

(5 June) Advanced Seminar in Orthopaedic Research

PROGRAM RUNDOWN

Time	Topic	Speaker
14:45 - 14:55	Registration/Check-in for participants	
14:55 - 15:00	Opening Speech	Dr John HONIBALL
15:00 - 15:10	Understanding the progression of metallosis in skeletal muscle cells for therapeutic intervention 4 mins Q&A	FENG Shuang
15:10 - 15:20	Self-Supervised LiDAR-Camera Fusion with JEPA for Label-Efficient 3D Perception in Medical Robotics 4 mins Q&A	CHEN Tianjie
15:20 - 15:30	Preliminary Single Cell Transcriptomic Analysis of Degenerative Cervical Myelopathy in Rats: Unveiling the Microenvironment and Fate Trajectory of Injected Therapeutic Cells 4 mins Q&A	YANG Shijie
15:30 - 15:40	An ultrasound-responsive nitric oxide nanoplatform for biofilm eradication of vulvovaginal candidiasis 4 mins Q&A	CHEN Fenbei
15:40 - 15:50	Prediction of Osteoporotic Vertebral Compression Fracture using Phantom-less Quantitative Abdominal CT 4 mins Q&A	WU Jianjun
15:50 - 16:00	Afternoon Break (Drinks and snacks served outside the Lecture Theatre)	
16:00 - 16:10	Patellar Resurfacing Is Associated with Lower Revision Risk After Primary Total Knee Arthroplasty in Robotic-Assisted Surgery: A Multicenter Cohort Study 4 mins Q&A	CHANG Xinyue
16:10 - 16:20	Antibody-Conjugated Barium Titanate Nanoparticles Targeting Solid Tumours 4 mins Q&A	WU Jiaying
16:20 - 16:30	Full range dose Phantom-less Quantitative CT Model for Bone Mineral Density Measurement 4 mins Q&A	HUANG Mian
16:30 - 16:40	HumpFree™ - Surgical Planning System 4 mins Q&A	GULDENIZ Ogulcan
16:40 - 16:45	Closing Remarks	
16:45 - 17:00	e-Poster Award(s) Presentation/ Photo Session	