



**Postdoctoral Fellow Opening
NanoScience Technology Center and the Department of Materials
Science & Engineering,
NanoBioSensors and Systems Lab
at the University of Central Florida, Orlando, FL**

The NanoBioSensors and Systems Lab at the University of Central Florida (Orlando, FL) invites applications for an immediate postdoctoral fellow opening in the development of cell-based biosensors. This position will support full time a vital partnership the Principal Investigator (PI) has established with an academic research group and a small company and will work on developing manufacturable micro/nanofabrication processes with emphasis on non-traditional fabrication approaches such as Screen Printing, Micromilling, 3D Printing, Laser Micromachining etc., toward the creation of cell-based biosensor arrays such as planar Microelectrode Arrays (MEAs), 3D MEAs and high-throughput MEAs to support the company's pioneering *in vitro* drug screening platforms.

About the Lab: The lab is dedicated to the advancement of the state of the art in biological micro/nanofabrication technologies. Our goal is to utilize our knowledge and expertise in micro/nanofabrication technologies and apply these techniques to develop devices for the advancement of human health and personalized medicine. We develop non-traditional (Polymer, Metal, Paper, Biomaterials etc.) micro/nanofabrication methods and platform technologies as well silicon and glass based traditional technologies. Research into packaging methodologies is complimentary to research into biological micro/nanofabrication and we work on novel packaging methodologies for the assembly of our biological devices. For more information about our lab please visit - <http://nanoscience.ucf.edu/rajaraman/>

Dr. Rajaraman has extensive industrial and academic experience in BioMEMS and nanobiosensors. He started at UCF in 2016 and now runs a lab of 11 full time and part-time students and staff.

What is needed from you: Ph.D. (Electrical, Mechanical, Biomedical Engineering or Chemistry and Physics potentially) from an accredited institution. Expertise in MEMS fabrication technology is essential, and experience with BioMEMS structures and materials will be useful. The candidate must be highly motivated, work hard on tight industrial timelines and ready to take on fabrication, characterization and instrumentation set up challenges as well as act as a mentor to graduate and undergraduate students.

Application: To apply, please send a single pdf file with your CV (including publications), copies of up to three relevant papers, contact information for three references, and a one-page cover letter to swaminathan.rajaraman@ucf.edu.

Appointment Timeline: This is a one-year appointment with the possibility of renewal. The start date is as soon as possible.



Benefits: Please visit UCF's HR page (<https://hr.ucf.edu/current-employees/>) for a review of benefits you will be eligible for as a UCF employee.

Location: The position is located in beautiful Orlando, Florida (<https://www.visitorlando.com>) offering yearlong sunshine, access to world class beaches and entertainment and very pleasant winters.

Further Contact: For more info please contact Dr. Rajaraman via email (swaminathan.rajaraman@ucf.edu) or by phone at 407-823-4339.