

**Opportunity Title:** FDA Computational Toxicology fellowship

**Opportunity Reference Code:** FDA-CDER-2026-0030

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

**Reference Code** FDA-CDER-2026-0030

**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.CDER@orau.org](mailto:ORISE.FDA.CDER@orau.org).

Please include the reference code for this opportunity in your email.

**Application Deadline** 5/31/2026 12:00:00 AM Eastern Time Zone

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

**FDA Office and Location:** A research opportunity is available within the Food and Drug Administration (FDA) in The Center for Drug Evaluation and Research (CDER), Office of New Drugs/Immediate Office, located at Silver Spring, Maryland.

The Center for Drug Evaluation and Research (CDER) performs an essential public health task by making sure that safe and effective drugs are available to improve the health of people in the United States. As part of the U.S. Food and Drug Administration (FDA), CDER regulates over-the-counter and prescription drugs, including biological therapeutics and generic drugs. This effort covers more than just medicines.

**Research Project:** CDER has recently begun storing both electronic toxicology study data and nonclinical reviewers' conclusions in queryable databases; however, reviewer conclusions are only successfully recorded for a subset of the toxicology study data submitted. These databases will be utilized to train predictive models to infer from Standard for Exchange of Nonclinical Data (SEND) data which target organs will likely be identified by reviewers. After the models have been trained and prospectively validated against new data, target organs tags will be generated for all SEND datasets, enabling large-scale analysis of the relationships among toxicology study endpoints, organ system toxicities, drug characteristics, toxicology study parameters, and clinical adverse events.

**Learning Objectives:** Under the guidance of a mentor you will gain experiential, applied knowledge concerning both the SEND data standard

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and predictive modeling as well as a scientific understanding of the fundamentals of how toxicology study data is used at FDA to ensure the safety of clinical trials. You will also have the opportunity to develop novel approaches to apply statistical inference and summarization techniques that aid in the interpretation of study results in the context of data collected from sufficiently similar studies. Additionally, you will gain experience leveraging open-source software to provide data analysis/visualization solutions for a wide audience of users.

**Anticipated Appointment Start Date: 2026.** Start date is flexible and will depend on a variety of factors.

**Appointment Length:** The appointment will initially be for one year, 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 and Lawful Permanent Residents (LPR) only.

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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;

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- 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.

**Point of Contact** [Ashley](#)

- Eligibility Requirements**
- **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
  - **Discipline(s):**
    - **Business** ([3](#))
    - **Communications and Graphics Design** ([1](#))
    - **Computer, Information, and Data Sciences** ([7](#))
    - **Earth and Geosciences** ([21](#))
    - **Engineering** ([1](#))
    - **Environmental and Marine Sciences** ([1](#))
    - **Life Health and Medical Sciences** ([51](#))
    - **Mathematics and Statistics** ([11](#))
    - **Social and Behavioral Sciences** ([30](#))

**Affirmation** I am a U.S. citizen, or 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  
I have read the FDA Ethics Requirements.