Postdoctoral researcher position in nanofluidics and DNA sensing

Applications are invited for a postdoctoral position in nanofluidics and DNA sensing available in Dr. Chao Wang’s lab at Arizona State University, starting in January 2016. The successful applicant for the position will join a highly motivated multidisciplinary team and work on novel nanofluidic architectures that will manipulate and detect DNA at single molecule level and at a high sensitivity. The successful applicant is expected to leverage the various nanofabrication and characterization resources available at ASU to study cutting-edge nanofluidic technologies.

At the time of appointment, candidates must have a PhD in nanoscience, electrical engineering, or a related/equivalent field. Prior experience in nanomanufacturing (electron beam lithography, nanoimprint lithography, TEM, etc.) is strongly preferred but not required. Successful candidates are expected to conduct independent research with minimal supervision, publish technical papers in top-tier journals, and present their research work in conferences and project review meetings.

Appointments will be for one year with renewal based on performance. Salary of the position is competitive. Please send a CV and contact information for three references to wangch@asu.edu. Screening of applicants will begin immediately and continue until the positions are filled.

Please refer to http://faculty.engineering.asu.edu/wangch/ for updated information.

**ASU NanoFab**: This user facility offers state-of-the-art device processing and characterization tools, and is supported by knowledgeable technical staff. For this project, the ASU NanoFab will be used for the fabrication of the designed devices. The nanofabrication facilities include: 4000 sq. ft. C100/M3.5 clean room with Si-MOS IC processing capabilities, GCA 850 stepper, JEOL 6300FS (field emission) electron beam lithography system, and Hitachi S4700 FESEM. Conventional process capabilities include furnaces, photolithography, dielectric deposition, metal deposition (sputtering and evaporation), rapid thermal annealing, and metrology tools.

**LeRoy Eyring Center for Solid State Science**: This center is the primary materials characterization user facility at ASU, and the Center’s instruments are available to the entire ASU research community and to government and industrial users. The facilities—which include all of the equipment for carrying out cutting-edge materials science—are supported by a dedicated staff with a commitment to client engagement. Tools available at the Center include JEOL JEM 2000FX TEM, JEOL 4000EX for 400keV lattice imaging, Philips CM200 for holographic imaging of nanoscale fields, an environmental SEM (FEI), Raman spectroscopy, variable-angle spectroscopic ellipsometry and profilometry.