

## **Contract for a computer programmer to modify an epidemiological model**

We seek a computer programmer that is familiar with the C family of languages (c, c++, java, or c#) and .NET to modify an existing program. The program is a spatially explicit stochastic individual based epidemiological model that is used to simulate rabies disease dynamics, fox population dynamics and rabies control strategies. The contractor will work with researchers located in Saint-Hyacinthe from the Faculty of Veterinary Medicine at the University of Montreal and the Public Health Agency of Canada. As specified by the researchers, tasks will include updating the program to simulate more complex animal movement behaviour, temporally variable host habitat conditions and adapting a Windows form user-interface to accommodate changes to input parameters. Experience in object-oriented programming, development of stochastic and spatially explicit simulations, and ecology and/or epidemiology would be an asset. The contractor will be expected to be available for weekly to monthly teleconferencing meetings. The contract will require at least 6 weeks of working time, and is expected to be extended to continue model updates, if we are satisfied with the results and our working relationship.

Interested applicants should email a cover letter and resume, by September 30<sup>th</sup>, 2017 to:

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