

Opportunity Title: Development of Multi-Sensor Wildfire Smoke Observation and Analysis Capability

Opportunity Reference Code: 0082-NPP-NOV23-ARC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

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Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description NASA Ames Research Center is looking for a postdoctoral assistant with research interests in tropospheric composition or carbon cycle science to join our Trace Gas measurement group. The successful candidate will combine data from in situ (trace gases and/or particles) and remote sensing (Pandora, AERONET) instruments with satellite data for the study of aged wildfire smoke and other air quality events. We are developing a rooftop laboratory to augment operational remote sensors with existing in-situ ozone, CO₂/CH₄ (including isotopic species) and OCS and CO instrumentation; candidates with expertise in measurement network development are particularly encouraged to apply.

The ARC Trace Gas Group is enriched by the many experiences and perspectives that each individual brings to our group. We encourage applications from qualified candidates regardless of gender identity, background, race, religion, or sexual orientation. Development of secondary projects which foster collaborations with other researchers both at NASA Ames and externally is also encouraged.

Position Requirements:

- PhD in the physical or biological sciences, preferably Chemistry, Physics, Atmospheric, or Ecosystem Sciences, or a relevant Engineering discipline.
- Previous laboratory and/or field experience.
- Experience working with analytical instrumentation for atmospheric measurements.
- Experience combining multiple data sources into scientific analyses
- Ability to work as a member of a team on various projects.
- Good written and verbal communication skills.
- Occasional deployment travel may be necessary.

Additional Desired Qualifications:

- Experience with a variety of data analysis software packages
- Demonstrated success in collaborative environments

Unfortunately, applications from citizens from Designated Countries will not be accepted at this time, unless the applicant is a Lawful Permanent Resident of the United States. A complete list of Designated Countries can be found at: <http://oir.hq.nasa.gov/nasaecp/>.

Location:

Ames Research Center
Moffet Field, California



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Field of Science:Earth Science

Advisors:

Laura T. Iraci

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Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Eligibility Requirements

- **Degree:** Doctoral Degree.