

**Open ORISE Post-doctoral Fellowship at FDA**  
**Vacancy Job Title: Research Chemist**  
**Bedford Park, Illinois**

The FDA Moffett Research Center of the Institute for Food Safety and Health (IFSH) in Bedford Park, Illinois seeks a full-time PhD level scientist that is a highly motivated individual with experience in nanomaterials synthesis and characterization, materials science, and/or spectroscopy and microscopy techniques. The individual will lead research projects related to **nanotechnology-adapted food packaging and sensing in food systems**. This person will be appointed to an ORISE fellowship training position administered by Oak Ridge Associated Universities (<https://orise.orau.gov/fda/>). The fellowship does not include federal benefits.

**Position Location:** Bedford Park, Illinois

**Salary Range:** \$70K to \$85K, depending on degree level and experience

**Vacancy Job Title:** Research Chemist

**Desired start date:** January-February 2022

**Position Summary:** The trainee will design and carry out lab experiments and analyses to accomplish specific project goals in the area of food safety. The trainee will work in a chemistry laboratory leading a research project associated with nanosensors and nanotechnology-enabled food packaging. The trainee will plan and execute laboratory activities independently to achieve project goals, including data management, report writing, and presentation of research findings at scientific meetings. The trainee will interact with FDA staff scientists daily and gain significant experience with regulatory scientific processes and procedures.

**Responsibilities include, but are not limited to:**

- Develop research strategies, carry out laboratory experiments, and acquire data to support FDA/IFSH partnership initiatives
- Manage lab processes, supplies, instruments, and equipment
- Mentor IFSH graduate students
- Write reports and manuscripts
- Present research results to stakeholders and at scientific meetings

**Required Education and Experience:**

- Ph.D. in chemistry, materials science, nanoscience, or related field, preferred. M.S. holders with equivalent experience will be considered

**Required Skills:**

- Capability to perform scientific research efficiently with a minimal level of supervision
- Deep knowledge of materials science, analytical chemistry, spectroscopy, microscopy, and/or nanoscience
- Excellent technical writing skills and the ability to produce clear, accurate scientific manuscripts
- Good written and verbal interpersonal communication
- Experience with trace metal analysis, Raman spectroscopy and microscopy, or nanomaterial synthesis/characterization is especially desirable

**To apply for this position:** Please send email with cover letter and resume or CV to: [timothy.duncan@fda.hhs.gov](mailto:timothy.duncan@fda.hhs.gov). In your cover letter please include an anticipated availability date and the names and contact information of two potential references.