

海外华人微生物学会年会 (2023)

Sino-Micro 2023

Shangri-La Changchun (长春香格里拉大酒店), 569 Xi'an Road (Xi'an Dalu), Changchun

<http://www.micro2023-jdyy.cn/July 7-9, 2023>

Scientific program

July 8 Saturday (7月8日, 星期六)

Opening Ceremony

(宴会厅, 二楼)

08:00-08:30	<p>Welcome Message from Organization Committee: Bin Liu (刘彬, The First Hospital of Jilin University, organization committee co-chair)</p> <p>Welcome Message from Conference Sino-Micro: Feng Shao (邵峰, National Institute of Biological Sciences, conference co-chair)</p> <p>Welcome Message from Conference Sino-Micro: Yongqun Oliver He (何勇群, University of Michigan, conference co-chair)</p>
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Plenary Session

(宴会厅, 二楼)

Chair: Zhao-Qing Luo (罗招庆, Purdue University) & Linqi Zhang (张林琦, Tsinghua University)

08:30-09:05	<p>David Ho (何大一, Columbia University)</p> <p>"Antibody Evasion Properties of SARS-CoV-2 Variants"</p>
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09:05-09:40	<p>Feng Shao (邵峰, National Institute of Biological Sciences)</p> <p>"Activation of antitumor immunity by bacteria-derived signals: Pyroptosis & Beyond"</p>
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09:40-10:20	<p>Photo & Coffee Break</p>
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10:20-10:55	<p>Liping Zhao (赵立平, Rutgers University)</p> <p>"Reference-free and ecology-based discovery of microbiome biomarkers for disease monitoring and therapeutics development"</p>
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10:55-11:30	<p>Yuelong Shu (舒跃龙, Institute of Pathogen Biology, CAMS&PUMC)</p> <p>"The host factors affect the transmission and pathogenesis of avian influenza viruses"</p>
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11:30-13:30	<p>Lunch (参咖啡餐厅, 一楼; 香官厅, 二楼; 多功能厅, 三楼) / 转化医学午餐会(待定)</p>
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Session I: Viral Diseases and Pathogenesis (宴会厅1 , 二楼) Chair: Linqi Zhang (张林琦, Tsinghua University) Jianqing Xu (徐建青, Fudan University)	
13:30-13:55	Hui Zhang (张辉, Sun Yat-sen University) "Development of a broad-spectrum and intranasal SARS-CoV-2 nanoparticle vaccine"
13:55-14:20	Jianqing Xu (徐建青, Fudan University) "病毒急性与亚急性感染的免疫应答与保护"
14:20-14:45	Hongzhou Lu (卢洪洲, The Third People's Hospital of Shenzhen) "细胞免疫治疗的临床研究及未来发展趋势"
14:45-15:00	Coffee Break
15:00-15:25	Linqi Zhang (张林琦, Tsinghua University) "Human antibody response to SARS-CoV-1/2 infection"
15:25-15:50	Jing Xue (薛婧, Institute of Laboratory Animal Science , CAMS) "Efficient treatment and pre-exposure prophylaxis in rhesus macaques by an HIV fusion-inhibitory lipopeptide"
15:50-16:15	Wenyan Zhang (张文艳, The First Hospital of Jilin University) "The regulation of ubiquitination on the virulence of SARS-CoV-2"
Session II: Antibiotics & Resistance Mitigation (宴会厅2 , 二楼) Chair: Xilin Zhao (赵西林, Xiamen University) Qiang He (何强, The University of Tennessee)	
13:30-13:55	Youjun Feng (冯友军, Zhejiang University) "Bacterial Lipid Metabolism: Colistin Resistance and Virulence"
13:55-14:20	Xinxin Feng (冯欣欣, Hunan University) "Manipulation of Bacterial ROS Production Leads to Self-escalating DNA Damage and Resistance-Free Lethality for Intracellular Mycobacteria"
14:20-14:45	Xilin Zhao (赵西林, Xiamen University) "No life, no death; know life, know death? -- Deciphering a universal bacterial death pathway "
14:45-15:00	Coffee Break
15:00-15:25	Jianhua Liu (刘健华, South China Agricultural University) "Plasmid-Mediated Colistin Resistance Gene mcr-1: Past, Present and Future"

15:25-15:50	Weihui Wu (吴卫辉, Nankai University) "Regulation of metabolism and virulence factors in response to host environment: the key for the pathogenesis of Pseudomonas aeruginosa"
15:50-16:15	Kui Zhu (朱奎, China Agricultural University) "An optimized rhizobacterial antibiotic against multidrug resistant pathogens"
16:15-16:40	Qiang He (何强, The University of Tennessee) "Sourcing Microbial Contamination in Aerosol Facemasks during Nebulized Treatment in the Hospital"
16:40-17:05	Yingjie Sun (孙英杰, Harvard University) "Bacteria regulate their rate of growth by monitoring cell wall precursors"
Session III: Bacterial Pathogenesis and Immunity (君子兰厅, 二楼) Chair: Cuihua Liu (刘翠华, Institute of Microbiology, CAS) Hui Wu (吴辉, Oregon Health & Science University)	
13:30-13:55	Yongqun Zhu (朱永群, Zhejiang University) "Structure, Assembly and Torque Transmission Mechanism of the Bacterial Flagellar Motor"
13:55-14:20	Cuihua Liu (刘翠华, Institute of Microbiology, CAS) "M. tuberculosis pathogenesis and host immune defense"
14:20-14:45	Shan Li (李姗, Huazhong Agricultural University) "Pathogen Hijacks Programmed Cell Death Signaling by Arginine ADPR-deacylization of Caspases"
14:45-15:00	Coffee Break
15:00-15:25	Frank Yang (杨晓峰, Indiana University) "Borrelia c-di-AMP and host immune evasion "
15:25-15:50	Hui Wu (吴辉, Oregon Health & Science University) "Polymicrobial cooperation and competition"
15:50-16:15	Baoxue Ge (戈宝学, Tongji University) "Signaling Mechanism of Innate Immune Molecules"
16:15-16:40	Jiazhang Qiu (邱家章, Jilin University) "Bacterial ubiquitin ligases hijack the host deubiquitinase OTUB1 to inhibit mTORC1 signalling"

Session IV: Infectious Diseases and Translational Medicine (长春厅, 三楼) Chair: Yi-Wei Tang (汤一苇, Danaher Diagnostic Platform/Cepheid) Junqi Niu (牛俊奇, The First Hospital of Jilin University)	
13:30-13:55	Jinlin Hou (侯金林, Southern Medical University) "Research and development of hepatitis B functional cure: Who dominates the ups and downs?"
13:55-14:20	Fengmin Lu (鲁凤民, Peking University) “HBV复制关键P蛋白的翻译表达调控”
14:20-14:45	Junqi Niu (牛俊奇, The First Hospital of Jilin University) “进入抑制剂在HDV/HBV治疗中的前景”
14:45-15:00	Coffee Break
15:00-15:25	Jidong Jia (贾继东, Beijing Friendship Hospital, Capital Medical University) “The key points and challenges in the design of clinical trials for hepatitis B cure”
15:25-15:50	Xinxin Zhang (张欣欣, Shanghai Jiaotong University School of Medicine) "Spatial transcriptomics reveals intrahepatic Hepatitis B Virus integration in chronic infected patients"
15:50-16:15	Qing Mao (毛青, Southwest Hospital of Army Military Medical University) "Prevalence of Hepatitis D and its increased risk of cirrhosis and HCC"
16:15-16:40	Jinfu Xu (徐金富, Shanghai Pulmonary Hospital, Tongji University) "Pseudomonas aeruginosa in bronchiectasis patients: the influence and the treatments"
18:00-20:30	Welcome Banquet (宴会厅, 二楼) / Dinner 17:30-19:00 (参咖啡厅, 一楼)
July 9 Sunday (7月9日, 星期日)	
Session V: Viral Infection and Vaccines (宴会厅1, 二楼) Chair: Deyin Guo (郭德银, Guangzhou Laboratory) Ke Lan (蓝柯, Wuhan University)	
08:30-08:55	Deyin Guo (郭德银, Guangzhou Laboratory) "Research and development of broad-spectrum antiviral drugs to emerging viral diseases"

08:55-09:20	Minhua Luo (罗敏华, Wuhan Institute of Virology, CAS) “工具病毒和可视化感染模型的构建及应用”
09:20-09:45	Bo Zhong (钟波, Wuhan University) "Regulation of antiviral immunity and autoimmunity by ubiquitin and ubiquitin-like modifications"
09:45-10:00	Coffee Break
10:00-10:25	Ke Lan (蓝柯, Wuhan University) “KSHV 生命周期调控”
10:25-10:50	Gong Cheng (程功, Tsinghua University School of Medicine) "Skin Microbiota, Host Volatiles and Viral Transmission by Mosquitoes"
10:50-11:15	Jinghe Huang (黄竞荷, Fudan University) "Development of antiviral broadly neutralizing antibodies"
11:15-11:40	Zedong Wang (王泽东, The First Hospital of Jilin University) “新发现的蜱媒病毒反向病原学研究”
Session VI: Microbiomes and Microbial Informatics (宴会厅2, 二楼) Chair: Yongqun Oliver He (何勇群, University of Michigan) Shuangjiang Liu (刘双江, Institute of Microbiology, CAS)	
08:30-08:55	Shuangjiang Liu (刘双江, Institute of Microbiology, CAS) "Christensenellaceae: A group of beneficial gut microbes with great potentials"
08:55-09:20	Shang Cai (蔡尚, Westlake University) "The Micro-be-environment of Breast Cancer Fuels Micro-metastasis"
09:20-09:45	Hongyu Ou (欧竑宇, Shanghai Jiao Tong University) “VRprofile2: detection of antibiotic resistance-associated mobilome in bacterial pathogens”
09:45-10:00	Coffee Break
10:00-10:25	Yongqun Oliver He (何勇群, University of Michigan) "Ontology-based Vaccine Data Standardization, Integration, and Machine Learning"
10:25-10:50	Dapeng Zhang (张大鹏, Saint Louis University) "Unveiling the Complexity of Protein Toxin Systems: Insights from Genome Mining"
10:50-11:15	Xiang Gao (高翔, Shandong University) "A gut symbiont ubiquitin homologue mediates the interbacterial arms race in the human gut"

11:15-11:40	Guoqing Wang (王国庆, Jilin University) "Application of Computational Biology Technology in the Prevention and Treatment of COVID-19"
Session VII: Synthetic Biology and Clinic Application (君子兰厅, 二楼) Chair: Xihui Shen (沈锡辉, Northwest Agriculture & Forestry University) Shi Chen (陈实, Wuhan University)	
08:30-08:55	Jiandong Jiang (蒋建东, Nanjing Agricultural University) "Engineering synthetic communities for enhanced bioremediation by microbiome modeling"
08:55-09:20	Shenlin Wang (王申林, East China University Of Science and Technology) "In vivo antimicrobial peptide-cell interactions as visualized by NMR spectroscopy"
09:20-09:45	Guofeng Cheng (程国锋, Tongji University) "Schistosomiasis: understanding basics to accelerate disease elimination"
09:45-10:00	Coffee Break
10:00-10:25	Tao Dong (董涛, Southern University of Science and Technology) "Cargo design guided by the structural role of effectors of the type VI secretion system "
10:25-10:50	Jintao Liu (刘锦涛, Tsinghua University) "Spatial transcriptome uncovers rich coordination of metabolism in bacterial community"
10:50-11:15	Xihui Shen (沈锡辉, Northwest Agriculture & Forestry University) "A secreted effector with a dual role as a toxin and as a transcriptional factor"
11:15-11:40	Luyan Ma (马旅雁, Institute of Microbiology, CAS) "Molecular basis for control of phenazines production by a multidrug efflux pump repressor MexL"
11:40-13:30	Lunch (参咖啡餐厅, 一楼; 香官厅, 二楼; 多功能厅, 三楼)
Session VIII: Emerging and Reemerging Pathogens (长春厅, 三楼) Chair: Jincun Zhao (赵金存, Guangzhou Medical University) Chuanwu Xi (奚传武, University of Michigan)	
08:30-08:55	Chuanwu Xi (奚传武, University of Michigan) "Environmental surveillance of infectious diseases for informed risk assessment and public health measures"
08:55-09:20	Dongsheng Zhou (周冬生, Beijing Institute of Microbiology and Epidemiology) "病原菌防控的纳米新技术"

09:20-09:45	Yongzhen Zhang (张永振, Fudan University) "Better understanding of virus evolution and ecology will help us to prevent the emerging infectious disease in the future"
09:45-10:00	Coffee Break
10:00-10:25	Jincun Zhao (赵金存, Guangzhou Medical University) "T cell Responses in Respiratory Coronavirus Infected Mice and Humans"
10:25-10:50	Hui Wang (王辉, Peking University People's Hospital) "Application of metagenomic sequencing for pathogen detection in clinical practice"
10:50-11:15	Lei Song (宋磊, The First Hospital of Jilin University) "Acinetobacter baumannii kills fungi by a type VI DNase effector"
11:40-13:30	Lunch (参咖啡厅, 一楼; 香官厅, 二楼; 多功能厅, 三楼)
Plenary Session (宴会厅, 二楼) Chair: Wenyan Zhang (张文艳, The First Hospital of Jilin University) & Cuihua Liu (刘翠华, Institute of Microbiology, CAS)	
13:30-14:05	Hualan Chen (陈化兰, Harbin Veterinary Research Institute, CAAS) "Highly pathogenic avian influenza control in China"
14:05-14:40	Ningshao Xia (夏宁邵, Xiamen University) "Rational Vaccine Design and Capacity Expansion Driven by Clinical Needs"
14:40-15:15	Jizhong (Joe) Zhou (周集中, University of Oklahoma) "Stochasticity In Microbiology: Implications For Microbiome Engineering And Management"
15:15-15:50	Zhao-Qing Luo (罗招庆, Purdue University) "Maintaining ubiquitin homeostasis in cells infected by Legionella pneumophila"
15:50-16:30	闭幕式
17:30-19:00	Dinner (参咖啡厅, 一楼)