

Opportunity Title: FDA Research Fellowship for the Analysis of Cosmetic

Microbiology

Opportunity Reference Code: FDA-CFSAN-2023-21

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

Reference Code FDA-CFSAN-2023-21

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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.CFSAN@orau.org.

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

Application Deadline 7/31/2023 3:00:00 PM Eastern Time Zone

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

A research opportunity is currently available at the U.S. Food and Drug Administration (FDA), Center for Food Safety and Applied Nutrition (CFSAN), located in the Microbial Methods Development Branch (MMDB), Division of Microbiology (DM), Office of Regulatory Science (ORS) in College Park, Maryland.

Concerns about the safety of cosmetic products necessitate reevaluation and possible revisions to the BAM Cosmetics Chapter (Chapter 23). Particular areas of concern are the method's ability to detect and isolate biological contaminants such as toxigenic *Bacillus cereus*/Staphylococcus aureus, Salmonella, E. coli, and Pseudomonas aeruginosa on cosmetic wipes. Reevaluation and possible revisions of BAM Chapter 23 will require a multiprong approach that includes the development and validation of alternative detection systems with actual microbiological isolation procedures. Protocols derived from the new methodologies should enable convenient and practical detection of microorganisms on cosmetic wipes, while still allowing for the production of actual bacterial isolates which are essential to compliance and other regulatory actions taken by FDA during outbreaks and routine surveillance. The participant will be assisting the PI performing these development and validation studies.

Under the guidance of a mentor, the participants will assist in the following:

- (1) Comparison of BAM and the alternative methods for the detection of microorganisms of concerns on wipes.
- (2) Comparison of TEMPO, automated enumeration system methods, using both methods for the detection of microorganisms of concerns in wipes.
- (3) Validation of cultural based methods for the detection of microorganisms



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of concerns in wipes

(4) Prepare presentation of useful detection data.

(5) Maintain laboratory as per guidelines of CFSAN QA/QC.

(6) Follow all safety guidelines as described in Biosafety in Microbiological and Biomedical Laboratories, 5th Edition or Later (2009, Centers for Disease Control and Prevention, Atlanta, GA).

(7) The candidate should prepare all the materials needed to bring the task into fruition.

Anticipated Appointment Start Date: July 10, 2023; start date is flexible

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 College Park, 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 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
- 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 have received, in the last two years, a Bachelor of Sciences in Biology that included classes in Microbiology and other subjects related to the study of microorganisms, for example Bacterial

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Analysis and Genetics.

Preferred skills/ knowledge:

- Lab maintenance
- In-depth knowledge of laboratory
- Good organization skill

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Bachelor's Degree received within the last 26 month(s).
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([1](#) )
 - **Communications and Graphics Design** ([1](#) )
 - **Life Health and Medical Sciences** ([48](#) )
 - **Mathematics and Statistics** ([1](#) )

Affirmation 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.