Opportunity Title: Mathematical Statistician Fellowship
Opportunity Reference Code: CDC-DFWED-2018-0174

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-DFWED-2018-0174

How to Apply A complete application consists of:

- An application
- Transcripts – Click here for detailed information about acceptable transcripts
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to CDCrpp@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 3/14/2019 12:00:00 AM Eastern Time Zone

Description An opportunity is available in the Division of Foodborne, Waterborne, and Environmental Diseases (DFWED) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The ORISE fellow will participate with a collaborative team of bioinformatics, epidemiologists and laboratory scientists.

The ORISE fellow may have the opportunity to train and to learn while involved in the following activities:

- Assisting leading statistical analysis of complex research projects involving both epidemiologic and laboratory data, participating in hypothesis generation, study design, statistical and mathematical model development and diagnostics, and interpretation and presentation of results.
- Supporting complex statistical advisory and assistance functions that involve unconventional or novel issues and being involved in the statistical work of other scientists in the Division.
- Support to Division branches on statistical projects, studies, and investigations that are new or significant departures from the relationships established in previous problems, studies, or investigations.
- Technical assistance to researchers and Epidemic Intelligence Service (EIS) Officers, such as providing assistance with statistical software and writing statistical software code to meet particular needs.
- Supporting the team that is involved in the internal clearance process by providing help to the team that is reviewing statistical work presented in papers written by DFWED authors and submitted for publication.
- Assisting in preparing presentations for professional meetings and participating in the writing of reports and published manuscripts.
- Collaborating with other BIMO staff to coordinate the Biostatistics Seminar Series and preparing and presenting talks on various topics related to statistical methods and software.

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- Other activities in BIMO as needed, such as assisting in preparing presentations for internal statistics team meetings and assist with writing proposals for project funding.

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment is for one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC or the program administrator, and there are no fringe benefits paid.

Qualifications

Master's with 2+ year experience, or Ph.D. degree in: Biostatistics, Statistics, Mathematics or other related fields within the last five years.

o Knowledge of study design, including sample size and power calculations.

o Familiarity with statistical methods for the analysis of epidemiologic and laboratory data.

o Comfortable collaborating with scientists, including microbiologists and epidemiologists, on research projects.

o Excellent analytical and quantitative skills.

o Excellent oral and written communication skills.

o Necessary programming skills to conduct statistical analysis in R, SAS or other statistical or computational software.

o Knowledge of data visualization techniques, for example, techniques for displaying high-dimensional data.

Eligibility Requirements

- **Degree:** Master's Degree or Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Life Health and Medical Sciences** (2 👁)
  - **Mathematics and Statistics** (3 👁)