Opportunity Title: FDA Data Science Fellowship – Development of Web Application to Support Safety Analysis Report Customization
Opportunity Reference Code: FDA-CDER-2026-0196

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

Reference Code FDA-CDER-2026-0196

How to Apply ***To submit your application, scroll to the bottom of this opportunity and click APPLY.***

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

Application Deadline 1/15/2027 3:00:00 PM Eastern Time Zone

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

FDA Office and Location: A research opportunity is available immediately with the Food and Drug Administration (FDA), Center for Drug Evaluation and Research (CDER), National Center for Toxicological Research (NCTR), located in Jefferson, Arkansas.

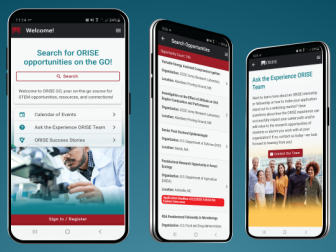
The Center for Drug Evaluation and Research (CDER) performs an essential public health task by making sure that safe and effective drugs are available to improve the health of people in the United States. As part of the U.S. Food and Drug Administration (FDA), CDER regulates over-the-counter and prescription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

Research Project: This project aims to develop a database and web-based application that allows drug reviewers to easily apply analysis data files to the corresponding standard table and figure templates, to manipulate these parts, and to generate customized analysis reports. FDA's GenAI tool's capabilities will be explored and leveraged to empower the web application.

Learning Objectives: You will join a team of data scientists, AI scientists, and regulatory informatics developers through this learning opportunity. You will receive mentorship by experts in the field, which is a unique opportunity for new data scientists. You will have learning opportunities that include:

- Knowledge of the structure and presentation conventions of standard safety data analysis tables and figures used in drug review;
- Full-stack web-based application development; Leveraging of GenAI technologies to support problem-solving and feature development in a web-based

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- Leveraging of GenAI technologies to support problem-solving and feature development in a web-based application.

Mentor: The mentors for this opportunity are Joshua Xu (Joshua.xu@fda.hhs.gov), Weida Tong (weida.tong@fda.hhs.gov), and Shraddha Thakkar (shraddha.thakkar@fda.hhs.gov). If you have questions about the nature of the research, please contact the mentors.

Anticipated Appointment Start Date: 2026/2027. 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.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.

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 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.

Qualifications The qualified candidate should be currently pursuing or have received a bachelor's, master's, or doctoral degree in the one of the relevant fields.

Point of Contact Ashley

Eligibility Requirements

- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12)
  - **Communications and Graphics Design** (2)
  - **Computer, Information, and Data Sciences** (17)

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- **Earth and Geosciences** (21 👁)
- **Engineering** (29 👁)
- **Environmental and Marine Sciences** (14 👁)
- **Life Health and Medical Sciences** (51 👁)
- **Mathematics and Statistics** (11 👁)
- **Physics** (16 👁)
- **Science & Engineering-related** (2 👁)
- **Social and Behavioral Sciences** (29 👁)

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.)