

# SMART

Singapore-MIT Alliance for Research and Technology

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BioSym  
BIOSYSTEMS AND MICROMECHANICS



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## Prof. STEPHEN SMITH

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*Presents*

## BIOMEDICAL RESEARCH LANDSCAPE IN NTU

### ABSTRACT

“A New Biology for the 21st Century” by the National Research Council in USA and “Education of Health Professionals for the 21st Century”, by a Global Independent Commission for the Lancet; has addressed fundamental questions on the future of the biological sciences and on the teaching and research of medical sciences as they relate to healthcare needs of individuals as well as societies. Incorporation of systems biology will lead to a 21st Century New Medicine, variously described as Personalized or Stratified Medicine. Stratified Medicine, advocating the goal of delivering the right healthcare choices to the right person and at the right time, will transform our current models of healthcare and the new school will address this problem.

A second pillar of the new school will be a focus on the application of technology to medical problems. The Nanyang Institute of Health and Technology in Medicine (NITHM) will umbrella the already flourishing developments with the engineering and science schools in NTU especially in the fields of nanomedicine, therapeutic and diagnostic devices and sensors, imaging and synthetic biology.

**Location:** CREATE Seminar Room  
Level 2, Tower Block  
1 CREATE Way, Singapore 138602

**Date:** Wed 27  
February, 2013

**Time:** 2:30 PM

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