

**NATIONAL CENTER FOR ENVIRONMENTAL ASSESSMENT (NCEA)  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
INTERNSHIP PROGRAM  
Cincinnati, Ohio**

**Project # EPA-NCEA-2004-02**

**Project Description:** A research project is available through the Internship Program at the U.S. Environmental Protection Agency (EPA), National Center for Environmental Assessment (NCEA) in Cincinnati, Ohio. A major goal of NCEA's microbial risk assessment initiative is to provide state-of-the-art quantitative risk assessments of environmental-source (e.g., drinking water, sewage sludge) pathogens. Because microbial risk assessment is an emerging science, approaches and methods are in the developmental stages and remain in flux. The intent is to develop essential skills and methodological approaches by producing a series of specific pathogen hazard (i.e. health effects) reviews. These reviews will require evaluation of data extracted from the open literature and interpretation of epidemiological and biological issues in order to synthesize data sets appropriate for dose-response modeling.

**Specific Tasks:** The intern will conduct literature searches, review study designs, and compile published methods and results as needed by the microbial risk assessment team for production of pathogen hazard reviews.

**Expected Results:** Extensive literature and data reviews of both epidemiological and laboratory studies of several specific pathogens of interest to NCEA.

**Intern Qualifications and Skills:** The intern should be a current or recent graduate student with a sound background in infectious disease microbiology, epidemiology, and biostatistics, as well as excellent analytical and writing skills. U.S. citizenship or lawful permanent resident status is preferred. The program is open to all qualified individuals without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran.

**Stipend and Tenure:** The appointment will initially be for 12 weeks full-time during the summer of 2004 and may be renewed depending on funding. The stipend will be \$560 per week.

The EPA-NCEA contact person for this project is Mary Rothermich, [Rothermich.Mary@epa.gov](mailto:Rothermich.Mary@epa.gov)

The Internship Program for EPA-NCEA is administered by the Oak Ridge Institute for Science and Education. *Please reference Project # EPA-NCEA-2004-02 when calling or writing for information.* For additional information and application materials contact: Internship Program/EPA-NCEA, Attn: Betty Bowling, Science and Engineering Education, MS 36, Oak Ridge Institute for Science and Education, P.O. Box 117, Oak Ridge, Tennessee 37831-0117, Phone: (865) 576-8503 FAX: (865) 241-5219 e-mail: [bowlingb@ornl.gov](mailto:bowlingb@ornl.gov).

An application can be found at [www.ornl.gov/orise/edu/EPA/app-gugrgpd.pdf](http://www.ornl.gov/orise/edu/EPA/app-gugrgpd.pdf)