Opportunity Title: EPA Application and Database Developer
Opportunity Reference Code: EPA-SSP-0027-5

Organization	U.S. Environmental Protection Agency (EPA)
Reference Code	EPA-SSP-0027-5
How to Apply	Submit application and supporting documents by clicking on Apply Now button.

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

Description

Background:

The EPA Environmental Research and Business Support Program has an immediate opening for an EPA Application and Database Developer with the Office of Research and Development at the EPA facility in Research Triangle Park.
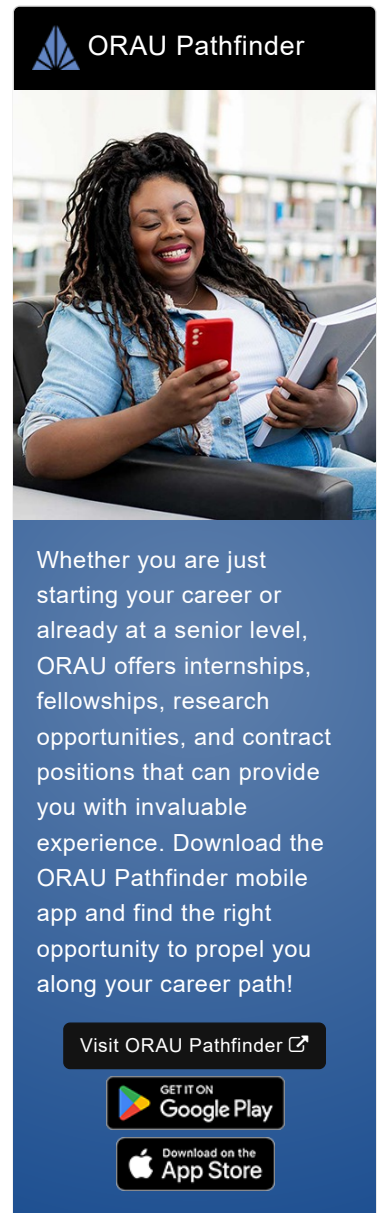
The Office of Research and Development at the EPA supports research to improve the scientific basis for decisions on national environmental issues and help EPA achieve its environmental goals. Research is conducted in a broad range of environmental areas by scientists in EPA laboratories and at universities across the country.

The Exposure Methods and Monitoring Division (EMMD) is part of the National Exposure Research Laboratory (NERL) and is located on EPA's Main Campus in Research Triangle Park, NC. EMMD provides the science that underlies the measurement of environmental stressors and their interactions with biological systems. This science includes method development, evaluation, and field and laboratory testing. The Toxicity Assessment Division (TAD) is part of the National Health and Environmental Effects Research Laboratory (NHEERL) within ORD/EPA. TAD addresses toxicological mechanisms and responses for target organ systems using multiple strategies.
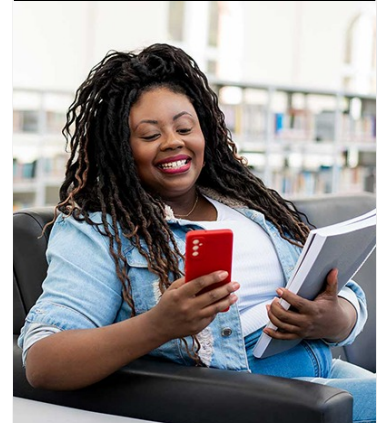
NERL and NHEERL researchers across the Agency are involved in nanomaterials research and nanoinformatic methods. EMMD in collaboration with TAD is seeking an individual to provide application development and programming support for dynamic, database-driven applications. The candidate shall work with other members of the NERL and NHEERL software development team to create new applications as well as maintain existing code bases. Extensive on-the-job training will be provided on current databases and the existing code-base. The candidate shall be a member of a multi-disciplinary research team and shall be trained to support the development, programming, testing and maintenance of multiple applications requiring access to chemical and biology databases that provides a foundation for all nanomaterial and nano-related programs.

Application and Database Programming responsibilities shall include:

- Working directly with data owners to curate raw data for entry into MySQL database
- Creating new applications and scripts to interact with a MySQL databases

- Maintaining existing code and scripts that may or may not access databases
- Participating in team code reviews, maintaining records of meetings, correspondence, and action documents, and maintaining a system to track projects in progress

Communications-related responsibilities shall include:

- Participating as a member of a multi-disciplinary research team
- Interacting with other members of the development team as well as EPA scientists
- Documenting code and database development efforts

The candidate may be asked to present work performed in the course of their EPA duties as a poster or presentation at a scientific conference or other forum.

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

Salary: The selected applicant will become a full time temporary employee of ORAU and will receive an hourly wage of $20.65 for hours worked.

Travel: Overnight travel may be required.

Working Conditions: This position will involve work in an administrative setting and is not expected to involve exposure to hazardous elements.

The selected candidate shall be supervised by a mentor who will provide day-to-day direction, as well as coach, advise and counsel the selected candidate, and review his/her work.

Expected Start Date: The position start date is November 2016. The selected applicant will be temporary employees of ORAU working as a contractor to EPA. The initial contract period is through May 14, 2017. EPA may elect to renew the contract for an additional three 12-month optional periods.

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

Qualifications **Eligible applicants must:**

- Be at least 18 years of age **and**
- Have earned at least a bachelor's degree in computer science/engineering, bioinformatics, computational biology, information science or a related field from an accredited university or college within the last 24 months, 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.

Required Knowledge, Skills, Work Experience, and Education

Successful candidates will have:

- Coursework in statistics.
- Programming proficiency in at least one of the following modern general purpose programming language Perl, Python, C++, Java or R.
- Experience with database platforms such as SQL, Oracle, PostgreSQL.
- Strong written, oral and electronic communication skills.
- Proficiency with Microsoft Office applications (i.e., Excel, PowerPoint, Word, Outlook).
- Experience with basic software development practices.
- Experience with basic database development practices.

Eligibility Requirements
- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree or Master's Degree received within the last 24 month(s).
- **Discipline(s):**
    - **Computer, Information, and Data Sciences** (16 👁)
    - **Engineering** (27 👁)
    - **Life Health and Medical Sciences** (2 👁)
    - **Mathematics and Statistics** (10 👁)

Affirmation
I certify that I am at least 18 years of age; have earned at least a bachelor's degree in computer science/engineering, bioinformatics, computational biology, information science or a related field of study or am a recent college graduate within the last 24 months from an accredited university or college; 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.

ORAU is an Equal Opportunity Employer **(EOE AA M/F/Vet/Disability)**; visit the [ORAU website](#) for required employment notices.