Opportunity Title: NCTR-ORA Nanotechnology Core Facility Fellowship - FDA
Opportunity Reference Code: FDA-NCTR-2016-0124

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

Reference Code FDA-NCTR-2016-0124

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
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to *FDArpp@orau.org*. Please include the reference code for this opportunity in your email.

Application Deadline 10/30/2017 12:00:00 AM Eastern Time Zone

Description A postdoctoral fellowship opportunity is currently available within the Nanotechnology Core Facility at the National Center for Toxicological Research (NCTR) of the U.S. Food and Drug Administration (FDA), Jefferson Laboratories Campus located in Jefferson, Arkansas.

The Nanotechnology Core Facility was developed to support the technical needs of FDA scientists involved in determining the toxicity, safety, and characterization of nanomaterials.

Nanotechnology, as an emerging technology, has been widely applied in feminine hygiene products regulated by FDA. The selected candidate will collaborate on a project to evaluate the migration/uptake and toxicity of nanomaterials using established in vivo rodent model. The multi-disciplinary research efforts may include:

- Perform physicochemical characterizations of the nanomaterials and other species (ions, agglomerates) in feminine hygiene products using state-of-art instruments in FDA's Nanotechnology Core Facility.
- Develop standard method to extract and quantify the nanomaterials and other species in commercial products.
- Evaluate the migration and vaginal toxicity of nanomaterials using an in vivo rodent model.
- Coordinate with other collaborators on evaluating the effect of the nanomaterials using a human in vitro air-liquid interface (ALI) vaginal model or human vagina microbiota model.

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- Analyze in vivo and in vitro results for risk assessments of nanomaterials in the feminine hygiene products.
- Assist in writing the reports and manuscripts for publication.

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 education level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at NCTR in Jefferson, Arkansas. Participants do not become employees of FDA or the program administrator, and there are no fringe benefits paid.

Qualifications

Applicants must have received a Ph.D. within the last five years in the fields of toxicology, pharmacology, biochemistry and biology, with an emphasis on in vivo toxicology studies. Prior experience with nanotechnology is preferred, but not required.

For more information about the fellowship, please contact Anil Patri, at anil.patri@fda.hhs.gov.

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Academic Level(s):** Postdoctoral.
- **Discipline(s):**
  - **Life Health and Medical Sciences** (4 👁)
  - **Science & Engineering-related** (1 👁)