

Assistant/Associate/Full Professor - Global Food Ventures
Initiative
University of Minnesota-Twin Cities

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Job Title	Assistant/Associate/Full Professor - Global Food Ventures Initiative
Department	Division of Environmental Health Sciences http://www.sph.umn.edu/academics/divisions/enhs/
Institution	University of Minnesota-Twin Cities Minneapolis, Minnesota
Date Posted	Feb. 13, 2018
Application Deadline	Open Until Filled
Position Start Date	Summer 2018
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Public Health/Biostatistics/Epidemiology Environmental/Occupational Health
Job Website	https://z.umn.edu/3239
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Job Description

The University of Minnesota, School of Public Health (SPH), Division of Environmental Health Sciences (EnHS) is seeking to fill a 100% Assistant/Associate/Full Professor (tenure/tenure track) position as part of the University of Minnesota Global Food Ventures (GFV) initiative. The GFV is a public-private partnership committed to answering the global imperative of safe, nutritious and affordable food, through the application of innovative discovery, and next generation workforce development. This position will contribute to the GFV research program related to Food Safety

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Innovations and leverage existing and proposed GFV investments in informatics. The position will focus on data science related to food system supply chain safety, security and public health preparedness, or will focus on microbiology at the interface of food and the environment including antimicrobial resistance.

The position in EnHS is part of joint hires with the College of Veterinary Medicine (CVM) (LINK to ADD) in which the CVM is seeking to fill positions in feed and food safety, defense, and supply chain resiliency, and pre-harvest food safety molecular epidemiology. These positions will directly leverage opportunities to develop collaborative research related to the missions of MN Integrated Food Safety Centers of Excellence (COE), the Food Protection and Defense Institute (FPDI), the Center for Animal Health and Food Safety (CAHFS), and the Center for Infectious Disease Research and Policy (CIDRAP). Key areas of interest for these interdisciplinary hires include attribution of foodborne illnesses (a key outcome of food safety risk assessment), antimicrobial resistance associated with food and waterborne disease transmission (environmental microbiology), and the novel data science applications to improve public health preparedness and response to challenges to the safety, security, and resiliency of the food system across the supply chain.

These positions will build on the existing strengths of the EnHS division and the SPH with internationally-recognized programs in foodborne disease and emerging infections research, prevention, and policy development. The EnHS division has programs with collaborations across the University and with state, federal and international public health agencies. Changing demographics, methods of food production and consumption and the globalization of our food systems create new and emerging food safety challenges. This includes the impact of climate change. We are seeking to enhance our ability to address these emerging public health threats through innovative research, teaching, and public engagement.

One particular strength of the SPH is the strong relationship with the Minnesota Department of Health and the Centers for Disease Control and Prevention. Through our partnerships we have been leaders in public health surveillance and understanding foodborne transmission pathways. Currently, public health surveillance for food and waterborne disease is transitioning from culture-based methods, to advanced molecular detection and whole genome sequencing. Application of these methods, creates novel opportunities for Health Department-Academic partnerships to examine the application of these tools in identifying outbreaks and in understanding the dynamics of transmission of food-borne pathogens, antibiotic resistant bacteria and their associated genetic elements.

REQUIRED QUALIFICATIONS:

PhD or equivalent degree with advanced knowledge of public health applied data science methods (Big Data) as applied to food safety and security and public health preparedness or advanced

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knowledge of environmental movement of antimicrobial resistance elements. Successful applicants would be expected to develop an independent and sustainable scholarly research program, teach in the classroom and mentor graduate students, and participate in outreach and service. Demonstrated experience in preparing research grants, publishing in quality peer-reviewed journals, and presentations in relevant professional meetings is necessary. Candidates at the associate professor level are expected to demonstrate sustained success in funded scholarly activities. Candidates at the full professor level will also be expected to have a substantial currently funded research portfolio.

We are seeking outstanding candidates with strong collaborative and interpersonal skills, along with effective oral and written communication skills that are essential for the purpose of: 1) working effectively in a trans-disciplinary team environment; 2) developing and submitting timely, research proposals to obtain extramural funding for cutting-edge research; 3) conducting and managing research studies; 4) publishing articles in professional journals; 5) conveying study results and recommendations to stakeholders and decision makers; 6) developing and presenting relevant courses and seminars.

Successful candidates are expected to participate in ongoing educational training programs related to environmental health sciences at the University of Minnesota. This includes work with multiple colleges and centers within the University (i.e. CIDRAP; CAHFS; FPGI; School of Medicine; College of Science and Engineering; College of Food, Agricultural and Natural Resource Science; and the Institute on the Environment).

PREFERRED QUALIFICATIONS:

Based on the specific focus of the candidate's training and research interests, a demonstrated expertise in epidemiology, public health surveillance, applied population health science, mathematical modeling and systems research, environmental factors and adaptations to climate change that may affect the distribution and transmission of foodborne diseases; or advanced knowledge and demonstrated experience in the application of environmental sampling techniques and laboratory methods to detect and monitor resistance elements or pathogenic agents in the environment would be preferred. An individual with an understanding of food supply chain dynamics, food safety, risk analysis, and public health preparedness is also preferred.

EEO/AA Policy

The University of Minnesota shall provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Human Resources
Division of Environmental Health Sciences
University of Minnesota-Twin Cities
420 Delaware St SE
Minneapolis, MN 55455

Phone Number 612-626-9266

Contact E-mail <https://z.umn.edu/3239>