

Invited Speaker

Shu Chien

*Professor, Departments of
Bioengineering and Medicine, University
of California, San Diego, USA*



Shu Chien received his medical degree from National Taiwan University, Taiwan and his Ph.D. in Physiology from Columbia University, USA. He was a faculty member at the Department of Physiology in Columbia until 1988, when he joined the University of California, San Diego as University Professor, Y. C. Fung Professor of Bioengineering and Medicine, and Director of the Institute of Engineering in Medicine. Chien has made seminal contributions towards advancing the integrative approach of research at the interface of biology, medicine and engineering. His primary areas of research are cardiovascular regulation, molecular and cellular bioengineering and endothelial cell mechanotransduction. He is the author of over 500 peer-reviewed scientific articles and the editor of 11 books. Chien has received numerous awards and honors, including the Melville Medal (twice), Poiseuille Medal and Founders Award of the National Academy of Engineering. He was selected as Asian American Engineer of the Year (2005), Lee Kuan Yew Distinguished Visitor (2008) and a recipient of Taiwan's Presidential Science Prize (2009). He has received several Honorary Doctoral Degrees and is Honorary Professor at many universities. Chien has been the President of the American Physiological Society, Microcirculatory Society, International Society of Biorheology and Biomedical Engineering Society, as well as the Federation of American Societies of Experimental Biology and the American Institute of Medical and Biological Engineering. He is a Member of all three U. S. National Academies (National Academy of Sciences, National Academy of Engineering and Institute of Medicine), as well as the American Academy of Arts and Sciences. He is also a Member of Academia Sinica in Taiwan and a Foreign Member of the Chinese Academy of Sciences in Beijing.