

**Opportunity Title:** Clear Air Research Support

**Opportunity Reference Code:** EPA-NSSC-0007-22

**Organization** U.S. Environmental Protection Agency (EPA)

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**How to Apply** Click [HERE](#) to Apply

**Description** The EPA National Student Services Contract has an immediate opening for a part-time Clear Air Research Support position with the Office of Research and Development at the EPA facility in Research Triangle Park, NC.

The Office of Research and Development at the EPA supports high-quality research to improve the scientific basis for decisions on national environmental issues and help EPA achieve its environmental goals. Research is conducted in a broad range of environmental areas by scientists in EPA laboratories and at universities across the country.

#### **What the EPA project is about**

Within ORD, the Center for Environmental Measurement & Modeling (CEMM) conducts research to advance EPA's ability to measure and model contaminants in the environment, including research to provide fundamental methods and models needed to implement environmental statutes. The methods and models developed by CEMM are typically applied at the airshed, watershed and ecosystem level. Within CEMM, the Air Methods and Characterization Division (AMCD) develops, evaluates and applies advanced laboratory and field methods to measure, characterize, and analyze concentrations of pollutants in the air and at a diverse array of emission sources.

#### **What experience and skills will you gain?**

As a team member, you will provide assistance in summarizing the needs of stakeholder group for managing, interpreting, and visualizing data from low-cost sensors. This work will involve scheduling discussions with key stakeholder groups from EPA regions, Tribal, state, and local agencies, taking meeting notes, and summarizing key points into an EPA report and presentation materials. As a team member, you may be involved with communicating the key findings to a wider audience including stakeholders and data management solution providers. Assistance may also be requested to summarize the ability of data management solutions to address the key needs identified in the report. You will also provide data summarization/reporting support for the field evaluation of low-cost air quality sensors. This may include a combination of data aggregation, qualitative and quantitative data analysis, and report writing.

#### **How you will apply your skills**

##### **Sensor data needs assessment support:**

- Scheduling discussions with key stakeholder groups from EPA regions, Tribal, state, and local agencies.
- Take meeting notes and summarizing discussions and key needs for



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managing, interpreting, and visualizing data from low-cost sensors.

- Develop and EPA report and presentation materials detailing the key findings.
- Consult and interview platform managers and summarize how EPA data management platforms meet the needs outlined in the EPA report.
- May be asked to present work performed as a poster at a conference or meeting.

**Sensor evaluation support:**

- Discuss findings with the research team.
- Summarize the data for reports and dataarchives.
- Document research findings into an EPAreport.
- Consult, interview, interact, and schedule meetings with EPA scientists asnecessary.
- Participate as a member of a multi-disciplinary researchteam.
- May be asked to present work performed as a poster at a scientific conference.

**Required Knowledge, Skills, Work Experience, and Education**

- Strong written, oral and electronic communicationskills;
- Demonstrated knowledge and professional demeanor in using communication software including Word, PowerPoint, Outlook, Skype and the ability to communicate scientific information;
- Experience with data analysis software including Excel andR; and
- Experience with data management solutions including database

**Location:** This job will be located EPA's facility in Research Triangle Park, NC.

**Salary:** Selected applicant will become a temporary employee of ORAU and will receive an hourly wage of \$26.87 for hours worked.

**Hours:** Part-time (up to 20 hours per week)

**Travel:** Occasional overnight travel may be required.

**Expected start date:** The position is full time and expected to begin January 2021. The selected applicant will become a temporary employee of ORAU working as a contractor to EPA. The initial project is through May 14, 2021, with up to 4 additional potential optional periods.

*For more information, contact EPAjobs@oraу.org. Do not contact EPA directly.*

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- Qualifications**
- Be at least 18 years of age **and**
  - Have earned a minimum of a Bachelor's degree in chemistry, environmental science, engineering, statistics, math, physics, information/data science, data management, science communication, or a closely related field of study from an accredited university or college within the last 24 months and have at least one year of graduate school; **and**
  - Be a citizen of the United States of America or a Legal Permanent Resident.

*EPA ORD employees, their spouses, and children are not eligible to participate in this program.*

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
  - **Degree:** Bachelor's Degree received within the last 24 month(s).
  - **Discipline(s):**
    - **Chemistry and Materials Sciences** ([12](#) 👁)
    - **Computer, Information, and Data Sciences** ([17](#) 👁)
    - **Earth and Geosciences** ([1](#) 👁)
    - **Engineering** ([27](#) 👁)
    - **Environmental and Marine Sciences** ([14](#) 👁)
    - **Mathematics and Statistics** ([10](#) 👁)
    - **Physics** ([16](#) 👁)

**Affirmation** I certify that I am at least 18 years of age; Have earned a minimum of a Bachelor's degree in chemistry, environmental science, engineering, statistics, math, physics, information/data science, data management, science communication, or a closely related field of study from an accredited university or college within the last 24 months **and** have at least one year of graduate school; a citizen or a Legal Permanent Resident of the United States of America; and not a current employee of EPA ORD or the spouse or child of an EPA ORD employee.

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