The University of Vermont
COLLEGE OF AGRICULTURE AND LIFE SCIENCES
DEPARTMENT OF ANIMAL AND VETERINARY SCIENCES

June, 2022

Postdoctoral Associate Position Open in
Epidemiology and Complex Systems

An interdisciplinary project at the University of Vermont seeks a postdoctoral associate to lead the development of an agent-based model to represent biosecurity behaviors and disease spread on a national scale. This position is funded by a grant through the Ecology and Evolution of Infectious Diseases program of the National Science Foundation (NSF) and U.S. Department of Agriculture (USDA). The project, "Predicting Livestock Disease Transmission Dynamics under Alternate Biosecurity Risk Management Interventions and Behavioral Responses of Livestock Producers," is led by Asim Zia, Professor of Public Policy and Computer Science and Co-Director of the Social Ecological Gaming and Simulation Laboratory. The postdoc will work with the research team to integrate behavioral information with an existing animal disease spread model.

The successful applicant is expected to hold a Ph.D. at the time of appointment in a relevant field and demonstrate academic excellence as evidenced through publications, conference presentations, and collaborative engagement. Additional qualifications, compensation, benefits, and instructions for applying are detailed below.

Qualifications: Applicants with strong quantitative backgrounds and interests in veterinary epidemiology or public health are particularly encouraged to apply. Previous experience with the InterSpread Plus model would be an asset, but is not required. The successful candidate should be proficient in at least one programming language (C++, Java, and/or Python being most desirable). The desired (but not absolutely required) start date is August 1, 2022.

Funding: The minimum salary will be between $53,760 and $54,540, depending on experience. In addition, there are a number of generous benefits associated with the position. The project also supports a limited amount of professional development, travel, and publication costs associated with the project. The position is funded for two years.

Application process: To apply for this position please submit:

- A cover letter that details your experience and interest in the post-doctoral position.
- A full Curriculum Vitae (CV).
- Contact information (name, address, phone number, and email addresses) for three references.

In order to be fully considered for the position, applications should be received by June 29, 2022.

Applications should be sent to julie.m.smith@uvm.edu with the subject line "EEID Post-doc." Informal inquiries are also welcome at the same email or Laurent.Hebert-Dufresne@uvm.edu.

Location: The University of Vermont (or UVM) is located in Burlington, Vermont, on the shores of Lake Champlain, nestled between the Adirondack and Green Mountains. UVM is a comprehensive public university with a combined enrollment of 13,000 undergraduate, graduate, and medical students. UVM has received kudos as a "Top Public University" according to U.S. News and World Report, a Princeton Review "Top University and Top 50 Green University," and one of the Northeast's "Best Colleges for LGBTQ Students." Burlington also has been rated Outside's "Best Town Ever."

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any category legally protected by federal or state law.

The University of Vermont and State Agricultural College is committed to a policy of equal employment opportunity and to a program of affirmative action in order to fulfill that policy. For more information on this policy, please refer to the [Equal Employment Opportunity/Affirmative Action Policy Statement](#) web page.