

# NANO KOREA 2020

## July 1~3, KINTEX, Korea

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Prof. Luke P. Lee received both his BA in Biophysics and PhD in Applied Physics and Bioengineering from UC Berkeley. He joined the faculty at the UC Berkeley in 1999 after more than a decade of industry experience. He became the Lester John and Lynne Dewar Lloyd Distinguished Professor of Bioengineering in 2005. He also served as the Chair Professor in Systems Nanobiology at the ETH Zürich from 2006 to 2007. He became Arnold and Barbara Silverman Distinguished Professor at Berkeley in 2010. He founded the Biomedical Institute for Global Healthcare Research & Technology (BIGHEART) and served as Associate President (International Research and Innovation) and Tan Chin Tuan Centennial Professor at the National University of Singapore from 2016 to 2018. He is the founding director of Institute for Quantum Biophysics, Sungkyunkwan University, Korea. He is a Fellow of the Royal Society of Chemistry and the American Institute of Medical and Biological Engineering. His work at the interface of biological, physical, and engineering sciences for medicine has been recognized by many honors including the IEEE William J. Morlock Award, NSF Career Award, Fulbright Scholar Award, and the HoAm Prize. Lee has over 350 peer-reviewed publications and over 60 international patents filed. His current research interests are quantum biological electron tunneling (QBET) in living organisms, integrated smart optical system (iSOS) for the early detection of infectious diseases, cancer, and neurodegenerative diseases, and in vitro neurogenesis, and solving ill-defined problems of global healthcare.