Opportunity Title: FDA Postdoctoral Research Fellowship in Blood Storage Lesion
Opportunity Reference Code: FDA-CBER-2024-0009

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

Reference Code FDA-CBER-2024-0009

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

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

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

Application Deadline 7/1/2024 3:00:00 PM Eastern Time Zone

Description ***Applications will be reviewed on a rolling-basis, and this opportunity will remain open until filled.**

A research opportunity is currently available in the Office of Blood Research and Review (OBRR) at the Center for Biologics Evaluation and Research (CBER), Food and Drug Administration (FDA) in Silver Spring, Maryland.

Under the guidance of a mentor, the selected candidate will be responsible for carrying out an exciting research program applicable to the area of hemoglobin, red blood cell biology, their storage adverse events and hemoglobinopathies. Specifically, the research in LBVB is focused on oxidation reactions of hemoglobin, red blood cells and their microparticles. Oxidative changes in hemoglobin are followed within red cells and their impact on cellular and subcellular levels are monitored. The candidate will learn how to use some of the sate of the art technologies related to blood banking and hematological assessments of blood function under variety of conditions.

Individuals with demonstrable knowledge in the field of mass spectrometry and proteomic analysis of proteins in general and hemoglobin within red cells and microparticles are encouraged to apply.

Anticipated Appointment Start Date: start date is flexible

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 for up to 4 years.** The participant will receive a monthly stipend commensurate with educational level and experience. Other benefits may include the following: - Health, Vision, and Dental Insurance Supplement. Proof of health insurance is required for participation in this program. The appointment is full-time at FDA in the Silver Spring, Maryland, area. Participants do not become employees of FDA, DOE or the program administrator, and there are no employment-related benefits.

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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 have received or currently pursuing a master's or doctoral degree in Biochemistry or Physiology or other relevant Biomedical Sciences or equivalent doctoral degree (M.D., D.V.M., DVM., or Sc.D. etc.). Degree must have been received within the past five years and before the start of the appointment.

Candidates must possess an outstanding publication record of research productivity, exceptional written and oral communication skills, and experience in scientific critique.

Preferred skills/knowledge include:

- Knowledge in the areas of cell and molecular biology, red blood cell physiology, chemistry related to hemoglobin oxidation and hemoglobinopathies
- Knowledge of identifying and quantifying posttranslational modifications in proteins
- Technically advanced and capable of driving a research project
- Experience with handling blood and cultured mammalian cells

Eligibility Requirements

- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Computer, Information, and Data Sciences** (17 👁)
  - **Life Health and Medical Sciences** (48 👁)

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.)

and

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I have read the FDA Ethics Requirements.