

Opportunity Title: Stem Cell and Electrophysiology Research Fellow -FDA

Opportunity Reference Code: FDA-CDRH-OSEL-DBP-2016-0054

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

Reference Code FDA-CDRH-OSEL-DBP-2016-0054

How to Apply 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
- Two educational or professional references

All documents must be in English or include an official English translation.

If you have questions, send an email to FDARpp@orau.org. Please include the reference code for this opportunity in your email.

Description A research opportunity is currently available at the U.S. Food and Drug Administration's (FDA) Center for Devices and Radiological Health (CDRH), Office of Science and Engineering Laboratories (OSEL)/Division of Biomedical Physics (DBP), in Silver Spring, MD.

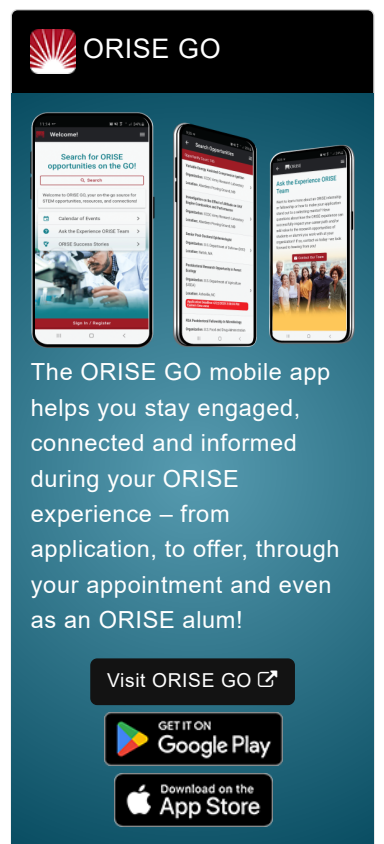
The overall aim of this research project is to assess the potential of human induced pluripotent stem cell-derived cardiac myocytes (iPSC-CMs) in prediction of patient-specific clinical response. The selected scientist will contribute to the design and development of automation hardware and software for high-throughput, laboratory instrumentation and use statistical methods to analyze data from electrophysiological assays to measure drug-induced effects in patient-specific iPSC-CMs and correlate them with individual clinical response.

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 the FDA. The initial appointment is full-time for twelve (12) months, but may be renewed upon recommendation of the 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 the FDA in the Silver Spring, Maryland area. Participants do not become employees of the FDA or the program administrator, and there are no fringe benefits paid.

The desired start date for this opportunity is April 1, 2016. For more information about these programs, visit


<http://www.fda.gov/MedicalDevices/ScienceandResearch/ResearchPrograms/ucm478355.htm>


Qualifications Applicants must have completed a master's or doctoral degree in biological sciences, biostatistics, computer science, or biomedical engineering received within the last five years. Hands-on analytical experience with database interface tools and languages such as R or SAS on large volumes


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of data is desirable.

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Master's Degree or Doctoral Degree.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Computer, Information, and Data Sciences** ([16](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([1](#))
 - **Life Health and Medical Sciences** ([45](#))
 - **Mathematics and Statistics** ([10](#))