



**RESEARCH PARTICIPATION PROGRAM
NAVAL HEALTH RESEARCH CENTER (NHRC)
Wright-Patterson AFB, Ohio**

Toxicology/Chemistry Project at Dayton, OH

Project #NHRC -LC-2009-280

The Navy Health Research Center Detachment Environmental Health Effects Laboratory (NHRC DET EHE Lab) is a member of the Tri-Service (Navy, Air Force, and Army) Toxicology Research facility located at the Wright-Patterson AFB, Ohio. The Detachment has the ability to leverage Navy, Air Force and Army resources in performance of its mission. The primary focus of the NHRC is on environmental and occupational exposures, particularly in deployed environments, in order to identify toxic effects before health and operational performance is compromised in the war fighter. Through the ORISE program, the NHRC provides opportunities to participate in on-going applied research and development projects in the areas of Environmental Health, Engineering, Biological Sciences, Public Health, Occupational and Environmental Health, Industrial Hygiene, Environmental Sanitation and Hygiene, and Laboratory Services.

PROJECT DETAILS

An appointment is available at The Naval Health Research Center, Environmental Health Effects Laboratory (NHRC/EHEL) in Dayton, OH.

This appointment includes, but is not limited to, the following:

- Utilize laboratory engineering skills to develop, design, and set-up lab equipment as needed for specific inhalation exposure studies.
- Develop analytical techniques for identifying toxicants and/or aerosols.
- Design and build toxicant generation systems, establish sample timing sequences, write standard operating procedures, and collect, record, analyze, and interpret test data.
- Comprehend all aspects of system design, including: system plumbing, air and vacuum system operations, instrument calibration, timer set-up, and computer interfaces.
- Oversee experiments to ensure proper operation of the system and maintain flow rates and chamber pressures.
- Experience in a lab environment, with animal research, and with hyperbaric oxygen is a plus.

ELIGIBILITY REQUIREMENTS

Applicants should have received a master's degree in Chemistry, Toxicology, or related discipline within three years of the desired starting date, or completion of all requirements for the degree should be expected on or about the starting date. Other applicants will be considered on a case-by-case basis. The program is open to all qualified U.S. citizens without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran.

The participants will be selected based on academic records, recommendations, applied research interests and compatibility of background with applied research programs and projects at NHRC and/or the host Installation.

The initial appointment is for **one year** and may be renewed for up to two additional years based upon recommendation of NHRC and subject to availability of funds. The appointment is **full time** at Dayton, OH.

The participant will receive a monthly stipend. The stipend rate is determined based upon level of education, training, and experience. Inbound travel and moving expenses are reimbursed according to established policies. Travel and other costs will also be reimbursed for training related to the project and approved by ORISE and the host installation.



**RESEARCH PARTICIPATION PROGRAM
NAVAL HEALTH RESEARCH CENTER (NHRC)
Wright-Patterson AFB, Ohio**

The participant must show proof of health and medical insurance. Health plans are available through the Oak Ridge Institute for Science and Education for Postgraduate Internship participants. The appointment is full time at the host installation.

APPLICATION and DEADLINE

Applications are accepted and processed on a continuing basis. The Research Participation Program for NHRC is administered by the Oak Ridge Institute for Science and Education. Please reference **Project #NHRC -LC-2009-280** when calling, emailing, or writing for information. For immediate consideration applicants may forward resumes or vitas to the email address listed below. Additional information and application material can be found on the following website www.orau.org/Maryland.