

**Research Participation Program
U.S. Environmental Protection Agency
Office of Research and Development
National Center for Environmental Assessment
Washington, DC**

Project # EPA-ORD/NCEA-DC-2009-01

Faculty Research Project

A research project is available through the Research Participation Program at the U.S. Environmental Protection Agency (EPA), National Center for Environmental Assessment (NCEA) in Washington, DC.

Project Description: The appointment will be with the Quantitative Risk Methods Group (QRMG), Washington Division. The participant for this training opportunity will have extensive experience outside EPA in statistics and dose response assessment methodology and will learn and contribute to EPA approaches in these fields.

QRMG is a multidisciplinary science group focused on improving methods for and applications of quantitative assessments in environmental and human health risk assessment. The group provides a central focus with NCEA for application, guidance, and research on state of the art approaches for quantitative assessment of risks to human health. QRMG plays a leadership role in addressing how to perform and evaluate complex quantitative assessments.

The participant will have the opportunity to be part of a team of EPA scientists looking at current and concretely foreseeable technologies to strengthen practice in quantitative human health risk assessment. Areas of focus can include both noncancer (now commonly RfD based) and cancer (commonly slope factor based) risk methodologies with examination of follow-on, next generation, approaches in these fields. Analysis of data from laboratory studies of mechanisms of toxicity, rodent toxicity/cancer bioassays, and epidemiological investigations may be addressed.

The participant will have an opportunity to study how quantitative risk assessment process works within NCEA and to contribute approaches and knowledge drawn from experiences in other organizations and applications and thus facilitate efforts to advance the assessment field.

Qualifications and Skills: Applicants must be a faculty member at an accredited U.S. college or university. Applicants should have advanced training and experience in a science field applicable to quantitative risk assessment (e.g., mathematics or statistics). The applicant should also have a strong documented background in making contributions to quantitative risk assessment methods and applications with particular reference to the science issues mentioned above. This appointment may be served at either an EPA facility or an appropriate off-site location.

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. U.S. citizenship or lawful permanent resident status is preferred (but can also hold an appropriate visa status, however, an H1B visa is not appropriate).

The participant will be selected on the basis of academic records, recommendations, research interests, compatibility of background and interests with research programs and projects at NCEA/Washington Division-QRMG, and the availability of funds, staff, programs, and equipment.

The appointment may be on a part time basis and may be renewed upon recommendation of NCEA/Washington Division-QRMG and subject to availability of funds. The participant will receive a monthly stipend based on the university salary. The participant must show proof of health and medical insurance. **The participant does not become an EPA employee.**

The Research Participation Program for EPA is administered by the Oak Ridge Institute for Science and Education. ***Please reference Project # EPA-ORD/NCEA-DC-2009-01 when calling or writing for information.*** For additional information and application materials contact: Research Participation Program/EPA-ORD/NCEA, Attn: Betty Bowling, 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: betty.bowling@ornl.gov.

An application can be found at www.ornl.gov/orise/edu/EPA/app-gugrgpd.pdf