

Job: Postdoctoral Scholarship in Infectious Disease Modelling

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<http://www.biometricsociety.net/2015/09/26/job-postdoctoral-scholarship-in-infectious-disease-modelling/>

Funding is available for a postdoctoral fellowship position in the area of the computational & statistical modelling of infectious disease transmission using individual-level models with Dr. Rob Deardon at the University of Calgary.

The successful candidate will be required to:

1. Develop methodology for the analysis of infectious disease data; 2. Produce R packages to implement pre-existing and newly developed methodology for the analysis of infectious disease data; 3. Work in a collaborative effort with both statisticians working in Dr.

Deardon's group, and epidemiologists in public health and/or the veterinary sciences; 4. Write papers and publish in scientific venues (i.e. conferences, journals).

The chosen candidate will have excellent computational and analytical skills and at least a strong statistical background. The chosen candidate must have a PhD in statistics, computer science, or a related subject.

Experience in one or more of the following areas is also desirable, though not essential:

Bayesian analysis; computational techniques such as MCMC, approximate Bayesian computation, emulation (e.g. Gaussian process based) and/or machine learning tools; infectious disease modelling (especially individual-level models); producing R packages/wrappers; faster, lower-level languages such as C or Fortran.

The funding available is for two years in the first instance and will provide for a stipend of CDN \$50,000, as well as funds for computer equipment, travel to conferences and workshops, etc.. The chosen candidate will be encouraged (and helped) to apply for funding to extend this position.

The University of Calgary is a research-intensive, comprehensive university that supports innovation in research, education and service to the community.

Calgary is a vibrant, multicultural city with a population of 1,200,000. It is located near the Rocky Mountains, Banff National Park and Lake Louise and offers an enormous opportunity for outdoor activities both in winter and summer.

Further details about working as a Postdoctoral Scholar at the University of Calgary, including benefits, can be found at <http://www.ucalgary.ca/research/postdoc>.

To apply, please send a cover letter and academic CV to Dr. Rob Deardon (robert.deardon@ucalgary.ca), if possible with 1-2 academic works representative of your past research. Reviewing of applications will begin in early/mid October. The position is to begin late 2015 or early 2016.

Dr Rob Deardon

Associate Professor, Biostatistics, University of Calgary Department of Production Animal Health,
Faculty of Veterinary Medicine Department of Mathematics & Statistics, Faculty of Science

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