



Department of Health and Human Services (HHS)
Food and Drug Administration (FDA)
Center for Devices and Radiological Health (CDRH)
Office of Science and Engineering Laboratories (OSEL)

Position Title: Battery and Electrical Safety (Staff Fellow)

Location: Silver Spring, Maryland

Application Period: September 24, 2021 through October 24, 2021

Salary Range: \$87,198 - \$134,798 (commensurate with education and experience)

Position Information: Full-Time – appointment term of 3 years, with possibility of being extended.

Who may be considered: US Citizens; Permanent Residents; and Non-Citizens

Introduction: The Food and Drug Administration ([FDA](#) or Agency) is the regulatory, scientific, public health and consumer protection agency responsible for ensuring all human and animal drugs, medical devices, cosmetics, foods, food additives, drugs and medicated feeds for food producing animals, tobacco and radiation emitting devices safe, and effective. The mission of [CDRH](#) is to protect and promote the public health by performing essential public health tasks by making sure that medical devices and radiological health products are safe for people in the United States. [OSEL](#) is dedicated to promoting innovation for the development of new lifesaving medical devices. OSEL is composed of scientists and engineers who have a broad diversity of expertise from microbiology to artificial intelligence and machine learning. The Division of Biomedical Physics ([DBP](#)) within CDRH's OSEL, helps drive the FDA mission by performing best in the world regulatory science on the biophysical interactions between medical devices and the human body.

Position Summary: The DBP has an opening for a candidate with a strong background in battery construction, battery performance assessment, with experience in one or more of the following areas: laboratory experience collecting data preferably in the area of battery performance and safety; battery chemistries and failure modes; battery testing; safety testing of medical devices; and medical device safety standards (e.g. IEC 60601-1).

The position focuses on laboratory research, and policy or consulting support for reviews of new medical devices and analysis of device failures. The successful candidate will generate written technical and scientific documents for peer-reviewed publications and consulting support activities. Excellent speaking and writing skills in English are required.

Educational Requirements: Applicants must possess a M.S. or Ph.D. or equivalent degree in chemistry, engineering, physics, or a related scientific field. The applicant must be able to demonstrate mastery of principles and practices of Electrochemistry and battery safety with the ability to apply this to medical device safety. This will enable the staff fellow to serve as a technical authority in the scientific analysis of the safety and effectiveness of medical devices; provide an authoritative analysis of scientific data submitted to the Agency; and develop new and innovative approaches to scientific testing required for medical device reviews by FDA. Applicants who have completed part or all their education outside the US must have their foreign education evaluated by an accredited organization to ensure that the foreign education is comparable to education received in accredited educational institutions in the US. This evaluation must also be provided by midnight Eastern Time on the closing date of this vacancy announcement. For more information on Foreign Education verification, visit the U.S. Department of Education. Another listing of services that can perform this evaluation is available at the National Association of Credential Evaluation Services (NACES) website.

Qualifications: Please document knowledge, skills, and abilities relevant to each area described below:

- M.S. or Ph.D. from an accredited university in chemistry, engineering, physics, or a relevant scientific field.



- At least three years of experience planning and conducting laboratory and/or computational research in the field of electro chemistry and battery safety or performance.
- Experience reviewing, analyzing, and using scientific data or other information to advance product safety.
- Knowledge of the scientific principles and practices associated with safety engineering and evaluating battery safety and performance.
- Demonstrated ability to participate in and contribute to multi-disciplinary teams and work groups to resolve difficult or controversial research questions.
- Excellent scientific writing and communication skills.

How to Apply: Prior to applying, please see the following instructions:

- Documents to submit: electronic resume or curriculum vitae, cover letter describing why you are uniquely qualified for this, and copy of transcripts
- Compile all applicant documents into one combined document (i.e., Adobe PDF)
- Include Job Reference code “**2020-OSEL-DAM-007**” in the email subject line.
- Email applicant package to CDRH-OSEL-Opportunities@fda.hhs.gov.

Additional Announcement Information

- 1. Security and Background Requirements:** All candidates must meet applicable security requirements which include a background check and a minimum of 3 out of the past 5 years’ residency status in the US. If not previously completed, a background security investigation will be required for all appointees. Appointment will be subject to the applicant’s successful completion of a background security investigation and favorable adjudication. Failure to successfully meet these requirements may be grounds for appropriate personnel action. In addition, if hired, a background security reinvestigation or supplemental investigation may be required at a later time. Applicants are also advised that all information concerning qualifications is subject to investigation. False representation may be grounds for non-consideration, non-selection, or appropriate disciplinary action.
- 2. Benefits:** The Federal Government offers a comprehensive benefits package. Explore the major benefits offered to most Federal employees at <https://www.usa.gov/benefits-for-federal-employees>
- 3.** For more information about Office of Science and Engineering Laboratories (OSEL) at FDA/CDRH: <https://www.fda.gov/about-fda/cdrh-offices/office-science-and-engineering-laboratories>.
- 4.** Travel, transportation and relocation expenses **will not** be paid.