

The Overseas Chinese Society for Microbiology (Sino-Micro) 2022 Symposium

June 9, 2022, Washington D.C.
In association with [ASM Microbe 2022](#)



Scientific Symposium Session:

Meeting time: 12:00 - 4:00 PM, June 9

Venue: Monument (room name), Marriott Marquis, 901 Massachusetts Ave NW, Washington, DC 20001.

<https://www.google.com/maps/place/Marriott+Marquis+Washington,+DC>

12:00 - 12:15 pm

Introduction:

Yi-Wei Tang, Hua Wang, Qijing Zhang, Oliver He, Zhao-Qing Luo, etc.

12:15 - 1:15 pm

Section 1: Microbiome and environmental research (15 minutes per speaker)

Coordinators: Chuanwu Xi and Hua Wang

1. **Liping Zhao**, Rutgers University. “Two competing guilds as a core microbiome signature for human diseases”
2. **Yiping Weng Han**, Columbia University. Presentation title: “*Fusobacterium nucleatum* secretes amyloid FadA as a molecular switch for commensal-to-pathogen conversion”
3. **Hua Wang**, The Ohio State University. “The impact of drugs and the subsequent, mainstream rescue strategies on gut microbiota and resistome”.
4. **Chuanwu Xi**, University of Michigan. “Environmental surveillance of SARS-CoV-2 for infection risk estimation”.

1:15 - 2:30 pm

Section 2: Mechanism of Infectious diseases (including COVID-19) (15 minutes per speaker)

Coordinators: Yi-Wei Tang and Zhao-Qing Luo

1. **Qijing Zhang**, Iowa State University. “Antimicrobial resistance and superbugs at the animal-human interface”.
2. **Hongmin Li**, University of Arizona. “Fructose-1,6-bisphosphate aldolase (Fba1p) as a drug target for *Cryptococcus neoformans*”.
3. **Xiaozhe Xiong**, Boston Children's Hospital. “Emerging enterococcus pore-forming toxins with MHC/HLA-I as receptors”.
4. **Zhao-Qing Luo**, Purdue University. “The ADP-ribosylation arsenals of *Legionella pneumophila*”.
5. **Yi-Wei Tang**, Cepheid. “Detection of Microbial Pathogens at the Point of Care”.

2:30 – 2:45 pm

Break

2:45-3:30 pm

Section 3: Bioinformatics Research in Microbiology (15 minutes per speaker)

Coordinators: Oliver He and Asiyah Yu Lin

1. **Weigang Qiu**, Hunter College. “Evolution-inspired designs of broadly reactive vaccines against diverse strains of Lyme disease pathogen”.
2. **Asiyah Yu Lin**, National Human Genome Research Institute (NHGRI), NIH. “Infectious disease data science challenges and opportunities”.
3. **Oliver He**, University of Michigan. “Bioinformatics applications for COVID-19 research”.

3:30 - 4:00 pm

Sino-Micro Discussion:

Coordinators: Yi-Wei Tang, Hua Wang, and Oliver He

Discussion topics:

- Current status of US-China collaboration on microbiology research.
- How to “restore” active Sino-US collaboration
- What Sino-Micro can do to promote scientific collaboration
- More collaboration between SinoMicro and ASM
- Effects of COVID-19 pandemic on microbiology research
- More topics. Suggestions are welcome and appreciated!

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Dinner and Business Session:

Time: 6:45 pm – 10 pm (after the Open Session of ASM Microbe)

Restaurant: Da Hong Pao (大红袍), 1409 14th St NW, Washington, DC 20005

<http://www.dahongpaorestaurant.com/>



Coordinators: Yi-Wei Tang, Hua Wang, Oliver He

Agenda (Draft):

1. Celebration for Qijing Zhang's recent election to the National Academy of Science (NAS). Qijing will give a casual talk.
2. Celebration for several Sino-Micro members (including Haitao Guo, Yiping Han, Li Huang, Hongzhou Lu, and Jun Zhu) being elected to the American Academy of Microbiology.
3. Introduction of the board of directors and members of the executive team
4. Association registration report
5. Association membership report
6. Association financial report
7. Free discussion
 - How COVID-19 pandemic affects our microbiology research?
 - How the recent China-US tension affects our research and collaboration?
 - How to develop collaborative projects?
 - Plan for the 2023 annual meeting in China
 - More open discussion topics are expected and welcome.
8. President summary and future actions

Notes:

- More info will be posted to Sino-Micro website: <https://www.sinomicro.org>.
- Suggestions and comments are welcome!