

**Research Participation Program
U.S. Environmental Protection Agency
Office of Research and Development
National Risk Management Research Laboratory
Research Triangle Park, North Carolina**

Project No #: EPA-ORD/NRMRL-APPCD-2009-04

A postdoctoral research training opportunity is available at the U.S. Environmental Protection Agency (EPA), Office of Research and Development (ORD), National Risk Management Research Laboratory (NRMRL). The appointment is with the Air Pollution Prevention & Control Division (APPCD) in Research Triangle Park (RTP), North Carolina.

Project Description: Investigators from the Air Pollution Technology Branch (APTB) are engaged in research to develop and test innovative technologies for control of multiple air pollutants from stationary sources (especially from coal combustion). The successful applicant will have the opportunity to propose, develop, and conduct research in the area of environmental nanotechnology for control of air pollution emissions. The EPA/RTP laboratories are well equipped for both fundamental and practical research involving fossil fuel combustion.

The participant will be mentored by Nick Hutson of APTB. The specific research project will be defined by the successful candidate and the EPA mentor. Generally, the research will involve a project or projects on the use of nanotechnology for control of mercury and other air pollutants (including CO₂) resulting from combustion of fossil fuels (especially coal).

The participant will be strongly encouraged to publish the results of his/her research in peer review journals and present data at national and international conferences.

Qualifications and Skills: Applicants should have received a doctoral degree in chemical engineering, environmental engineering, chemistry or a closely related field within five years of the desired starting date, or completion of all requirements for the degree should be expected prior to the starting date. Applicants should have a strong background in basic bench- or pilot-scale experimental research. The ideal applicant will have experience in the field of environmental nanotechnology – that is, the application of nanotechnology for environmental purposes. Applicants with experience in sorbent development and testing are also 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 will be selected based on academic records, recommendations, research interests, compatibility of background and interests with research programs and projects, and the availability of funds, staff, programs, and equipment.

This appointment is full time at NRMRL/APPCD in Research Triangle Park, North Carolina, for one year and may be renewed for up to two additional years upon recommendation of NRMRL/APPCD and subject to availability of funds.

The participant will receive a monthly stipend up to \$5,808. The participant must show proof of health and medical insurance. **The participant does not become an EPA employee.** 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 Postdoctoral Research Program for EPA is administered by the Oak Ridge Institute for Science and Education. ***Please reference Project # EPA-ORD/NRMRL-APPCD-2009-04 when calling or writing for information.*** For additional information and application materials contact: Postdoctoral Research Program/EPA, Attn: Betty Bowling, 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 or e-mail: betty.bowling@ornl.gov.

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