mentorship of undergraduate, graduate and/or postdoctoral level trainees. Rank and salary will be commensurate with qualifications and experience.

A successful candidate is expected to be selected no later than July 2019, after which a Tier 2 CRC nomination application will be prepared, and expected to be submitted in October 2019. Chairs are awarded by the Tri-agency Institutional Programs Secretariat after a rigorous evaluation, and award decisions are expected in the Spring of 2020. The appointment will be conditional on a successful Canada Research Chair nomination, and is expected to begin on July 1, 2020.

Applicants must be exceptional emerging scholars with less than 10 years of experience as an active researcher since obtaining their terminal degree at the time of nomination. Tier 2 Chairs are valued at $100,000 per year for 5 years with an option to renew once. Applicants who are more than 10 years from having earned their highest degree, and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc., will have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. New CRC awardees are also eligible for infrastructure support from the Canada Foundation for Innovation (CFI) to help acquire state-of-the-art equipment essential to their work, including high-performance computing and access to Compute Canada resources to support the computational power needed to perform leading-edge research, and to store and analyze data. Please contact the UM's Office of Research Services (researchgrants@umanitoba.ca) office for more information (www.umanitoba.ca/research/ors/).

The University acknowledges the potential impact that Career Interruptions and Personal Circumstances can have on an applicant's record of research achievement. We encourage applicants to explain the impact of any such interruption(s) in their submission. Measures will be taken to ensure that these leaves will be taken into careful consideration during the evaluation process. The CRC Nomination Selection Committee will receive equity training that includes instruction on how to recognize and combat unconscious, implicit, overt, prejudicial and other
kinds of bias. The Canada Research Chairs website also provides full program information including details on eligibility criteria at: www.chairs-chaires.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx

Additional Information:

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. If candidates require accommodation supports during the search process, please contact Valerie Williams, Diversity and Inclusion Consultant: valerie.williams@umanitoba.ca or 204 474-8371. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

The University of Manitoba, founded more than 140 years ago, is located in Winnipeg, and is the region’s largest research-intensive university. The university community is comprised of close to 30,000 students, 9,000 faculty and staff, and over 140,000 alumni. A vibrant, prairie city with a population exceeding 700,000, Winnipeg boasts world-class arts and entertainment, professional sports teams and an affordable, balanced lifestyle; for more information, visit www.tourism.winnipeg.mb.ca.

Application materials, including reference letters, will be handled in accordance with the Freedom of Information and Protection of Privacy Act (Manitoba). Please note that application materials may be provided to participating members of the search process.

Application Deadline: April 22, 2019. Review of applications will continue until the position is filled.

Application materials should include:
- a cover letter outlining the candidate's qualification and how they fulfill the above-listed criteria
- a curriculum vitae (including examples of significant research contributions)
- a two-page statement outlining the innovative and original proposed five-year research program envisioned for the Tier 2 chair and its potential to attract funding, contribute to student training and other impacts on the broader community, and a statement on candidate's strengths and experiences in increasing Equity, Diversity and Inclusion in previous institutional environments
- a teaching statement that documents the candidate's experience in and approach to training and mentoring diverse students and the candidate's teaching philosophy
- the names and contact information of three referees

Send by email to:

Dr. Stephen Moses, Head, Dept. of Community Health Sciences, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba

Email: Shannon.Turczak@umanitoba.ca

Please refer to Position Numbers 27198 and 27197 in the subject heading.