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**Prabhas Moghe, PhD,**  
Rutgers, The State University of  
New Jersey,  
Department of Biomedical Engineering

### Bioactive Materials Aimed at the Ground Zero of Atherosclerosis

Atherosclerosis, or the uncontrolled accumulation of oxidized low-density lipoproteins (LDL) in blood vessels, is a central cause of cardiovascular diseases and the ever-increasing risk of adult mortality, and the subsequent rise in healthcare costs. Dr. Prabhas Moghe and his collaborators and team of researchers have been investigating potential nanoscale biomaterials to combat acute coronary syndromes by inhibiting cholesterol buildup and the resulting inflammation.

At the [\*\*NJ Symposium on Biomaterials Science\*\*](#) on **November 9, 2015**, you will learn about the development of novel *nanolipoblockers (NLBs)* that can systematically and thereby reduce the potential for atherosclerosis.

Dr. Prabhas Moghe was appointed as the Research Director for the Rutgers Engineering-Biomedical Sciences Alliances and Partnerships. He is a Distinguished Professor of Biomedical Engineering and Chemical & Biochemical Engineering at Rutgers. Dr. Moghe's research has focused on the investigation and development of novel cell-interactive interfaces with synthetic biomaterials. In addition to his studies on

nanolipoblockers (in collaboration with Kathryn Urich), he and his coworkers have developed an innovative nanoprobe to image and observe cancer metastases, and have created bioactive constructs for preserving and transplanting reprogrammed neurons to combat neurodegenerative diseases.

Dr. Moghe has been the recipient of many awards and fellowships including being elected a Fellow of Biomedical Engineering Society (BMES), Fellow of the International Society of Biomaterials Science and Engineering (FBSE), a Fellow of American Institute of Biological and Medical Engineering (AIMBE). In addition to all of his accolades, he is an author of nearly 100 journal publications and 15 patent filings. He has directed numerous government funded research teams pertaining to nanomedicine, stem cell engineering and other biomaterials. He also directed two NSF IGERT programs for training of over 60 PhD scientists on biointerfaces (2003-2012) and stem cell science and engineering (2008-15).

By attending the [\*\*NJ Symposium on Biomaterials Science\*\*](#) on **November 9, 2015**, you will hear from an expert in novel biomaterials solutions that expand the toolbox of biomedical science, and help to lead to new therapies.

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