

## CIRES/CSD Research Associate

The Cooperative Institute for Research in Environmental Sciences (CIRES) is seeking an innovative research associate to participate in field measurements of aerosol composition. The candidate will perform experiments and analyze data to improve our understanding of atmospheric aerosol processes related to chemical transformations and aging, convective redistribution, cloud initiation, air quality, and global climate change (e.g., Froyd et al., *Atmos. Chem. Phys.*, 9, 4363–4385, 2009; Froyd et al., *Proc. Nat. Acad. Sci.*, 107, 21360–21365, 2010; Murphy et al., *J. Geophys. Res. Atmos.*, 111, D23S32, 2006). The candidate will be appointed as a CIRES Post Doctoral Associate and have a strong collaboration with the Cloud and Aerosol Processes group within the Chemical Sciences Division of the Earth System Research Laboratory of the National Oceanic and Atmospheric Administration (<http://www.esrl.noaa.gov/csd/>). The position will be renewable for up to two or three years.

### Duties

- Work within an existing group of researchers within NOAA/ESRL to perform field measurements of aerosol composition related to air quality and global climate change.
- Support the operation of instrumentation in aircraft and other field measurements at remote locations.
- Analyze and interpret measurements to improve our physical understanding of atmospheric aerosol processes.
- Prepare and present scientific findings in peer-review publications, scientific meetings, and workshops.

### Desired qualifications

- PhD (required) in chemistry, chemical-physics, physics, or related field.
- Experience with mass spectrometry.
- Experience with the design, construction, and operation of complex instrumentation.
- Experience in aerosol research.
- Experience with airborne measurements of atmospheric properties.
- Excellence in development and presentation of scientific results for meetings and for publication in scientific journals.
- Interest in working both independently and in a closely collaborative group.

For further information, contact Dr. Karl Froyd ([Karl.Froyd@noaa.gov](mailto:Karl.Froyd@noaa.gov)) and Dr. Ann Middlebrook ([Ann.M.Middlebrook@noaa.gov](mailto:Ann.M.Middlebrook@noaa.gov)).

### To Apply:

The position will be filled as a Research Associate at the University of Colorado at Boulder and will be eligible for employee benefits, including 22 days of vacation (for a 100% position) per year.

You must use [www.jobsatcu.com](http://www.jobsatcu.com) to formally apply for this position. Search for this position using job posting ID 815776

Or

[www.jobsatcu.com/applicants/Central?quickFind=67042](http://www.jobsatcu.com/applicants/Central?quickFind=67042)

Be prepared to upload a cover letter, your current resume/cv, proof of your degree (upload under Doc 1), and a letter of recommendation (upload under Doc 2)

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