David L Nieland

Subject: Postdoc Position in Epidemiology at Cornell University

A postdoc position is available in the laboratory of Dr. Renata Ivanek in the Department of Population Medicine and Diagnostic Sciences at Cornell University. The successful candidate will lead one of the ongoing or new research directions in the lab that include intervention trials and mathematical modeling in pre-harvest production of fresh produce and finishing cattle, the evolutionary ecology of infectious agents, epidemiology of antibiotic resistance and social epidemiology. The successful candidate will be expected to contribute to proposal writing, preparing manuscripts, and to participate in mentoring of junior members of Dr. Ivanek's laboratory. Participation in formal classroom teaching is not expected but possible for candidates with strong interest in teaching. The successful candidate must be able to work independently and as an effective member of Dr. Ivanek's multidisciplinary collaborative team.

The preferred candidate will have (i) a PhD degree in a quantitatively oriented field such as epidemiology, ecology or applied mathematics, (ii) robust research experience in epidemiology and/or mathematical modeling of infectious/foodborne pathogens, and (iii) good track record of publications and strong organizational, written, and oral communication skills. A Doctor of Veterinary Medicine degree (DVM or equivalent) or Doctor of Medicine degree (MD) is desired but not required.

Review of applications will begin immediately and the position is available as soon as a qualified applicant is identified. Application materials consist of a cover letter, CV, contact details of three referees, and a brief statement of research interests in epidemiology and career goals. They should be e-mailed to Dr. Ivanek (ri25@cornell.edu) as a single PDF file and with "Ivanek: Open Epi Positions" written in the Subject line.
Additional information may be requested from shortlisted applicants.

Dr. Ivanek's research is in the epidemiology of infectious and foodborne diseases with the purpose of identifying new and improved approaches to protect 'One Health'. Currently, the particular interest is in pathogens that transmit through contaminated environments, such as surfaces, fomites, food or water (e.g., Avian Influenza viruses, Escherichia coli O157:H7, Salmonella, Listeria monocytogenes, and Vibrio cholerae). Dr. Ivanek's computer laboratory uses a variety of epidemiologic approaches, including mathematical modeling of infectious diseases, spatial analyses, statistical modeling, risk assessments, and design and conduct of observational studies and controlled trials. Ongoing multidisciplinary collaborations integrate these epidemiologic approaches with other disciplines, including microbiology, molecular biology, horticulture, statistics, economy, geography and social science.

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