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 Yuehui, MACARY Paul, Wang Qingping, TAN Shyong Wei, Kevin

Keynote Speech

09:30-10:00 The Age of Aging: Can We Reverse? - KENNEDY Brian, Department of Biochemistry, NUS

10:00-10:30 Tissue-specific regulation of TCR signaling by Topopl
LU Lirong, Institute of Immunology, ZJU

10:30-10:45 Break

Session I - Immunology: Chair: WANG Di, Institute of Immunology, ZJU

10:45-11:00 Thymus 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 Diphosphorylation in Microenvironments: Inflammation and Cancer
KE Yuehui, 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 Dermapthoglyphus phenontosus-specific CD8 T cell transgenic mice
KEMEY David Michael, Department of Microbiology and Immunology, NUS

11:30-11:45 The regulation of intestine inflammation by EL Iguy FBS97
WANG Qingping, Institute of Immunology, ZJU

11:45-12:00 Defining the structural basis for allantolactone 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
ANGELO Versace, Department of Microbiology and Immunology, NUS

13:45-14:00 Epigenetic regulation of the T cell differentiation programme is promoted by Cc4e finger protein 1
WANG Lie, Institute of Immunology, ZJU

14:00-14:15 Recent advances in Blastocyst research: new molecular tools and microtome insights
TAN Shyong Wei, Kevin, Department of Microbiology and Immunology, NUS

Session II - Cell Trafficking and Metabolism: Chair: ZHOU Yitong, Department of Biochemistry, ZJU

14:15-14:30 Initiation of angiogenic formation
LIU Wei, Department of Biochemistry, ZJU

14:30-14:45 Targeting the angiogenesis-vascular pathways for development of novel cancer therapeutic approaches
SHEN Han Ming, Department of Pathology, NUS

14:45-15:00 Chromatin Remodeling Factors in Metabolic Control and Diseases
MENG Zhiqinn, 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 Hoa Kim, Lina, Department of Physiology, NUS

15:15-15:30 Scaling of mitochondrial function and metabolism
BJÖRKLUND Mikael, ZJU-Ulf 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
YENG Jongmin, Department of Pharmacology, ZJU

16:15-16:30 The role of CD47 in the pathogenesis of Hodgkin Lymphoma
SCHWARZ Herbert, Department of Pathology, NUS

16:30-16:45 The inflammatory cytokine IL-6 induces FRA1 degradation promoting colorectal cancer stemness and aggressiveness
SHAO Jinmin, 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: proinflammatory dysfunction and AD
ZHOU Yudong, Department of Neurobiology, NUS

17:45-18:00 Inflammatory cytokines in the tumour microenvironment: friend or foe?
LIU Itayan, 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 Versace, Department of Microbiology and Immunology, NUS

09:00-09:15 Nontoxigenic gonorrheoa 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 ongoing research
ALONSO Sylvia, Department of Microbiology and Immunology, NUS

09:30-09:45 Diffusion and exclusion by transcytosis through blood vessels and propagation in fibroblasts of biofilms
YAN Jie, Department of Pathogen Biology and Microbiology, ZJU

09:45-10:00 The third mechanism of bacteriosphere 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
ABRON David, ZJU-Ulf Institute, ZJU

10:20-10:30 Elucidating factors involved in capsular polysaccharide biosynthesis in Streptococcus pneumoniae
SHAM Lok To, Chris, Department of Microbiology and Immunology, NUS