SESSION LECTURE

No. 3

Virtual Human – Imaging Across Scales

Room: 307B

Co-Chairs: Zhijie Liu

Raymond Stevens

Day 1 October 27th (Saturday) 13:30 – 17:00		
Time	**Speaker**	**Title**
13:30-14:00	**Raymond Stevens** *iHuman Institute, ShanghaiTech University, China*	A new approach towards diabetes drug discovery
14:00-14:30	**Qiang Zhang** *United Imaging Healthcare Co., Ltd. China*	New Breakthroughs in Molecular Imaging Methods
14:30-15:00	**Garth Thompson** *iHuman Institute, ShanghaiTech University, China*	Separating neural communication from other mechanisms within functional connectivity in the brain at rest
15:00-15:30	**Tea Break**	
15:30-16:00	**Eric Fung Chen** *Thermo Fisher Scientific, China*	New Applications of Cryo Electron Microscopy for Neurobiology
16:00-16:30	**Wenqing Shui** *iHuman Institute, ShanghaiTech University, China*	Profiling the region-specific GPCRome in the mouse brain
16:30-17:00	**Guisheng Zhong** *iHuman Institute, ShanghaiTech University, China*	A novel cytoskeleton structure revealed by super-resolution fluorescence imaging

Raymond Stevens

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Raymond C. Stevens (born 1963) is an American chemist and structural biologist, Director of the iHuman Institute, ShanghaiTech University and Provost Professor of Biological Sciences and Chemistry, and Director of the Bridge Institute at the University of Southern California. Dr. Stevens' lab focuses on studying the structure and function of G protein couple receptors and the drug discovery targeting on GPCRs

Garth Thompson

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Research Associate Professor, iHuman Institute, ShanghaiTech University, Shanghai, China. Dr. Thompson's laboratory uses magnetic resonance imaging to link large scale brain function to brain metabolism and neuromodulation.

Wenqing Shui

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Dr. Wenqing Shui graduated from Fudan University (Shanghai, China) with a master degree and received Ph.D. at University of California, Berkeley. She joined iHuman Institute at ShanghaiTech University in 2016 as Research Associate Professor (PI). Her research group explores various proteomics and metabolomics techniques for research centering the GPCR superfamily. Her lab has built multiple mass spectrometry-based platforms for three specific directions: 1) high-throughput screening of GPCR modulators, 2) characterizing structural dynamics of GPCR complexes, and 3) profiling the brain GPCRome related to neurological diseases.

Qiang Zhang

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Co-President of the United Imaging Healthcare Co., Ltd. in Shanghai, China. (UIH). Dr. Zhang focuses on R&D of medical imaging devices and research collaborations between industry and academia and clinical institutes.

Eric Fung Chen

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Business Development Director at Thermo Fisher Electron Microscopy Business for Life Sciences. Responsible for Cryo-Electron business and market development with extensive experience and interests in applications covering live cell imaging, single molecule, electrophysiology, optogenetics, and high resolution fluorescence and electron microscopy.

Guisheng Zhong

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Professor in Cellular Imaging at iHuman Institute and School of Life Science and Technology, ShanghaiTech University. Dr. Zhong's lab focuses on studying the structure and function of cellular cytoskeletons and GPCRs and the molecular mechanism of hearing.