



Agent-Based Modelling Laboratory



Postdoctoral Fellowship

Area: Health Economics, Computational modelling of Vaccination

Agent-Based Modelling Laboratory, York University
Toronto, Canada

Applications are invited for a postdoctoral position in **Health Economics and Computational Modelling of Vaccination** at the Agent-Based Modelling Laboratory (ABM-Lab), York University. The successful candidate will be expected to play a major role in trans-disciplinary projects involving university-industry partnership. The research will apply computational techniques and simulations, data analysis and inference, and health economics to evaluate effectiveness and cost-effectiveness of vaccination for specific hospital-acquired infections. Under the supervision of Dr. Seyed Moghadas, the successful applicant will work collaboratively with the industrial partner and other members of the research team in this project.

Applicants should have significant practical experience for conducting cost-effectiveness, analyzing data and simulation results, and performing statistical inference. The successful candidate will have excellent English language communication skills (both written and verbal). Previous experience working in an interdisciplinary research environment, and writing scientific articles, would be an asset. The 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 project (e.g., computational epidemiology, health economics, applied mathematics or computer science, disease modelling and simulations). The initial appointment will be for one year beginning September 2017 or soon after (but no later than November 1, 2017). Extension of the appointment for the second year is possible, but subject to satisfactory performance during the first year. The salary will be commensurate with the experience of the candidate in the range of \$38,000 to \$45,000 CDN (including benefits).

Review of applications will begin immediately, and continue until the position is filled. Applicants must submit a cover letter, curriculum vitae along with complete contact information, copies of 2 recent publications (if applicable), a summary (250 words max) of research experience and its relevance to the objectives of this position, and arrange for two letters of recommendation to be sent directly to abmlab@yorku.ca. We appreciate receiving applications; however, only selected applicants will be contacted. Incomplete applications will not be considered.