

## Plenary Speakers



**Dr. Aydogan Ozcan** is the Chancellor's Professor and the Volgenau Chair for Engineering Innovation at UCLA and an HHMI Professor with the Howard Hughes Medical Institute. He is also the Associate Director of the California NanoSystems Institute. Dr. Ozcan is elected Fellow of the National Academy of Inventors (NAI) and holds >60 issued/granted patents in microscopy, holography, computational imaging, sensing, mobile diagnostics, nonlinear optics and fiber-optics, and is also the author of one book and the co-author of >1000 peer-reviewed publications in leading scientific journals/conferences. Dr. Ozcan received major awards, including the Presidential Early Career Award for Scientists and Engineers (PECASE), International Commission for Optics ICO Prize, Dennis Gabor Award (SPIE), Joseph Fraunhofer Award & Robert M. Burley Prize (Optica), SPIE Biophotonics Technology

Innovator Award, Rahmi Koc Science Medal, SPIE Early Career Achievement Award, Army Young Investigator Award, NSF CAREER Award, NIH Director's New Innovator Award, Navy Young Investigator Award, IEEE Photonics Society Young Investigator Award and Distinguished Lecturer Award, National Geographic Emerging Explorer Award, National Academy of Engineering The Grainger Foundation Frontiers of Engineering Award and MIT's TR35 Award for his seminal contributions to computational imaging, sensing and diagnostics. Dr. Ozcan is elected Fellow of Optica, AAAS, SPIE, IEEE, AIMBE, RSC, APS and the Guggenheim Foundation, and is a Lifetime Fellow Member of Optica, NAI, AAAS, and SPIE. Dr. Ozcan is also listed as a Highly Cited Researcher by Web of Science, Clarivate.



**Tae Seok Seo** is a professor of Department of Chemical Engineering, Kyung Hee University, South Korea. He received his BS, MS, and PhD degree from Seoul National Univ. (South Korea), KAIST (South Korea), Columbia University (USA) and finished his post-doctoral fellowship at UC Berkeley. His current research interests are centered on microfluidic-based lab-on-a-chip, integrated biosensors, genomic technology, on-chip nanomaterial synthesis, and nanobiotechnology. He holds 133 papers, 50 patents, 8 technology transfers, and 17 awards.



**Professor Suna Timur** is a distinguished biochemist and biotechnologist who works at Ege University in Türkiye. She is the director of the Suna Timur Research Group, which focuses on developing novel biosensors, nanomaterials, and drug delivery systems for various applications. She has published more than 250 articles in peer-reviewed journals and has received several prestigious awards and honors for her outstanding contributions to science. Prof. Suna Timur is also an active member of several national and international scientific societies and committees. She is a reviewer and editor for many reputable journals in her field. She is passionate about teaching and mentoring young researchers and students. She is a role model for many aspiring scientists, especially women, who want to pursue a career in biochemistry and biotechnology.



**Dr Ali Yetisen** is a Senior Lecturer and Associate Professor in the Department of Chemical Engineering at Imperial College London. He holds a PhD degree in Chemical Engineering (Biotechnology) from the University of Cambridge. He has worked as a Tosteson Fellow at Harvard University and Massachusetts General Hospital. Dr Yetisen has been awarded several international prizes including IChemE Nicklin Medal, Birmingham Fellowship, and Alexander von Humboldt Fellowship. He is a Fellow of the Royal Society of Chemistry, the Institute of Physics, the Institution of Chemical Engineers, and the Institution of Engineering and Technology. Dr Yetisen has been the driving force for the establishment of eight startup companies.

### Invited Speakers



**Professor Lee** currently holds the position of Associate professor at the Department of Biomedical Engineering and Environmental Sciences, National Tsing Hua University. Dr. I Chi Lee received her Ph.D. from the Department of Biomedical Engineering, National Taiwan University in 2007. She then worked as a postdoctoral research fellow at the genomics research center, Academia Sinica in Taiwan, and, subsequently, served as Assistant Professor, Associate Professor, and Professor at the Graduate Institute of Biomedical Engineering, Chang Gung University. Her research focuses on biomaterials, tissue engineering, drug delivery, and organ on chip. She has published over 50 peer-reviewed articles and one book (ISBN: 978-1-63485-878-6) and has received several important research awards in Taiwan, including Ta-You Wu Memorial award in 2018. Recently, her efforts have been directed towards translating knowledge on fabricating organ-on-chip and *in vitro* models using 3D bioprinting. The development of these *in vitro* models holds great potential

for advancing precision medicine, personalized medicine, and reducing reliance on animal experimentation.



**Nadnudda Rodthongkum**, Ph.D. (*h*-index: 29, Citations: 2,752) is a research professor and deputy director at Metallurgy and Materials Science Research Institute, Chulalongkorn University. She obtained her Ph.D. in chemistry from University of Massachusetts, Amherst, USA. Also, she worked at Abbott Bioresearch Center, Worcester, MA, USA for 1 year in bioanalytical research group. Her current research focus is design and synthesis of new materials for enhanced analytical performances of chemical sensor and laser desorption ionization mass spectrometric (LDI-MS) detection.