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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, 4 short talks will be selected from Abstracts submitted by our members. If you wish to present, please submit your Abstract to the one of the organizers (He, Oliver (yongqunh@med.umich.edu) or (Luo, Zhao-Qing, luoz@purdue.edu). The deadline for submission is Feb. 15, 2024.

Tentative 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

Short talks 1 & 2

Title: TBD

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

Short talks 3 &4

Title: TBD

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

4:15-5:15 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 collaboration between Sino-Micro and ASM
- More topics? Suggestions are welcome and appreciated!