

Division of Atmospheric Sciences

The Division of Atmospheric Sciences (DAS) of the Desert Research Institute (DRI) in Reno, Nevada is seeking a research professor at the assistant or associate level to conduct research on trace organic contaminants in the environment. This faculty member is expected to expand the breadth and scope of the research conducted by the Organic Analytical Laboratory (OAL). OAL is currently equipped with state-of-the-art instrumentation providing a full range of analytical capabilities for identifying and quantifying trace organic contaminants in ambient air, including particulate, volatile and semi-volatile organic compounds and hazardous air pollutants, and analysis of water soluble polar compounds and oligomeric constituents of organic aerosols and biofuel feedstocks. In addition, OAL is staffed with an experienced team of technicians and researchers. During its more than twenty-year history, OAL has participated in many of the major air quality studies related to (a) chemical characterization of source emissions, fuels, and photooxidation products of organic compounds; (b) ambient apportionment of volatile organic compounds and carbonaceous aerosols; (c) evaluations of emissions inventories and air quality modeling of ozone and PM; and (d) pollutant exposure assessments. This faculty member is expected to lead proposal development efforts, field and laboratory work, and provide staff supervision. While air quality is the focus of past and current research, the range of environmental issues addressed by OAL is expected to expand over time.

DRI conducts cutting-edge research in air, land, life, and water around the world. As part of a non-teaching, research- and product-driven organization, DRI's faculty members are entrepreneurial, and responsible for their own salaries from external grants and contracts. The resources and capabilities of OAL combined with other DRI laboratories and many collaborating faculty and student assistants provide a unique opportunity for a motivated individual seeking a productive career in environmental research.

Interested applicants are directed to the DRI website (<http://www.dri.edu>) to find additional information about DRI's research programs in air quality and specific capabilities of OAL (<http://www.dri.edu/oal-lab-home>) and other DAS laboratories.

Applicants Requirements:

- Ph.D. in chemistry, atmospheric sciences, aerosol sciences, environmental engineering or equivalent field from an accredited institution.
- Broad understanding of environmental sciences and current issues.
- Broad knowledge of sampling methods and analytical measurements and associated data validation and analysis techniques.
- Strong interpersonal and collaborative skills.
- Demonstrated success in achieving research project or program funding by writing successful proposals for research grants and contracts.
- Knowledge and experience with research grant and contracting processes.
- Excellent written and verbal communication skills as demonstrated by a record of publications, peer-reviewed journal articles, presentations at professional meetings, and intellectual productivity appropriate for the candidate's professional rank.
- Evidence of increasing professional recognition at the regional, national and/or international levels.

Preferred Qualifications:

- Strong background in chemistry with emphasis in organic and analytical chemistry and analytical methods' development.
- Direct experience in the soft-money research environment.
- Supervisory experience.
- Experience in collaborative, multi-investigator studies.
- Demonstrated organizational, budgetary, program management and planning skills.

Compensation and Benefits:

DRI's salaries are competitive and commensurate with education and experience. DRI provides benefits that include:

- Medical, dental, vision, life and long-term disability insurance
- 12.25% mandatory retirement contribution with matching by DRI
- 16 hours of paid annual and sick leave per month
- 11 paid holidays
- Tuition reduction at NSHE institutions for employee, spouse, domestic partners and dependents
- Relocation allowance
- No state income tax; no social security participation

For a complete description, required qualifications, & how to apply online, visit our website at <http://www.jobs.dri.edu>

Review of applications will begin on April 29, 2013 and continue until semi-finalists are selected