

Location: Department of Mathematics and Statistics, Dalhousie University,  
Halifax, NS, Canada

Duration: 1 year (renewable depending on availability of funding and satisfactory performance)

Deadline: Until filled

Start date: Immediately (negotiable)

We are seeking a postdoctoral fellow who will work with Drs. Lam Ho and Edward Susko to develop statistical methods for stochastic models of infectious disease epidemics. The project will primarily focus on stochastic compartmental models and their applications in phylodynamics. It is part of a larger collaborative effort involving a network of biostatisticians across Canada as part of the new NSERC Emerging Infectious Diseases Modelling Initiative. A fundamental challenge for stochastic compartmental models is that the likelihood function is intractable. Our goal is to develop efficient methods for making inferences under these models.

Requirements:

- PhD in statistics or related fields.
- Good communication skills in English.
- Strong background in stochastic models and statistical inference.
- Expertise in R and C/C++ is highly desirable.

We offer:

- Salary: 50,000 CAD/year and benefits.
- No teaching duties are involved.

Application: Send your CV and 2 reference contacts to Drs. Lam Ho ([Lam.Ho@dal.ca](mailto:Lam.Ho@dal.ca)) and Edward Susko ([Edward.Susko@dal.ca](mailto:Edward.Susko@dal.ca)).

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