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Opportunity Title: FDA Postdoctoral Research Fellowship in Neurotoxicology
Opportunity Reference Code: FDA-NCTR-2024-0004

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

Reference Code FDA-NCTR-2024-0004

How to Apply ***Connect with ORISE...on the GO!*** Download the new ORISE GO mobile app in the Apple App Store or Google Play Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!

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. Your application will be considered incomplete, and will not be reviewed until one recommendation is submitted
- A writing sample from a peer reviewed publication

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 8/31/2024 3:00:00 PM Eastern Time Zone

Description ***Applications will be reviewed on a rolling-basis.**

FDA Office and Location: A postdoctoral fellowship opportunity is currently available in the Division of Neurotoxicology at the National Center for Toxicological Research (NCTR) of the U.S. Food and Drug Administration (FDA) located in Jefferson, Arkansas.

Research Project: Research efforts will include participation in multi-disciplinary efforts in a nationally recognized training program in support of the FDA's mission. The candidate will be trained closely with the Principal Investigator (PI) on ongoing and proposed research projects on developmental neurotoxicity studies to assess and interpret the effect(s) of FDA-regulated products on the developing central nervous system and conduct histological, molecular, and/or biological experiments using in vitro and in vivo models. The candidate will collaborate with FDA investigators at NCTR and with investigators in other FDA centers. During the project, They will be actively encouraged to present the research at internal and external meetings and publish the findings in peer-reviewed journals.

Learning Objectives: During the project, the candidate will learn about conducting histological, molecular, and/or biological experiments using in vitro and in vivo models. The candidate will learn the advanced ideas and techniques to work on 2D and 3D neuronal models.

Anticipated Appointment Start Date: June 1, 2024. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for 3 years, but may be renewed upon recommendation of FDA and is contingent on the availability of funds.

Level of Participation: The appointment is full time.

Citizenship Requirements: This opportunity is available to U.S. citizens, Lawful Permanent Residents (LPR), and foreign nationals. Non-U.S. citizen applicants should refer to the Guidelines

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for Non-U.S. Citizens Details page of the program website for information about the valid immigration statuses that are acceptable for program participation.

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 participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. 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.

FDA Ethics Requirements

If an ORISE Fellow, to include their spouse and minor children, reports what is identified as a Significantly Regulated Organization (SRO) or prohibited investment fund financial interest in any amount, or a relationship with an SRO, except for spousal employment with an SRO, and the individual will not voluntarily divest the financial interest or terminate the relationship, then the individual is not placed at FDA. For additional requirements, see FDA Ethics for Nonemployee Scientists.

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 be currently pursuing or have received a doctoral degree in one of the relevant fields (Neuroscience, Pharmacology/Toxicology, or Biomedical Sciences or related areas). Degree must have been received within the past five years or be currently pursuing. Completion of all requirements for the degree is expected prior to the starting date.

Preferred skills:

- Prior experience in cell culture studies, especially in primary cells and iPSCs, as well as developing and performing assays to evaluate the neurotoxicity of agents is desired.
- The preference will be given to the candidate who already had experience in neuroscience studies.
- Demonstrated written and oral communications skills.
- Demonstrated ability for collaboration.

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 8/31/2024 11:59:00 PM.

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- **Academic Level(s):** Graduate Students, Postdoctoral, or Post-Master's.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (1 👁)
  - **Life Health and Medical Sciences** (51 👁)

Affirmation

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

I have read the FDA Ethics Requirements.