Opportunity Title: FDA Physiologically-Based PK Modeling in Pregnancy Fellowship
Opportunity Reference Code: FDA-CDER-2019-0464

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

Reference Code FDA-CDER-2019-0464

How to 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. Your application will be considered incomplete, and will not be reviewed until one recommendation is submitted.

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 3/31/2020 3:00:00 PM Eastern Time Zone

Description

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

A research opportunity is available in the Office of New Drugs (OND) / Office of Hematology and Oncology Products (OHOP), Center for Drug Evaluation and Research (CDER), Food and Drug Administration (FDA) located in Silver Spring, Maryland.

This project in the Center for Drug Evaluation and Research (CDER), Office of New Drugs (OND) / Office of Hematology and Oncology Products (OHOP) will leverage the unique and extensive PK database available from the ongoing NIH funded IMPAACT network study (P1026s) to improve our understanding of the PK changes associated with pregnancy in order to optimize design and conduct of PK studies in pregnant women, including prioritization of drugs to be studied and selection of periods of gestation to be studied, necessary sample sizes and initial doses.

Under the guidance of a mentor the participant will receive training to develop PBPK models of pregnancy and gain understanding of safe dosing for antiretroviral drugs in pregnant patients.

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

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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 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 be currently pursuing or have received a doctoral degree in one of the relevant fields. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Knowledge of Pharmacokinetics (PK) and Physiologically-Based Pharmacokinetics (PBPK)
- Familiarity with PBPK modeling software

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (2 👁)
  - **Engineering** (1 👁)
  - **Life Health and Medical Sciences** (5 👁)
  - **Mathematics and Statistics** (2 👁)