

Opportunity Title: Toxicokinetic Support Scientist
Opportunity Reference Code: EPA-NSSC-0009-63

Organization U.S. Environmental Protection Agency (EPA)

Reference Code EPA-NSSC-0009-63

How to Apply Click [HERE](#) to apply.

Description The EPA National Student Services Contract has an immediate opening for a full time Toxicokinetic Support Scientist 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

The Center for Computational Toxicology and Exposure (CCTE) supports EPA's mission to protect human health and the environment by developing and applying innovative methods that incorporate toxicity and exposure information to support regulatory decision-making, in particular risk-based prioritization. Efforts in the Experimental Toxicokinetics and Toxicodynamics Branch within CCTE's Chemical Characterization and Exposure Division focus on developing tools that can be used to estimate chemical absorption, distribution, metabolism and excretion (ADME) properties, or chemical toxicokinetics. This information is used to inform what internal doses may result following an exposure, which is a critical linkage needed to combine hazard and exposure information to assign risk in a chemical evaluation.

What experience and skills will you gain?

As a team member, you will provide laboratory support to the in vitro kinetics and modeling (IVKM) group in HEDMB. You will work with other members of the lab and ORD collaborators to generate chemical toxicokinetic data that will be used in high-throughput toxicokinetic (HTTK) modeling, a critical tool in chemical safety efforts that may be used in conjunction with high-throughput screening (HTS) data to inform chemical safety assessments and regulatory decision-making.

IVKM laboratory support will include:

- Maintaining laboratory instrumentation and supporting documentation;
- Preparing buffers and reagents for laboratory usage; tracking supplies;
- Conducting biochemical and toxicokinetic assays;
- Assisting in and/or performing the preparation of curves, standards, and samples for MS analysis;
- Assisting in and/or performing method development to support analytical chemistry measurements using mass spectrometry instrumentation (MS);
- Maintaining cells and conducting cell culture experiments using aseptic



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technique;

- Performing literature searches in support of IVKM research efforts; and
- Collating and performing data analysis of data generated in IVKM laboratory. Maintaining laboratory inventories of samples, reagents and cells.

Communications-related responsibilities will include:

- Participating as a member of a multi-disciplinary research team;
- Documenting laboratory effort and research in appropriate notebooks and/or files/folders;
- Collaborating with other members of the lab as well as EPA scientists; and
- Presenting work performed at a lab or other internal meeting as required.

Required Knowledge, Skills, Work Experience, and Education

- Demonstrated proficiency in the use of general laboratory procedures and techniques that include but are not limited to: standard curve preparation, pipetting and dilution preparation;
- Experience in culturing of human cells or cell lines (e.g., hepatocytes, intestinal cells) and/or in using aseptic technique;
- Experience in the use of analytical chemistry methodology;
- Strong organizational skills, including demonstrated ability to handle multiple assignments with competing deadlines; and
- Strong written, oral, and electronic communication skills.

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 \$32.01 for hours worked.

Hours: Full-time.

Travel: Occasional overnight travel may be required.

Expected start date: The position is full time and expected to begin August 2024. The selected applicant will become a temporary employee of ORAU working as a contractor to EPA.

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



Qualifications

- Be at least 18 years of age **and**
- Have earned at least a Master's degree in biology, toxicology, chemistry, pharmacology or a closely related field of study 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.

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

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Any degree .
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([1](#) )
 - **Life Health and Medical Sciences** ([3](#) )

Affirmation I certify that I am at least 18 years of age; a recent graduate with at least a Master's degree in biology, toxicology, chemistry, pharmacology or a closely related field of study from an accredited university or college within the last 24 months; 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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