

Opportunity Title: FDA Postdoctoral Fellowship in Toxicology

Opportunity Reference Code: FDA-NCTR-2022-04

Organization U.S. Food and Drug Administration (FDA)

Reference Code FDA-NCTR-2022-04

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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
- One educational or professional recommendation

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

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

Application Deadline 5/16/2022 3:00:00 PM Eastern Time Zone

Description A research opportunity is currently available with the U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR) located in Jefferson, Arkansas.

The completed and on-going projects in this laboratory include the evaluation of the mutagenic effects of direct mutagens, herbal dietary supplements, industrial compounds, nanoparticles, ingredients in cosmetics and other retail products, and tobacco products.

Under the guidance of a mentor, the participant will receive training in the following activities:

- Investigate genotoxicity of dietary supplements using different genotoxic endpoints in cell lines
- Examine changes in the DNA damage signaling pathways caused by dietary supplements and their constituents
- Explore and characterize the possible molecular mechanisms underlying the genotoxicity of dietary supplements

Anticipated Appointment Start Date: June 2022

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 FDA. The initial appointment is for one year, but may be renewed upon recommendation of FDA 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 FDA in the Jefferson, Arkansas, area. Participants do not become employees of FDA, DOE or the program administrator, and there are no employment-related benefits.

Completion of a successful background investigation by the Office of Personnel Management is required for an applicant to be on-boarded at FDA. OPM can complete a background investigation only for individuals, including non-US Citizens, who have resided in the US for a total of three of the past five years.



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FDA requires ORISE participants to read and sign their FDA Education and Training Agreement within 30 days of his/her start date, setting forth the conditions and expectations for his/her educational appointment at the agency. This agreement covers such topics as the following:



- Non-employee nature of the ORISE appointment;
- Prohibition on ORISE Fellows performing inherently governmental functions;
- Obligation of ORISE Fellows to convey all necessary rights to the FDA regarding intellectual property conceived or first reduced to practice during their fellowship;
- The fact that research materials and laboratory notebooks are the property of the FDA;
- ORISE fellow's obligation to protect and not to further disclose or use non-public information.

Qualifications The qualified candidate should have received a doctoral degree in one of the relevant fields. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Good written and verbal communications skills
- Experience in areas such as toxicity, oxidative stress, DNA damage, signaling pathways, and/or related fields
- Strong background in cellular and molecular biology techniques
- Experience in genotoxicity testing and cancer research

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Environmental and Marine Sciences** ([1](#) )
 - **Life Health and Medical Sciences** ([45](#) )

Affirmation Have you lived in the United States for at least 36 out of the past 60 months? (36 months do not have to be consecutive.)