

**UNIVERSITY OF MARYLAND  
COLLEGE OF AGRICULTURE AND NATURAL RESOURCES  
JOINT INSTITUTE FOR FOOD SAFETY AND APPLIED NUTRITION (JIFSAN)  
COLLEGE PARK, MARYLAND**

**POSITION ANNOUNCEMENT**

**Title:** *Post-Doctoral Associate*

**Position Number:** 124150

**Category Status:** *Faculty, Non-tenured, continuing and term contract, 1.0 FTE*

**Unit:** *Joint Institute for Food Safety and Applied Nutrition*

**Position Summary/Purpose of Position:**

JIFSAN, a joint program of the University of Maryland and the U.S. FDA, is seeking a Post-Doctoral Associate to collaborate with CFSAN FDA Scientists to continue efforts in genomic analysis of bacterial pathogens associated with foodborne outbreaks.

**Responsibilities:**

- Collaborating with established and local and international working groups on expanding and standardizing public metadata for foodborne pathogens (FDA's GenomeTrakr database).
- Performing rigorous, innovative, "big data" analyses across the public, genomic database for *Salmonella*, utilizing improved metadata to test hypotheses surrounding source attribution, risk assessment, functional genomics, or others specific to the candidates' research interest.
- Communicating research findings at scientific meetings and in peer-reviewed manuscripts.

**Qualifications:**

- Ph.D. in Biology, Computational Biology, or related field.
- Research experience a comparative genomic, phylogenetic, or bioinformatics "big data" project.
- Fluency in modern bioinformatics tools, e.g. navigating a Linux environment, running analyses on an HPC, and writing analytical pipelines using Perl, Python, bash scripting, R, or other relevant scripting language.
- Strong oral and written communication skills.

**Preferences:**

- Research focus in microbiology or foodborne pathogens.
- Familiarity with using ontologies to structure metadata, gene names, or gene networks.

**Salary & Benefits:**

Salary will be commensurate with experience. The University of Maryland offers an extensive benefits package.

**Application:**

All candidates must apply online at <https://ejobs.umd.edu> . A complete application packet includes a cover letter, CV, unofficial academic transcripts, and three (3) professional references, including name, mailing address, telephone number, and e-mail address.

*The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, political affiliation, and gender identity or expression. Minorities and women are encouraged to apply.*