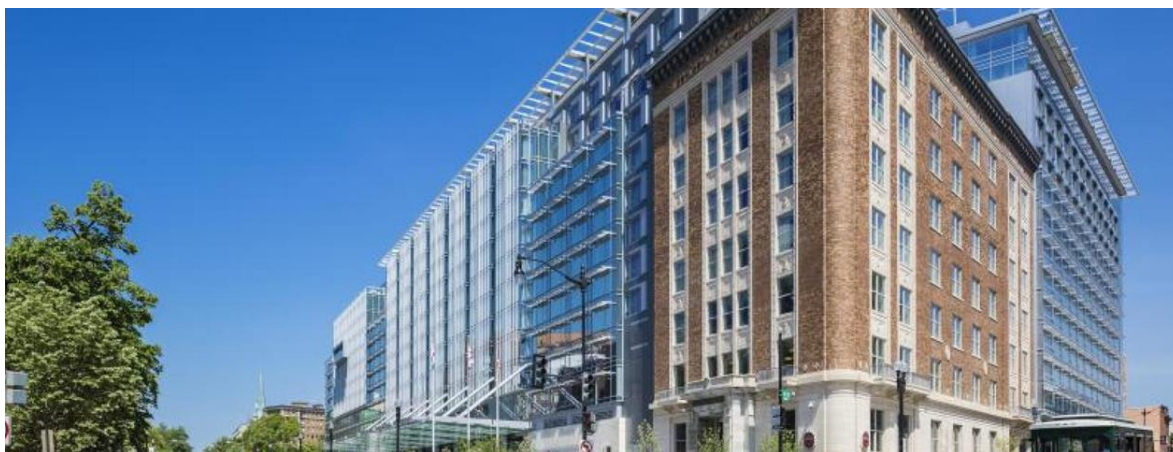


# The Overseas Chinese Society for Microbiology (Sino-Micro) 2022 Symposium

June 9, 2022, Washington D.C.

In association with [ASM Microbe 2022](#)

Session 696: <https://www.abstractsonline.com/pp8/#!/10522/session/696>



## **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!