

**Opportunity Title:** Toxicokinetic Support Scientist at EPA

**Opportunity Reference Code:** EPA-SSP-0010-20

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

**Reference Code** EPA-SSP-0010-20

**How to Apply** **Ready to share your interest with EPA scientists?**

- Submit application and supporting documents by clicking on *Apply Now* button.
- Do not contact EPA directly.

**Description** **U.S. EPA Opportunity**

The U.S. Environmental Protection Agency's Environmental Research and Business Support Program has an immediate opening for a Toxicokinetic Support Scientist with the Office of Research and Development at the EPA's Research Triangle facility in Raleigh-Durham, NC.

The National Exposure Research Laboratory (NERL) supports EPA's mission to protect human health and the environment by developing and applying innovations in exposure science. Exposure science sets the context for understanding and solving real-world problems by providing an understanding of exposure that can be integrated with hazard information to inform risk.

#### What the EPA project is about


Efforts in the Human Exposure Dose Modeling Branch (HEDMB) in NERL's Computational Exposure Division focus on developing tools that can be used to estimate external exposures as well as internal doses that may result following these exposures.


#### What you will be doing as IVKM laboratory support

EPA is seeking a team member to provide laboratory support to the in vitro kinetics and modeling (IVKM) group in HEDMB. This team member 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.

#### Required Skills



- 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 cell lines or cells (e.g., hepatocytes, intestinal cells) and in using aseptic technique;
- Experience in the use of analytical chemistry methodology; and


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- Strong organizational skills, including demonstrated ability to handle multiple assignments with competing deadlines.

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

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

#### **Communications-related responsibilities**

- Participating as a member of a multi-disciplinary research team;
- Documenting laboratory effort and research in appropriate notebooks and/or files/binders; and
- Interacting with other members of the lab as well as EPA scientists.

You may be asked to present work performed at a lab or other internal meeting.

#### **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.

**Location:** These jobs will be located at EPA's Research Triangle facility in Raleigh-Durham, NC.

**Salary:** The selected applicant will become a full time temporary employee of ORAU and will receive an hourly wage of \$28.56 for hours worked.

**Expected Start Date:** The position start date is March 2019. The selected applicant will be temporary employee of ORAU working

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as contractors to EPA. The initial contract period is through May 14, 2019. EPA may elect to renew the contract for an additional one (1) 12-month optional period.

**Hours:** Full Time.

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

**Working Conditions:** As a team member you will be supervised by a mentor who will provide day-to-day direction, as well as coach, advise and counsel you and review your work. The mentor for this position will be a federal EPA employee.

This position shall involve work in a laboratory setting in a CSL2-level laboratory. Laboratory safety training will be provided by the US EPA ORD's Safety, Health, and Environmental Management (SHEM) Office, and enrollment in an occupational surveillance program will be required.

**Information:** EPAjobs@orau.org

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

#### Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree or Doctoral Degree received within the last 24 month(s).
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (1 👁)
  - **Life Health and Medical Sciences** (45 👁)

#### Affirmation

- I certify that I am at least 18 years of age; 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; 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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