AIR QUALITY RESEARCH CENTER IS HIRING!

We are seeking two

POSTDOCTORAL RESEARCHERS

to join our team!

The postdoctoral researchers will participate in projects supporting the IMPROVE and CSN particulate monitoring programs. One project focusses on carbon measurements using the thermal optical analysis method, and the second project focusses on developing reference materials for elemental analyses using X-ray fluorescence. We are a dynamic group with PM speciation data from over 300 sites to explore.

FOR MORE INFORMATION:

Nicole P. Hyslop

nmhyslop@ucdavis.edu

January 2019

The Air Quality Research Center at the University of California, Davis is recruiting two talented postdoctoral researchers to support research activities on the measurement of elements and carbon in particulate matter samples. We are looking for two dedicated individuals with strong scientific backgrounds, strong work ethics, clear communication skills, solid data analysis and graphing skills, and experience in at least one of the following areas:

1. Laboratory and/or field studies of atmospheric chemistry.
2. Aerosol formation experiments including wet chemistry skills necessary to research compounds to generate reference materials for particulate matter measurements.
3. Operation and data interpretation of analytical instrumentation, particularly x-ray fluorescence, inductively coupled mass spectrometry, and/or thermal optical OCEC analyzers.
4. Complex data analysis of large datasets for spatiotemporal trends.

Candidates should have completed a doctoral degree in Chemistry, Engineering, or a related field at the time of hire. Candidates with strong multidisciplinary skills covering more than one of the areas listed above are particularly encouraged to apply. Extremely well-qualified candidates with slightly different qualifications and/or research focus will be considered.

Other ***essential*** qualifications include scientific publications; excellent English-language writing skills; ability to meet deadlines, work well independently with minimal direction and with a team, ability to produce high-quality research outputs; good time management and recordkeeping.

Desirable qualifications include solid presentation skills.

The selected candidates will join a team working on the National Park Service Interagency Monitoring of Protected Visual Environments (IMPROVE) and Environmental Protection Agency Chemical Speciation Network (CSN) programs at the University of California, Davis. They will work with Krystyna Trzepla, Xiaolu Zhang, Jason Giacomo, Warren White, and Nicole Hyslop along with other researchers in the program. Other duties commensurate with the researcher's qualifications will be assigned.

The UC Davis Air Quality Research Center (AQRC) is an interdisciplinary Organized Research Unit (ORU). Its mission is to facilitate research on the scientific, engineering, health, social, and economic aspects of gaseous and particulate atmospheric pollutants. AQRC analyzes particulate matter samples for the United States National Park Service (NPS) Interagency Monitoring for Protected Visual Environments (IMPROVE) and the Environmental Protection Agency (EPA) Chemical Speciation Network (CSN). IMPROVE was established in 1985 to monitor visibility in the National Parks and Wilderness Areas, and AQRC operates over 150 air pollution sampling sites for IMPROVE, as well as analyzes samples, processes the analysis data, and delivers data to the NPS and EPA. CSN collects samples in an urban monitoring network with over 140 sites. For CSN, AQRC analyzes samples, processes the analysis data, and delivers data to the EPA.

Screening of applications will begin immediately, and recruitment will continue until the positions are filled. Interviews with applicants will be scheduled via phone or videoconference. We offer a competitive salary and generous benefits, including health insurance, retirement plan, vacation and sick leave, and support to a successful career in scientific research. The successful candidates will be encouraged to submit the output of their work to scientific conferences and professional meetings. Pending acceptance of the work, and funding availability, they will receive support for the attendance of these meetings.

The University of California, Davis is an Equal Opportunity/Affirmative Action employer, and applications from women and under-represented minorities are encouraged.

Applicants should submit a cover letter, curriculum vitae, copy of one selected publication and names/contact information of three references in a single PDF file to: nmhyslop@ucdavis.edu. Please format the file name as {lastname_initials}_AQRC_postdoc2019.pdf and include "Postdoc Search" in the subject line of the e-mail.