

PROVOST'S LECTURE SERIES



Mechanotransduction in Endothelial Cells in Health and Disease

THURSDAY, MAY 28, 2015 ★ 11 AM

Charles B. Wang Center Theatre



Shu Chien

Shu Chien, MD, PhD, is a professor of bioengineering and medicine at the University of California, San Diego; director of UCSD's Institute of Engineering in Medicine; and director of the Bioengineering Institute of California. He is a world leader in molecular, cellular and integrative studies on bioengineering and physiology in health and disease, with research focuses on mechanotransduction, mechanism of regulation of gene expression, and stem cell bioengineering. Dr. Chien is a member of the National Academy of Sciences, National Academy of Engineering, Institute of Medicine and American Academy of Arts and Sciences. In 2011 President Obama presented him with the National Medal of Science, the country's highest honor for scientists and engineers.

Dr. Chien's lecture will focus on how experimental studies on microRNAs *in vitro* and *in vivo*, in combination with the *in silico* approaches in systems biology, provide new insights on the mechanism of the fine tuning of gene regulation and cellular function in response to differential flow patterns in health and disease.

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