

**Opportunity Title:** FDA High School Food Chemistry Summer Research Internship

**Opportunity Reference Code:** FDA-CFSAN-2024-0014

<b>Organization</b>	U.S. Food and Drug Administration (FDA)
<b>Reference Code</b>	FDA-CFSAN-2024-0014
<b>How to Apply</b>	<p>A complete application consists of:</p> <ul style="list-style-type: none"> <li>• An application</li> <li>• For this opportunity, an unofficial transcript or copy of the student academic records, such as a high school diploma, printed by the applicant or by academic advisors from internal institution systems may be submitted. Click <a href="#">here</a> for detailed information about acceptable transcripts.</li> <li>• A current resume/CV, including academic history, employment history, relevant experiences, and publication list</li> <li>• One educational or professional recommendation</li> </ul> <p>All documents must be in English or include an official English translation.</p> <p>If you have questions, send an email to <a href="mailto:ORISE.FDA.CFSAN@oraui.org">ORISE.FDA.CFSAN@oraui.org</a>. Please include the reference code for this opportunity in your email.</p>
<b>Application Deadline</b>	5/24/2024 3:00:00 PM Eastern Time Zone
<b>Description</b>	<p><b>*Applications will be reviewed on a rolling-basis.</b></p>

**FDA Office and Location:** Several research opportunities are available within the Food and Drug Administration (FDA) in The Center for Food Safety and Applied Nutrition (CFSAN), Office of Regulatory Science (ORS) located in College Park, Maryland.



The Center for Food Safety and Applied Nutrition, known as CFSAN, provides services to consumers, domestic and foreign industry and other outside groups regarding field programs; agency administrative tasks; scientific analysis and support; and policy, planning and handling of critical issues related to food, dietary supplements, and cosmetics.

**Research Project:** The selected applicants will be paired up with an experienced FDA research scientist who will guide the participant through a hands-on research training experience related to their STEM field of study.

**Learning Objectives:** The participant will receive training in the following areas during the specified period:

- The development and/or execution of sample preparation methods, such as sample homogenization, digestion and/or extraction procedures, for the analysis of complex foods, cosmetics, and/or dietary supplements.
- The development and/or execution of analytical methods such as, chromatographic (e.g. gas chromatography and liquid chromatography), mass spectrometric, spectroscopic,



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or immunoassay methods for the characterization of chemical composition and identification of potential contaminants, allergenic ingredients, nanoparticles, or unapproved compounds in foods, cosmetics, and/or dietary supplements.

- Conducting laboratory experiments to evaluate and validate the analytical procedures under study.
- Data analysis for the quantification of contaminants or unapproved compounds in foods, cosmetics, and/or dietary supplements.
- Preparation of scientific reports or manuscripts.

**Anticipated Start Date:** June 1, 2024.

**Appointment Length:** The appointment will initially be for 3 and a half months, but may be renewed upon recommendation of FDA and is contingent on the availability of funds.

**Level of Participation:** The appointment is full time.

**Citizenship Requirements:** This opportunity is available to U.S. citizens and Lawful Permanent Residents (LPR) only.

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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.

#### **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

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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** Eligible applicants will be currently completing their high school diploma/GED or enrolled to start an undergraduate program for fall 2024, and have an interest in at least one of the relevant disciplines.

**Eligibility Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** High School Diploma/GED received within the last 60 months or currently pursuing.
- **Academic Level(s):** K-12 Students or Undergraduate Students.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Life Health and Medical Sciences** (51 👁)
  - **Physics** (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.)

I have read the FDA Ethics Requirements.