The division of Engineering at New York University Abu Dhabi (NYUAD) invites applications for a fully funded postdoctoral position in Nanoscale Science and Engineering. Applicants with backgrounds in fabrication and characterization of thin films, nanomaterials, and NEMS/MEMS devices are encouraged to apply.

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, complimented by a network of eleven research and study-away sites across five continents. Faculty and students will circulate within this global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems 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.

NYUAD engineering division is currently inviting applications for a postdoctoral fellowship in Nanoscale Science and Engineering in the laboratory of Prof. Ramesh Jagannathan. The research projects are highly interdisciplinary, including synthesis of nanomaterials using supercritical fluid technology, development of hierarchically porous materials for tissue engineering applications, nanomedicine, fabrication of metal/semiconductor nanostructures, optoelectronic applications of nanomaterials, and molecular modeling of nanoclusters. For details about our research, please visit our webpage at: https://nyuad.nyu.edu/en/research/faculty-research/nanoscale-lab.html. For details about the research infrastructure and support at NYUAD, please visit: https://nyuad.nyu.edu/en/research/infrastructure-and-support/core-technology-platforms.html.

Candidate must hold a Ph. D. degree in Chemical Engineering or a related subject including but not limited to Materials Science and Engineering, Bioengineering, Surface and Colloid Science, Physical Chemistry, and Polymer Science. She/he must have demonstrated skills in the design of experiments, and preferably, a “hands on” experience working with high pressure or vacuum-based equipment. She/he must have experience in one or more of the following characterization techniques: Scanning Electron Microscopy, Confocal Microscopy, X-ray diffraction, Raman Spectroscopy, Atomic Force Microscopy, X-ray Photoelectron Spectroscopy. Experience in design and fabrication of high pressure equipment would be a plus. Knowledge in several of the following research topics is preferred: supercritical fluids technology, thermal de-wetting in nanoscale metallic films, tissue engineering, nanomedicine, NEMS/MEMS, molecular dynamics and simulations of interfacial phenomena.

The appointment starting date is May 15, 2015 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. For instructions and information on how to apply, please visit our website at http://nyuad.nyu.edu/en/about/careers/faculty-positions.html. If you have any questions, please e-mail nyuad.engineering@nyu.edu.

The terms of employment include competitive salary, an annual travel stipend, medical and dental insurance, housing, and other benefits.

NYU Abu Dhabi is an Equal Opportunity/Affirmative Action Employer