Session 1: ZJU-UoE Forum (BioMed-X)

Theme: Facing the scientific problems in the field of people's life and health, discussing the advanced interdisciplinary technologies of Biomedicine and Engineering.

Introduction: ZJU-UoE forum speakers include academicians, senior scientists and young scientists from University of Cambridge, University of Edinburgh, Wellcome Sanger Institute, Zhejiang University - University of Edinburgh Institute, Zhejiang University School of Medicine and College of Life Sciences, Zhejiang University. The researchers carried out research progress reports and academic exchanges on the topics of infection immunity and cancer, subcellular biology and cell technology, structural biology and bioinformatics, regeneration and stem cell therapy. Scientific researchers enthusiastically share the mysteries of science, jointly explore the integration of biomedical and engineering knowledge, explore the application prospects of human functional cells, and promote scientific cooperation and biotechnology development.

- Chair: XU Suhong
- Co-chair: LIU Wanlu, CHEN Di
- Date: January 5, 2023

Time	Topic	Speaker
13:30-13:35	Opening Speech	Prof. KE Yuehai ZJU-UoE Institute
13:35-14:00	Sustainable Agriculture - From Genes to Crops	Prof. James Michael Whelan College of Life Sciences, Zhejiang University
14:00-14:20	Intracellular heme transport	Prof. CHEN Caiyong College of Life Sciences, Zhejiang University
14:20-14:40	Understanding how abnormal CSNK1D signalling promotes cell proliferation in cancer	Prof. Kuan Yoow Chan ZJU-UoE Institute
14:40-15:00	Cranial suture dissection and reconstruction in Craniosynostosis	Prof. YUAN Yuan ZJU-UoE Institute
15:00-15:20	Multiscale Computational Integrative Structural Biology	Prof. WANG Yong College of Life Sciences, Zhejiang University
15:20-15:40	Decoding and bionic reconstruction of tendon bone	Prof. YIN Zi Zhejiang University School of Medicine
15:40-16:00	Targeted dephosphorylation in tumor vein thrombosis	Prof. KE Yuehai ZJU-UoE Institute
16:00-16:20	Mapping noncoding regulation in populations	Prof. Rob Young The University of Edinburgh
16:20-16:40	TBD	Prof. Richard Sloan The University of Edinburgh
16:40-17:00	Developing single objective light sheet microscope and nano-delivery and injection technology to study the innate immune system activation in neurodegenerative disease	Prof. LI Bing University of Cambridge
17:00-17:30	Archaeal origins of eukaryotic cell organisation and the cell division cycle	Prof. Buzz Baum University of Cambridge
17:30-18:00	JAK/STAT signalling, stem cell subversion and blood cancers	Prof. Tony Green University of Cambridge
18:00-18:30	Massively parallel mapping of allosteric sites	Prof. Ben Lehner Wellcome Sanger Institute