



**Postdoctoral Fellow Opening  
NanoScience Technology Center and the International Consortium for Advanced  
Manufacturing Research (iCAMR),  
NanoBioSensors and Systems Lab  
at the University of Central Florida**

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 be the main architect of a new lab 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 Microelectrode Arrays (MEAs), implantable shank probes, impedance arrays, microfluidic arrays, strain sensors, stretchable sensors etc.

**About the Lab:** Our group is new but Dr. Rajaraman has extensive industrial and academic experience in BioMEMS and nanobiosensors. 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/faculty/rajaraman.php>

**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 and ready to take on fabrication, characterization and instrumentation set up challenges as well as act as a mentor to new graduate and undergraduate students.

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](mailto:swaminathan.rajaraman@ucf.edu). This is a one-year appointment with the possibility of renewal.

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