

Second Circulation (第二轮通知)

## **Sino-Micro 2024**

### **Annual Meeting of Overseas Chinese Society of Microbiology**

2024 海外华人微生物学会年会

The 2024 annual meeting of the Overseas Chinese Society of Microbiology (Sino-Micro) will be held in association with ASM Microbe 2024 (June 13 - 17, 2024), Atlanta, Georgia. We plan to have the meeting in the afternoon of June 13 (1:30 pm - 5:30 pm) in a mini-conference format. Scientists and medical practitioners in fundamental, clinical and environmental microbiology are invited to attend the event to showcase their new discoveries and to seek opportunities for scientific collaborations.

We have a panel of 4 outstanding colleagues who will present their cutting-edge research. In addition, 2 short talks have been selected from Abstracts submitted by our members. A special topic session is also arranged to include two talks by the leaders from the ASM Journals and eCytE.

#### **Organizer:**

Overseas Chinese Society of Microbiology (海外华人微生物学会)

#### **Sponsors:**

青岛星赛生物 / 美国eCytE

#### **Agenda**

##### **1:30-1:45 PM Introduction**

Oliver He and Yi-Wei Tang

##### **1:45-4:15 PM Scientific Sessions (Chairs: Zhao-Qing Luo and Oliver He)**

Invited speakers (20 min + 5 min Q&A discussion, short talks from Abstract 15 min+ 5 min Q&A discussion)

##### **Session 1: Molecular mechanism of infection and antibiotic resistance**

1:45-2:10 PM

Yiping Han, Professor, Columbia University

Title: Amyloid FadA: a molecular switch converting *Fusobacterium nucleatum* from benign commensal to cancer-stimulating pathogen

2:10-2:30 PM

Benjamin M. Liu, Assistant Professor, George Washington University School of Medicine and Health Sciences

Title: Microbiologic and comparative genomic analysis of a hyper-aerotolerant *Campylobacter jejuni* causing bloodstream infections in a pediatric immunocompromised patient

2:30-2:55 PM

Peijun Ma, Assistant Professor, St. Jude Hospital

Title: Understanding the evolution of antibiotic resistance using bacterial single-cell transcriptomics

### **Break (10 min)**

### **Session 2: Microbiome and ecology research**

3:05-3:30 PM

Xuesong He, Professor, Forsyth Institute

Title: The biology, ecology, and pathogenesis of Saccharibacteria (TM7), the ultrasmall bacteria within human oral microbiome

3:30-3:50 PM

Jian Xu, Professor, Qingdao Institute of BioEnergy and Bioprocess Technology (QIBEBT), Chinese Academy of Sciences, Qingdao, Shandong, China

Title: Label-free dissection and sorting of metabolic phenomes (e.g., heteroresistance) @ single-cell in microbiome via Raman Flow Cytometry

3:50-4:15 PM

Jun Zhu, Professor, University of Pennsylvania

Title: Inter-Phylum Quorum Sensing Elevates *Vibrio cholerae* Virulence in Dysbiotic Human Gut Microbiota

### **4:15-4:45 Special Topics (Chairs: Oliver He and Zhao-Qing Luo)**

- Introduction to ASM Journals Teng Liyan (ASM) (15 min)
- FlowRACS: High-throughput label-free single-cell profiling and sorting of microbiota for *in situ* functions and probiotics. Ethan Yin (eCyte) (15 min)

### **4:45-6:00 PM Sino-Micro Discussion:**

Coordinators: Oliver He, Jizhong Zhou, Yi-Wei Tang, Zhao-Qing Luo

### **Discussion topics:**

- Future Sino-Micro annual meetings
- What Sino-Micro can do to promote scientific collaboration?

- Current status of US-China collaboration on microbiology research.
- How to “restore” active Sino-US collaboration in microbiological research?
- More collaborations between Sino-Micro and ASM.
- More topics? Suggestions are welcome and appreciated!

**Sino-Micro 2024 website:**

<https://sinomicro.org/sinomicro2024/>

(**note:** More information may be provided on the Sino-Micro 2024 website.)

**Contact:**

If you have questions or comments about this event, you can contact Dr. Zhao-Qing Luo ([luoz@purdue.edu](mailto:luoz@purdue.edu)) and Dr. Oliver He ([yongqunh@med.umich.edu](mailto:yongqunh@med.umich.edu)).