NANOTECHNOLOGY JOB OPPORTUNITY

Posting ID: E030616
Company: FDA

Job Title: Postdoctoral Fellow
Position Type: Research, Postdoctoral
College Major(s): Electrical and Computer Engineering
College Level(s): Postdoctoral

Company Website:
Work Location: FDA Jefferson Laboratory Complex
Salary: N/A
College Level(s): Postdoctoral

Nanotechnology Postdoctoral Fellow-FDA

Full details may be found here: https://www.zintellect.com/Posting/Details/1965

A research project opportunity is currently available at the U.S. Department of Health and Human Services, Food and Drug Administration (FDA), Office of Regulatory Affairs (ORA), Arkansas Regional Laboratory. The postdoctoral fellow will collaborate with multi-disciplinary research efforts within the NCTR/ORA Nanotechnology Core Facility. Collaborative and research activities may include:

- Development of hyphenated size-based separation techniques (e.g., asymmetric field flow fractionation, centrifugal field flow fractionation, capillary electrophoresis, liquid chromatography) using inductively coupled plasma/mass spectrometry (ICP/MS), MALS, DLS and optical absorbance detectors.

- Development of methods to detect nanoparticles in complex matrix using single particle mode ICP/MS

The fellowship is within the Nanotechnology Core Facility where the following analytical techniques will be used to support these research activities: inductively coupled plasma-mass spectrometry (ICP-MS), asymmetric field flow fractionation (AFFF), centrifugal field flow fractionation (CFFF), x-ray diffraction (XRD), particle size analysis (multiple methods including dynamic light scattering, photon cross correlation spectroscopy, and particle tracking analysis), spectroscopy (FTIR, UV/VIS, fluorescence, XRF, Raman), atomic force microscopy (AFM), high resolution mass spectrometry (HRMS), and electron microscopy with elemental analysis capabilities.

For additional information and to apply: https://www.zintellect.com/Posting/Details/1965