Opportunity Title: EPA Online Research Librarian (two openings)
Opportunity Reference Code: EPA-SSP-0007-7

Organization	U.S. Environmental Protection Agency (EPA)
Reference Code	EPA-SSP-0007-7
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 two EPA Online Research Librarians 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 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.
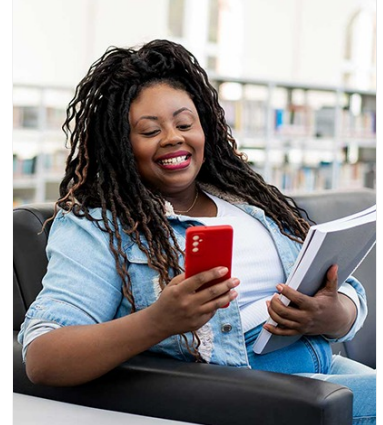
EPA's National Center for Environmental Assessment (NCEA) is a leader in the science of human health and ecological risk assessment, a process used to determine how pollutants or other stressors may impact human health and the environment. The center occupies a critical position in EPA's Office of Research and Development (ORD) between researchers in other parts of ORD and outside of EPA who are generating new findings and data and the regulators in EPA's program and regional offices who must make regulatory, enforcement, and remedial action decisions.

NCEA addresses the needs of stakeholders by preparing technical reports and assessments that integrate and evaluate the most up-to-date research. These products serve as a major component of the scientific foundation supporting EPA's regulations and policies. NCEA also conducts cutting-edge research to develop innovative quantitative risk assessment methods and tools that: help extrapolate between experimental data and real-world scenarios, improve our understanding of uncertainties, and facilitate careful weighing of evidence.

The Health and Environmental Research Online (HERO) database provides an easy way to access and influence the scientific literature behind EPA science assessments. The database includes more than 3 million scientific references and data from the peer-reviewed literature used by EPA to develop its regulations for the following: Integrated Science Assessments (ISA) that feed into the NAAQS review, Provisional Peer Reviewed Toxicity Values (PPRTV) that represent human health toxicity values for the Superfund, and the Integrated Risk Information System (IRIS), a database that supports critical agency policymaking for chemical regulation. These assessments supported by HERO characterize the nature and magnitude of health risks to humans and the ecosystem from pollutants and chemicals in

the environment.

The candidate shall provide literature search, data curation, document acquisition, and general project support to the HERO project. The required skills includes but are not limited to advanced Boolean searches, SQL queries, file management, data curation, and quality control. The participant shall be a member of a team of librarians and data specialists, and will be trained to support the development and operation of HERO. The performance and refinement of literature searches on the effects of pollutants will be the dominant task performed by the candidate, and will require library science expertise.

Literature search includes but not limited to:

- Collaborating with EPA scientists to perform and update literature searches
- Screening search results on project specific criteria, using SQL database tools
- Archiving the search process for future reference, including the impact of specific search terms on the full result set
- Preparing flow diagrams to communicate screening process to stakeholders and public

Data curation includes but not limited to:

- Performing quality control of HERO metadata (entered by third parties and imported directly from bibliographic databases) ensuring consistent quality, formatting and presentation
- Resolving duplicated citations into a single HERO record
- Verifying data to ensure correctness and completeness

Document acquisition includes but not limited to:

- Locating and archiving digital copies of original full-text articles relevant to the assessment, using agency provided resources and in accordance with copyright law
- Digitizing and storing relevant hard copy articles in the HERO database

General project support includes but not limited to:

- Testing new interfaces and tools for HERO
- Creating new project pages and hierarchies of organizational tags to meet the needs of the scientists working on each project
- Maintaining a small physical library of HERO resources, including cataloging and labeling books
- Providing basic assistance, training and support to agency and contractor users of HERO

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 $27.72 for hours worked.

Travel: No overnight travel will 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.

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Qualifications   **Eligible applicants must:**

- Be at least 18 years of age **and**
- Have earned at least a master's degree in information science or library 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:

- A working knowledge of relational databases.
- Strong written, oral and electronic communication skills
- Expertise with complex Boolean literature search queries
- Experience with major online research databases including PubMed or Web of Science
- Detailed recordkeeping skills to document literature search for transparency and reproducibility
- Experience working as a part of a high performing team

Desired Knowledge, Skills, Work Experience, and Education

It is desired, but not required, that the candidate have experience with Coldfusion, Endnote, SQL, Python, Java or Mongo.

Eligibility Requirements
- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree or Doctoral Degree received within the last 24 month(s).
- **Discipline(s):**

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- **Computer, Information, and Data Sciences** ([16 👁])
- **Other Non-Science & Engineering** ([1 👁])

Affirmation   I certify that I am at least 18 years of age; have earned at least a master's degree in information science or library 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.