Postdoctoral Research Opportunity at NIST (USA)

We are developing physical measurement tools and methods for electronic-based manipulation and measurements of cells and their environment in well-controlled microsystems. This research opportunity focuses on the design, fabrication, and assessment of new micro/nanoelectronic devices and materials for their use in applications such as tissue on a chip, cell-cell communications, and advanced health care diagnostics. Our competencies are within the areas of electrokinetic manipulation of cells and other bioparticles in lab-on-a-chip based devices, and using a variety of microscopic techniques such as epifluorescence, confocal, TIRF, and AFM for validation. The electronic manipulation and measurement devices being developed in this project include, among others, dielectrophoresis devices, electromechanical actuators, and biosensors.

The compensation is between $50,000 to $52,000.  From the stipend the postdoc will need to pay income taxes and health insurance.  The prefer starting date is September 1, 2018, but a later date can be arranged.

To learn more about this opportunity contact Dr. Darwin R. Reyes at darwin.reyes@nist.gov and micronano.loc@gmail.com.