

**Research Participation Program
U.S. Environmental Protection Agency
Office of Research and Development
National Center for Environmental Assessment
Research Triangle Park, North Carolina**

Project #: EPA-ORD/NCEA-RTP-2009-03

**Assessment of Health and Environmental Effects from
Exposure to Criteria Air Pollutants and IRIS Chemicals**

A postdoctoral research project is currently available at the U.S. Environmental Protection Agency's (EPA) National Center for Environmental Assessment (NCEA) in Research Triangle Park (RTP), North Carolina. Between five and ten appointments will be offered.

Project Description: NCEA is responsible for scientific assessment activities related to the effects of the criteria air pollutants (particulate matter, ozone, sulfur oxides, nitrogen oxides, carbon monoxide and lead) and chemical assessments in the Integrated Risk Information System (IRIS) program. Such assessment activities are very broad and typically have significant implications for national and international environmental policy development and implementation.

This is an interdisciplinary project that will entail postdoctoral researchers in a range of scientific disciplines, as outlined below, to contribute to the assessment of scientific information. Participants will be mentored by scientific staff at NCEA-RTP on projects related to the evaluation of evidence on the health and environmental effects of criteria air pollutants or chemical pollutants.

Specific Tasks: The participant will be involved in the review and evaluation of currently available scientific information for the purpose of developing integrated science assessment documents and communicating scientific information to other EPA program offices. The participant may be engaged in one or more of the following activities:

- critically reviewing scientific literature on the criteria air pollutants within specific disciplines (e.g., epidemiology, toxicology, human exposure, ecology)
- participating in evaluation of complex questions regarding interpretation of scientific information
- conducting new analyses of scientific data to support the development of science assessments
- writing sections of integrated science assessment documents for Pb, O₃ or other criteria air pollutants or chemical pollutants

Qualifications and Skills: Applicants must have received a doctoral degree in epidemiology, toxicology, human exposure assessment, biostatistics, ecology, environmental chemistry or physics, or biology (including physiology, biochemistry, etc.) within five years of the desired

starting date. The ability to review bodies of literature and develop sound conclusions based on information from multiple sources is highly desirable.

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 does not become an EPA employee.**

Length of Appointment: These appointments may be part- or full-time for one year and may be renewed for up to two additional years upon recommendation of NCEA and subject to availability of funds. The project will largely be conducted at the NCEA offices in Research Triangle Park, North Carolina. The participant will receive a monthly stipend prorated to the actual number of hours of participation. The participant must show proof of health and medical insurance. Funding may be made available to reimburse the participant's travel expenses to present the results of his/her research at scientific conferences. No funding will be made available to cover travel costs for interviews, relocation costs, costs of tuition/school fees, or a participant's health insurance.

The Research Participation Program for EPA is administered by the Oak Ridge Institute for Science and Education. ***Please reference Project # EPA-ORD/NCEA-RTP-2009-03 when calling or writing for information.*** For additional information and application materials contact: Research Participation Program/EPA, 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.