



TSIGS-UT Joint Workshop

on Biomedical and Health Engineering

Date: Wednesday, 04. 12. 2019 **Location:** Room A317, A building, TSIGS

**remark: 20 minutes lecture time includes 15minutes presentation and 5 minutes Q&A session*

Time	Agenda
09:00-09:20	Opening remark (5 minutes) Introduction to Shenzhen International Graduate School by Prof. XING Xinhui
09:20-09:35	Introduction to University of Tokyo and Department of Bioengineering by Prof. TABATA Hitoshi
09:35-09:55	<i>Optical coherence tomography and its biomedical application</i> by Prof. HE Yonghong , from TSIGS
09:55-10:15	<i>BIOxie Electronics – Magnon for Neuromorphic Application</i> by Prof. TABATA Hitoshi , from University of Tokyo
10:15-10:30	<i>BREAK</i>
10:30-10:50	Integrated Biological Engineering Platform for Biomanufacturing and Health Engineering by Prof. XING Xinhui
10:50-11:10	Stem cell niches for tissue/organ regeneration by Prof. WU Yaojiong , from TSIGS
11:10-11:30	Toward physiological cell-based tissue/organ models by Prof. SAKAI Yssuyuiki , from University of Tokyo
11:30-11:50	Drug discovery platforms utilizing mammalian cell fate signaling by Prof. KAWAHARA Masahiro , from University of Tokyo
11:50-13:50	<i>LUNCH TIME</i>
13:50-14:20	Lab visiting (Oncotherapeutics)
14:30-14:50	Nanostructure/Nanomaterials Based Optical Biosensor by Prof. SUN Shuqing , from TSIGS
14:50-15:10	Fluorescence Sensor Array for Discrimination of Urine Proteins and Diagnosis of Urinary System Diseases by Prof. TAN Chunyan , from TSIGS
15:10-15:30	Re-engineering Enzyme by Chemical Approaches by Prof. GE Jun , from TSIGS
15:30-17:00	Discussion on future cooperation
17:00-19:00	Dinner at Qilin Villa