

**Opportunity Title:** FDA Fellowship in Neonatal Immunology/Immune Responses to mRNA Vaccines

**Opportunity Reference Code:** FDA-CBER-2023-10

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

**Reference Code:** FDA-CBER-2023-10

**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@oraui.org](mailto:ORISE.FDA.CBER@oraui.org). Please include the reference code for this opportunity in your email.

**Application Deadline:** 4/14/2023 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 Vaccine Research and Review (OVRR) at the Center for Biologics Evaluation and Research (CBER), Food and Drug Administration (FDA) in Silver Spring, Maryland.

The selected candidate will study the immune responses to diverse vaccine platforms including mRNA vaccines (SARS-CoV-2) and novel delivery systems. They will also study the mechanisms responsible for the ablated vaccine responses in during neonatal period. The analysis of immune response involves detailed investigation of the cellular and molecular mechanisms controlling the development of follicular helper T (T<sub>fh</sub>) cells and germinal center B cells. The overarching goal of this project is to improve childhood vaccines by modulating molecular and cellular targets unique to neonates with adjuvants.

**Anticipated Appointment Start Date:** April 2023; 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.** 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 Silver Spring, Maryland, 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 must have received or be currently pursuing a doctoral degree in immunology, microbiology, molecular biology, cell biology or related fields. The degree must be received before the start of the appointment and within 5 years of the appointment start date.

Experience with flow cytometry, mammalian cell culture, molecular biology, RNA-seq analysis, bioinformatics and the use of mouse in immunological research is desired.

**Eligibility Requirements**

- **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** ([3](#) 👁)
  - **Life Health and Medical Sciences** ([48](#) 👁)

**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.)

and

Do you expect to receive your degree prior to the start of the appointment?