

Opportunity Title: Machine Learning Fellowship - FDA CDER
Opportunity Reference Code: FDA-CDER-2019-0355

Organization	U.S. Food and Drug Administration (FDA)
Reference Code	FDA-CDER-2019-0355
How to Apply	<p>A complete application consists of:</p> <ul style="list-style-type: none"> • 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 • Two educational or professional references <p>All documents must be in English or include an official English translation.</p> <p>If you have questions, send an email to FDApp@orau.org. Please include the reference code for this opportunity in your email.</p>

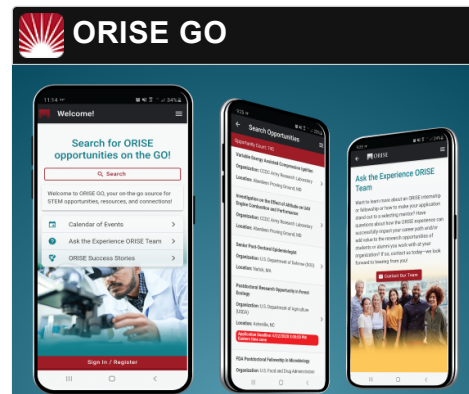
Description An opportunity is available at the U.S. Food and Drug Administration (FDA), Center for Drug Evaluation and Research (CDER) in Silver Spring, Maryland and Stanford University/University of California, San Francisco.

The office of clinical pharmacology (OCP) at the U.S. FDA is launching an Artificial Intelligence (AI) initiative to support the healthcare applications of this technology as an emerging frontier in regulatory decision making. As part of this initiative, OCP is partnering with the UCSF-Stanford Centers of Excellence in Regulatory Science and Innovation (CERSIs) to offer a one year ORISE (Oak Ridge Institute for Science and Education) fellowship opportunity for an interested participant to conduct high impact regulatory science research.

This AI fellowship provides the opportunity for an outstanding individual to **train in collaboration** closely with scientists at both Stanford University/UCSF, and the FDA to conduct research that will advance new drug development and promote public health. During participation in this program, the Fellow will engage in various activities that include but are not limited to the applications of AI/machine learning (ML) for precision medicine, drug development and regulatory science.

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 both at FDA in the Silver Spring, Maryland, area and at Stanford University/UCSF. Participants do not become employees of FDA, DOE or the program administrator, and there are no employment-related benefits.

The Homeland Security Presidential Directive-12 (HSPD-12) mandates a background check be completed for both U.S. Citizens and foreign nationals. Foreign nationals must have resided in the U.S. for at least three (3) of the past five (5) years in order for FDA to be able to complete a background check.

The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!

Visit ORISE GO [↗](#)

GET IT ON **Google Play** | Download on the **App Store**

Opportunity Title: Machine Learning Fellowship - FDA CDER

Opportunity Reference Code: FDA-CDER-2019-0355

Qualifications

The qualified candidate must have received an advanced degree (e.g., MS, PhD, PharmD, and/or MD) in the relevant fields. Prospective applicants who hold a PhD in computer science or engineering, and familiar with Artificial Intelligence and Machine Learning are strongly encouraged to apply. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Strong background in statistics
- Advanced proficiency in at least one programming language (e.g., Python, R)
- Excellent analytical skills
- Interest in projects that advance regulatory science and public health

Eligibility Requirements

- **Degree:** Master's Degree or Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** (16 👁)
 - **Environmental and Marine Sciences** (1 👁)
 - **Life Health and Medical Sciences** (45 👁)