

Postdoctoral Position in Statistics and Applications

Two postdoctoral fellow positions in Statistics are currently available with the CANSSI CRT on “The application of Statistical Methods to Wastewater Analysis” (<https://canssi.ca/status/current-projects/>), led by Charmaine Dean (University of Waterloo), Robert Delatolla (University of Ottawa), and X. Joan Hu (Simon Fraser University). One position will be at University of Waterloo with the focus on development of statistical methods, supervised by C. Dean jointly with X.J. Hu; the other position, at University of Ottawa, on statistical applications in wastewater analysis, supervised by R. Delatolla jointly with C. Dean.

These positions will advance knowledge and analysis related to statistical methods for the analysis of health projects related to disease surveillance. Each of the appointments is for an initial term of one year, with potential for renewal for a second year, with a salary of \$60,000. The starting dates of the positions are September 2024, with flexibility for starting later in Fall 2024. Each of the postdoctoral fellows may have opportunities to teach one course per academic year based on teaching qualifications and the preference of the candidate.

Applications will be reviewed on a rolling basis, with reviewing beginning in July 2024 until the positions are filled. Applicants are expected to hold a PhD in Statistics or a related area. Experience in research areas such as spatio-temporal analysis, machine learning, and/or joint (random effects) modeling would be advantageous to accelerating the research projects. No knowledge of wastewater-based surveillance or wastewater-based epidemiology is expected. We are looking for candidates who have interest in health research as well as expertise in statistical methods to research several interesting surveillance questions leading to better tools for warning signals in surges of disease that would impact health system utilization, so as to better support patient care.

Applicants are invited to submit the following information with the subject line of “Statistics Postdoc Application” to vpri-assistant@uwaterloo.ca: (a) a cover letter, (b) a curriculum vitae, identifying date or expected date of completion of a PhD, (c) a short research statement describing current and past research (two page maximum), and (d) a list of contact information for three references.