

Opportunity Title: Analytical Chemistry/Biochemistry Postdoctoral Fellowship-

CDC

Opportunity Reference Code: CDC-NCEH-2015-0081

Organization Centers for Disease Control and Prevention (CDC)

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How to Apply A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to CDCrpp@orau.org. Please include the reference code for this opportunity in your email.

Description A fellowship opportunity is currently available with the National Center for Environmental Health (NCEH) within the Centers for Disease Control and Prevention (CDC) in Atlanta, GA. The goal of the research project is to design, develop, and validate analytical methods to detect human exposure to small molecule poisons and toxins in biomedical samples.

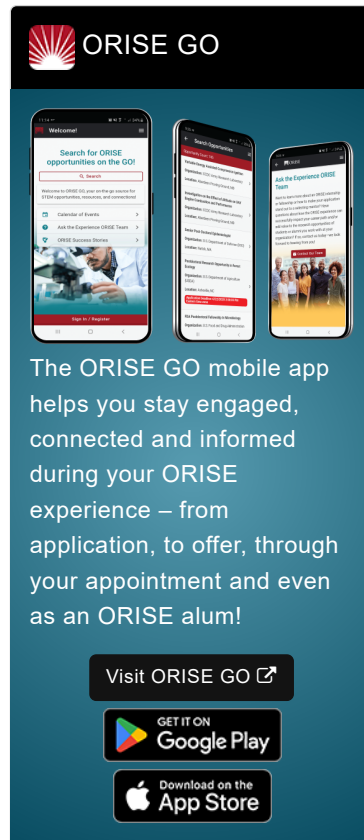
The research participant will be involved in the following activities:

1. Design sample preparation protocols and couple with traditional LC-MS techniques or other detection methods.
2. Develop and characterize developed methods for the accurate, precise, and sensitive detection of toxin biomarkers in human fluids.
3. Set up analytical methods based on standard operating procedures with minimal supervision following initial training period.
4. Analyze samples, report results, discuss and troubleshoot assay related problems in a timely basis.
5. Participate in emergency response exercises, proficiency testing, and provide analytical support to network laboratories as needed.
6. Maintain instrument operational status and document performance and functioning of the instrument.
7. Communicate research internally and externally by preparing method summaries and standard operating procedures, presenting results to the scientific community, and publishing in peer reviewed journals.

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment is for one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC or the program



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administrator, and there are no fringe benefits paid.

- Qualifications**
- Ph.D. or M.S. in biochemistry, chemistry, or related science, earned within the past five years.
 - Experience with LC-MS/MS method development
 - Understanding of fundamental science related to protein and/or small molecule chromatographic separations or isolation protocols from complex matrices
 - Experience with mass spectrometry and liquid chromatography is highly desired.

- Eligibility Requirements**
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([3](#) 👁)
 - **Life Health and Medical Sciences** ([6](#) 👁)