



Canada Research Chair (Tier 2) in Biostatistics and Big Data Analytics

Department of Mathematics and Statistics, Faculty of Science, York University

Applications are invited from emerging world-class leaders in the areas of biostatistics, machine learning and big data analysis to be nominated for a Tier 2 Canada Research Chair at York University. Preference will be given to candidates with expertise in analyzing large volumes of data generated by biological and/or medical studies in areas that may include biological or computational vision research.

Canada Research Chairs are research-intensive faculty positions providing the chair holder with an exceptional opportunity to grow their research program through the provision of protected time and enhanced access to research supports.

The successful candidate should have a Ph.D. in statistics or a related field and a minimum of three years of postdoctoral experience at the time of taking up the appointment, with a prior faculty appointment preferred, or equivalent qualifications. The incumbent will also have an outstanding early career record including training and research awards and publications in high-quality refereed journals, and clear evidence of cross-disciplinary collaboration. The incumbent is also expected to demonstrate excellence or promise of excellence in graduate supervision and teaching and be eligible for prompt appointment to the Faculty of Graduate Studies.

The Department of Mathematics and Statistics has a strong research group developing methodology and applications in statistical machine learning and big data analysis. The incumbent must be willing and able to take a leadership role in the activities and development of a vibrant Big Data Statistics research group within the Department. The incumbent is expected to form strong collaborations with fellow researchers in cognate fields across the University, throughout Canada and internationally. In addition, he/she is expected to recruit graduate students and postdoctoral fellows, attract significant external funding, and develop new courses in the area of statistics, machine learning and the analysis of big data.

The Department also has strong research groups with interests in medical research (including the Centre for Disease Modelling and the Centre for Vision Research), climate change as well as biological and financial applications. Related research hubs across the Faculty of Science and York University – including the York Institute for Health Research, and the High-Energy Physics Group – also provide excellent collaborative opportunities. Further information about the Department of Mathematics and Statistics in the Faculty of Science can be found at <http://science.yorku.ca/>.

The successful candidate will be appointed to a tenure-track position at the Assistant or Associate Professor level. The award of the Chair is subject to approval by the CRC program review process. Tier 2 Chairs have a five-year term, once renewable, and are intended for exceptional emerging researchers (i.e., typically with less than 10 years experience as an active researcher in their field, with consideration for career breaks) who have the acknowledged potential to lead their field of research. Information about the CRC program can be found at <www.chairs.gc.ca>.

The start date for the position is July 1, 2016 or as soon as possible thereafter.

Applications should be submitted via the AMS MathJobs site <<http://www.mathjobs.org/jobs>>, and include a letter of interest (incorporating a brief five-year research plan and evidence of teaching effectiveness), curriculum vitae, and names and contact information of three referees. **Applications must be received by December 1, 2015.**

All York University positions are subject to budgetary approval. York University is an Affirmative Action (AA) employer and strongly values diversity, including gender and sexual diversity, within its community. The AA program, which applies to Aboriginal people, visible minorities, people with disabilities, and women, can be found at <http://yorku.ca/acadjobs> or by calling the AA office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and Permanent Residents will be given priority.