

“North Carolina Biomedical Engineering: Overview and Research”

Date: December 5 , 2014 (Fri)

Time: Noon to 1pm

Speaker: Dr. Nancy Allbritton

**Professor and Chair of Biomedical
Engineering – Distinguished
Professor of Chemistry**



Dr. Nancy Allbritton

Dr. Allbritton obtained her B.S. in physics from Louisiana State University, her Ph.D. in Medical Physics/Medical Engineering from the Massachusetts Institute of Technology, and her M.D. from the Johns Hopkins University. Upon completion of a postdoctoral fellowship in cell biology at Stanford University, she joined the faculty of the University of California at Irvine in 1994 where she held joint appointments in the Departments of Physiology and Biophysics, Biomedical Engineering, Chemistry, and Chemical Engineering & Materials Science. She has received multiple awards including a Beckman Young Investigator Award, and a Searle Scholar Award and is a Fellow in the American Institute for Medical & Biological Engineering. She joined the University of North Carolina at Chapel Hill (UNC) as the Debreczeny Distinguished Professor in the Department of Chemistry in July, 2007 followed by a joint appointment with the School of Medicine in the Department of Pharmacology. In 2009, she was appointed Professor and Chair of the Department of Biomedical Engineering, a joint department between the College of Engineering at North Carolina State University, and School of Medicine and College of Arts and Sciences at UNC.

Dr. Allbritton's research studies are directed at the development of new technologies by bringing to bear methods from engineering, chemistry, physics and biology to address biomedical problems. This research program has been heavily funded by the National Institutes of Health with over \$40 million in grant funding since 1994. Dr. Allbritton is the scientific founder of two companies, Protein Simple and Cell Microsystems, and has 10 issued patents with over 20 more pending.

Short abstract of the presentation

Dr. Allbritton will present an overview of the Joint Department of Biomedical Engineering at the University of North Carolina and North Carolina State University. She will review the research focus areas in the Department as well as the specific research interests of faculty. Dr. Allbritton will also touch on the educational and entrepreneurial successes within the Department. The goal will be to identify potential synergies that can be developed with Nagoya University.

Venue

Tsurumai Campus: Central Consultation Building 7F Special Conference room

Higashiyama Campus: IB Building South No.462 Seminar room

"Nagoya University BME: highlight of researches and areas of potential collaborations"

Date:	November 7, 2014 (Fri)
Time:	Noon to 1pm
Speaker:	Seiichi Matsuo, M.D., Ph.D.
	Vice President, Nagoya University Professor, Department of Nephrology Graduate School of Medicine, Nagoya University



Seiichi Matsuo, M.D., Ph.D.

Since 2011, Dr. Matsuo is Director of Center for Preventive Medical Engineering (PME) at Nagoya University, where researchers from diverse disciplines, in cooperation with various industries, work together at to develop new innovative approaches to complicated issues in the field of preventive medicine and beyond. Dr. Matsuo is also Vice President of Nagoya University and Director of Headquarters for Industry-Academia-Government collaboration. He directly reports to the President of Nagoya University on strategic planning and management of collaborations with academia and industry. During his tenure as Director of Nagoya University Hospital from 2007 to 2013, he took a strong leadership to managerial and operational reforms at the Hospital, which led to the great enhancement operational efficiency and quality of the services. His efforts is responsible for the drastic increase of NU Hospital revenue from \$213M in 2007 to \$337M in 2013. Dr. Matsuo is professor at Department of Nephrology of Nagoya University Graduate School of Medicine and has published numerous world renowned articles. He currently serves as the President of Japanese Society of Nephrology.

Abstract

Dr. Matsuo will share a current land scape of Japanese BME and introduce overview of Nagoya University's BME program, including specific research topics and area of the potential collaborations with UNC/NCSU BME. He also provides examples of successful research fruits and applications to actual patients.

About Nagoya University

NU is the home to four Nobel Prizes and Blue LED. Originally established as a temporary hospital and medical school in 1871, Nagoya University (NU) has actively evolved and adapted to meet changing societal needs. Currently 1,700 faculty members teach 17,000 students, including 1,700 international students, and 3,600 administrative staff work for NU. NU has 14 Graduate Schools and 9 Schools.

Presented from: 321 MacNider (UNC)

**Teleconferenced to: 4142 Engineering Building III (NC State)
& East Carolina University (ECU)**