



Infection and Immune Regulation in Metabolism, Aging, and Cancer

Organized by School of Basic Medical Sciences, ZJU

Date: 18th-19th March 2019

Zhejiang University
National University of Singapore

Auditorium Hall, Research Building, School of Medicine, Zijingang Campus, Zhejiang University



Day One: Monday, 18th March 2019

08:30-08:55	Arrival of Guests, Registration, and Group Photo
09:00-09:30	Welcome & Opening Address - Chair: WANG Di, Institute of Immunology, ZJU KE Yuehai, MACARY Paul, Wang Qingqing, TAN Shyong Wei, Kevin
Keynote Speech	
09:30-10:00	The Age of Aging: Can We Intervene? KENNEDY Brian, Department of Biochemistry, NUS
10:00-10:30	Thymic-specific regulation of TCR signaling by Tespa1 LU Linrong, Institute of Immunology, ZJU
10:30-10:45	Break
Session I Immunology - Chair: WANG Di, Institute of Immunology, ZJU	
10:45-11:00	Themis integrates T cell receptor and cytokine signals in CD8+ T cells GASCOIGNE Nicholas Robert John, Department of Microbiology and Immunology, NUS
11:00-11:15	Dephosphorylation in Microenvironments: Inflammation and Cancer KE Yuehai, Department of Pathology and Pathophysiology, ZJU
11:15-11:30	Modelling allergic asthma in mice using novel Blomia tropicalis-specific CD4 T cell receptor (TcR) and Dermatophagoides pteronyssinus-specific CD8 TcR transgenic mice KEMENY David Michael, Department of Microbiology and Immunology, NUS
11:30-11:45	The regulation of intestine inflammation by E3 ligase FBXW7 WANG Qingqing, Institute of Immunology, ZJU
11:45-12:00	Defining the structural basis for alloantibody recognition of HLA MACARY Paul, Department of Microbiology and Immunology, NUS
12:00-12:15	Crosstalk between cholesterol metabolism and inflammation WANG Di, Institute of Immunology, ZJU
12:15-13:30	Lunch
13:30-13:45	Function of tissue resident macrophage in vascular health and diseases ANGELI Veronique, Department of Microbiology and Immunology, NUS
13:45-14:00	Epigenetic initiation of the Th17 differentiation programme is promoted by Cxcr finger protein 1 WANG Lie, Institute of Immunology, ZJU
14:00-14:15	Recent advances in Blastocystis research: new molecular tools and microbiome insights TAN Shyong Wei, Kevin, Department of Microbiology and Immunology, NUS
Session II Cell Trafficking and Metabolism - Chair: ZHOU Yiting, Department of Biochemistry, ZJU	
14:15-14:30	Initiation of autophagosome formation LIU Wei, Department of Biochemistry, ZJU
14:30-14:45	Targeting the autophagy-lysosomal pathway for development of novel cancer therapeutic approaches SHEN Han Ming, Department of Physiology, NUS
14:45-15:00	Chromatin Remodeling Factors in Metabolic Control and Diseases MENG Zhuoxian, Department of Pathology and Pathophysiology, ZJU
15:00-15:15	Influenza A virus enhances its propagation through the modulation of Annexin-A1 dependent endosomal trafficking and apoptosis LIM Hsiu Kim, Lina, Department of Physiology, NUS
15:15-15:30	Scaling of mitochondrial function and metabolism BJÖRKLUND Mikael, ZJU-UoE Institute, ZJU

15:30-15:45	Computational design and delivery of functional Ribonucleic Acids for genetic therapy PATZEL Volker, Department of Microbiology and Immunology, NUS
15:45-16:00	Break
Session III Tumor and Aging - Chair: ZHANG Yongliang, Department of Microbiology and Immunology, NUS	
16:00-16:15	Mitotic repair against oncogenic replication stress-induced DNA damage YING Songmin, Department of Pharmacology, ZJU"
16:15-16:30	The role of CD137 in the pathogenesis of Hodgkin Lymphoma SCHWARZ Herbert, Department of Physiology, NUS
16:30-16:45	The Inflammatory cytokine IL-6 induces FRA1 deacetylation promoting colorectal cancer stemness and aggressiveness SHAO Jimin, Department of Pathology and Pathophysiology, ZJU
16:45-17:00	Targeting DUSPs to develop novel cancer therapy ZHANG Yongliang, Department of Microbiology and Immunology, NUS
17:00-17:15	DNA damage response and human diseases LIU Ting, Department of Cell Biology, ZJU
17:15-17:30	The role of the linker Histone H1 in DNA repair LEHMING Norbert, Department of Microbiology and Immunology, NUS
17:30-17:45	Alzheimer's disease: presynaptic dysfunction and Aβ ZHOU Yudong, Department of Neurobiology, ZJU
17:45-18:00	Inflammatory cytokines in the tumour microenvironment: friend or foe? LIU Haiyan, Department of Microbiology and Immunology, NUS

Day Two: Tuesday, 19th March 2019

08:30-08:55	Arrival of Guests
Session IV Host-Microbe Interaction - Chair: ANGELI Veronique, Department of Microbiology and Immunology, NUS	
09:00-09:15	Neisseria gonorrhoeae antimicrobial resistance and development of novel treatments VAN DER VEEN Stijn, Department of Pathogen Biology and Microbiology, ZJU
09:15-09:30	Laboratory of host-pathogen interactions: overview of on-going research ALONSO Sylvie, Department of Microbiology and Immunology, NUS
09:30-09:45	Diffusion and excretion by transcytosis through blood vessels and propagation in fibroblasts of Leptospira interrogans YAN Jie, Department of Pathogen Biology and Microbiology, ZJU
09:45-10:00	The third mechanism of bacteriophage transduction drives genome hypermobility in Staphylococcus aureus CHEN Yu-Shen, John, Department of Microbiology and Immunology, NUS
10:00-10:15	The realities of endemic and epidemic disease research and control in the post-conflict societies of Sudan and South Sudan ARNOT David, ZJU-UoE Institute, ZJU
10:15-10:30	Elucidating factors involved in capsular polysaccharide biosynthesis in Streptococcus pneumoniae SHAM Lok To, Chris, Department of Microbiology and Immunology, NUS

