

Canada Research Chair (Tier 2) Data Analytics for Health

The Faculty of Health Sciences and the Faculty of Science at Western University invite applications for a Tier 2 Canada Research Chair (CRC) in Data Analytics for Health at the rank of Assistant or Associate Professor, Probationary (tenure-track). Salary will be commensurate with qualifications and experience. The successful candidate will have demonstrated a potential for excellence in research that *promotes better health and well-being outcomes in the community through the use of data analytic techniques* that may include, but are not limited to, machine learning, mHealth, data acquisition and analysis of wearable sensors and other internet-of-things devices, or advanced mathematical and statistical modelling. Priority areas of health research include a) understanding the conditions that contribute to better health and well-being in diverse populations, and b) improving services and systems for health promotion and health care.

The successful candidate will hold a PhD, and will have a background in a health-related discipline such as Health Sciences, Nursing, Kinesiology, or Rehabilitation Sciences and/or in a quantitative discipline such as Applied Mathematics, (Bio-) Statistics, Computer Science, Engineering, Mathematics, or Physics. They will be jointly appointed to a School in the Faculty of Health Sciences (Kinesiology, Health Studies, Nursing, Occupational Therapy, Physical Therapy, or Communication Sciences and Disorders) and a department in the Faculty of Science (such as Applied Mathematics, Computer Science, or Statistical & Actuarial Sciences). The successful candidate's research interests will be supported by a record of external funding, peer-reviewed publications, and national/international exposure through invited lectures and/or conference symposia as appropriate for their discipline and career stage. Evidence of research leadership potential would be beneficial. In short, the successful candidate will be an emerging researcher with demonstrated research activity and creativity, acknowledged by peers as possessing the potential to achieve international recognition and to lead in their field in the next five to ten years, and possess the potential to attract high quality personnel and future research collaborators.

The Chairholder will be expected to contribute towards growing collaborations among researchers within the Faculty of Health Sciences and the Faculty of Science. The Chairholder may benefit from interactions with the Canadian Centre for Activity and Aging (<http://www.uwo.ca/ccaa/>), the Bone and Joint Institute (<http://boneandjoint.uwo.ca/>), the Brain and Mind Institute (<http://www.uwo.ca/bmi/>) and BrainsCAN initiative (<http://www.uwo.ca/brainscan/>), the National Centre for Audiology (<https://www.uwo.ca/nca/>), the Centre for Research on Health Equity and Social Inclusion (<https://crhesi.uwo.ca/>), and the Parkwood Institute Research (<https://www.lawsonresearch.ca/research-theme/parkwood-institute-research>), which includes the new Gray Centre for Mobility and Activity. Our researchers are supported by world-class facilities and infrastructure including the computational capacity in SHARCNET (www.sharcnet.ca) and the Southern Ontario Smart Computing Innovation Platform (www.soscip.org). The Chairholder will be eligible to apply for infrastructure support from the Canada Foundation for Innovation to help acquire essential state-of-the-art equipment. In addition to research and scholarly activity, the Chair will be engaged in teaching, potentially in the Master of Health Information Sciences program, and service.

The selected candidate will be nominated by Western University to apply for the Tier 2 CRC in Data Analytics for Health. In accordance with the regulations set for Tier 2 Canada Research Chairs (www.chairs-chaire.gc.ca), Tier 2 chairs are intended for exceptional emerging scholars (i.e., candidates must have less than 10 years of experience as an active researcher in their field at the time of nomination). 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.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process; please contact Research Development at The University of Western Ontario at ResearchWesternCRC@uwo.ca for more information. Please consult the Canada Research Chair website for full information, including further details on eligibility criteria. http://www.chairs-chaire.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx.

Western has a full-time enrolment of approximately 32,000 in a range of academic and professional programs, including

a new professional Master's program in Data Analytics <http://uwo.ca/mda>. With annual research funding exceeding \$220 million, and an international reputation for success, Western ranks as one of Canada's top research-intensive universities. Our research excellence expands knowledge and drives discovery with real-world application. Western also provides an exceptional employment experience, offering competitive salaries, a wide range of employment opportunities and one of Canada's most beautiful campuses. Information about the Faculty of Health Sciences can be found at www.uwo.ca/fhs, the Faculty of Science at www.uwo.ca/sci, and Western at www.uwo.ca. The University of Western Ontario's Recruitment and Retention Office is available to assist in the transition of successful applicants and their families.

Western University recognizes that our commitment to equity, diversity and inclusion is central to the University's mandate as a research-intensive institution of higher learning and a community leader. Western understands that our pursuit of research excellence and our commitment to equity, diversity and inclusion are mutually supporting. As such, Western is committed to achieving and maintaining an equitable representation amongst our Canada Research Chair holders, as well as within Western's broader research enterprise.

The University of Western Ontario recognizes the potential impact that legitimate career interruptions can have on a candidate's record of research achievement. Potential candidates are encouraged to explain within their application the impact that career interruptions have had on their record, and to submit a full career or extended CV to a chairholder position in cases where they have had career interruptions.

The anticipated start date is July 1, 2021. Applicants are required to complete the *Application for Full-Time Position* form available at <http://www.uwo.ca/facultyrelations/pdf/full-time-application-form.pdf> and submit it along with i) a cover letter (highlighting fit within both Faculties and research entities at Western), ii) a detailed curriculum vitae, iii) a brief description of the candidate's current research program, past accomplishments and future plans, iv) links to representative publications, and v) the names and contact information of three references **as a single pdf file** to:

Drs. Janis Cardy and Bryan Neff
Search Committee Co-Chairs, Tier 2 CRC in Data Analytics for Health
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**Review of applications will begin on February 1, 2021.
Please quote number HS 216 on all correspondence for this position.**

Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Indigenous peoples/Aboriginal persons, persons with disabilities persons of any sexual orientation, and persons of any gender identity or gender expression.

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Wanda Chebott, Executive Assistant to the Dean of Health Sciences at wechebot@uwo.ca or 519-661-4239.

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