The Advanced Microfluidics and Microdevices Laboratory (AMML) in the Division of Engineering at New York University Abu Dhabi (NYUAD) is inviting applications for fully-funded Postdoctoral positions starting September 1st 2014.

The AMML is working with various aspects of miniaturization and integration in biology, life sciences, and medicine, which includes the conception, engineering and utilization of novel micro and nanotechnologies to manipulate, stimulate and study biological objects. Specifically, the group is active in developing: (i) microfluidic multipole arrays and their applications for biological studies, (ii) lab-on-a-chip devices for cell biology and low-cost point-of-care diagnostics, and (iii) bio-MEMS devices for tactile sensing.

Candidates must hold (or be close to completing) a Ph.D. in Bioengineering, Mechanical Engineering, Chemical Engineering, or a related field. The ideal candidate will have a strong publication record, a background in microfabrications, microfluidics, lab on a chip devices, BioMEMS, and experience with experimental microfluidics, live cell imaging, and related cell-based assays, and experience with computational fluid dynamics packages such as Comsol.

New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complemented by a network of over 15 research and study away sites across five continents. Faculty and students will circulate within the network in pursuit of common research interests and cross-cultural, interdisciplinary endeavors, both local and global.

Entering its fifth year, NYU Abu Dhabi has recruited a cohort of faculty who are at once distinguished in their research and teaching. Our students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi’s highly selective liberal arts enterprise is complemented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

The appointment starting date is September 1st 2014 and applications will be considered on a rolling basis. Applicants must submit a cover letter, curriculum vitae with full publication list, a statement of research interests, and recommendation letters from three referees to: mohammad.qasaimeh@nyu.edu

The terms of employment include competitive salary, housing, and other benefits. Please note that UAE does not levy income tax.

NYU Abu Dhabi is an Equal Opportunity/Affirmative Action Employer.