Agent-Based Modelling Laboratory

Postdoctoral Fellowship (Immediate Recruitment)

Area: Data Analysis, Statistical Modelling, Systematic Review

Agent-Based Modelling Laboratory (ABM-Lab), York University
Toronto, Canada

Applications are invited for a postdoctoral position at the Agent-Based Modelling Laboratory (ABM-Lab), York University. The successful candidates will be expected to play a major role in multi-institutional projects. The research will use statistical and computational modelling tools, involving large databases related to infectious disease epidemiology, with immediate focus on COVID-19 outbreaks. Under the supervision of Prof. Seyed Moghadas the successful applicant will work collaboratively with other members of the ABM-Lab and investigators from several US research centres. The successful candidate will also be provided with opportunities to freely pursue research questions of interest and visit collaborators.

Given the timeliness of the projects, scale of international collaboration, and rapid responses under demanding timelines, applicants should have significant experience in data analysis, fitting and regression models, and rigorous statistical inference. The successful candidates should have excellent English language communication skills (both written and verbal). Evidence of previous work in an interdisciplinary research environment and writing scientific articles of high quality would be considered a major asset. The successful candidate will be responsible for summarising outcomes of the projects for publications in the form of scientific articles.

Applicants must be within 4 years of having completed their PhD in a field that is relevant to the research projects (e.g., applied mathematics, statistics, biostatistics). The initial appointment will be for one year. The salary will be commensurate with the experience of the candidate in the range of $45,000 to $55,000 CDN (including benefits). Extension of the tenure to the second year is possible pending funding availability and satisfactory performance.

Review of applications will begin immediately and continue until the position is filled. Expected start of the position is March 1, 2022, or soon thereafter. Applicants must submit a cover letter, curriculum vitae along with complete contact information, copies of 2 recent publications (relevant to the research area), and arrange for two letters of recommendation to be sent directly to abmlab@yorku.ca. Incomplete applications will not be considered.

We will accommodate remote working for Canadian applicants for the first 3 months [from March – May, 2022] due to COVID-19 restrictions.

We appreciate receiving applications; however, only selected applicants will be contacted.