

## 2018 Sino-Micro Annual Meeting

Microbiome and Organisms: A New Era in Medicine, Food & Agriculture, and the Environment

June 7, 2018

Georgia World Congress Center, Meeting Room B203

Atlanta, Georgia

Organized by

Overseas Chinese Society for Microbiology (Sino-Micro)

Co-sponsored by American Society for Microbiology and Chinese Society for Microbiology

<http://www.sinomicro.org/2018symp/index.php>

Online Registration and abstract submission: <http://www.sinomicro.org/2018symp/registration.php>

### Featured expert speakers and forum panel members:

Presidents of Sino-Micro, ASM, CSM, ASM membership and international department officers; Academicians and fellows of NAS, AAM, Chinese Academy of Sciences, Chinese Academy of Engineering; White House and China Microbiome Initiatives and China Synthetic Biology Initiative leaders

**7:55 -8:00 AM**            **Welcome by Co-chairs: Chuanwu Xi, Hua Wang**

### Symposium Sessions:

**8:00 -9:45 AM**            **Fundamental Microbiology**

Convener(s): Drs. Casey Chen, Daoguo Zhou

8:00-8:15 AM            Youjun Feng (Zhejiang University)

Mechanistic Insights into MCR-1/2 Colistin Resistance

8:15-8:30 AM            Chuanwu Xi (University of Michigan)

Development of NO-based approach for biofilm control

8:31-8:45 AM            Liang Yang (Nanyang Technological University)

Compound that sensitises bacterial cells to hydrophobic antibiotics

8:46-9:00 AM            Xingxing Xu (Zhejiang Chinese Medical University)

Comparative whole genome sequence analysis of *Clostridium difficile* ST37 isolates circulating in China.

9:01-9:15 AM            Yubao Wang (The Second Hospital of Tianjin Medical University)

Emergency of multidrug-resistant *Salmonella* Goldcoast harboring *Salmonella* Typhi-associated virulence genes

9:16-9:35 AM            Oliver He (U Michigan)

Ontology-based standardization and integration of host-microbiome interaction data and identification of dysbiosis-inducing gene factors

**10:00 AM-12:10 PM**    **Environmental Microbiology**

Convener(s): Dr. Jizhong Zhou

10:00-10:30AM Guoping Zhao (Chinese Academy of Sciences)  
Chinese microbiome initiatives on water and biotechnology: current status, challenges and future

10:30-11:00 AM Nianzhi Jiao (Xiamen University)  
Microbial carbon sequestration and climate change

11:01-11:10 AM Min Dong (Harvard Medical School) (Power talk)  
Identification of a botulinum neurotoxin-like toxin in a commensal strain of *Enterococcus faecium*

11:11-11:20 AM Wenjun Li (NCBI) (Power talk)  
Evidence-based prokaryotic genome re-annotation project at NCBI.

11:21-11:30 AM Jizhong Zhou (University of Oklahoma) (Power talk)  
Global Wastewater Microbiome Consortium

11:31 AM-12:00 PM James Tiedje (Michigan State University)  
Microbial ecology: learning from the past and projecting the future

**Lunch break**

**1:00-2:50 PM Clinical and translational Microbiology**

Convener(s): Dr. Yiwei Tang

1:00-1:20 PM Yi-Wei Tang (Memorial Sloan Kettering Cancer Center, USA)

Promoting translational research in clinical microbiology service

1:21-1:40 PM Ping-Yu Zhou (Shanghai Skin Disease Hospital, China)

Circulating microRNAs as potential biomarkers for the diagnosis of neurosyphilis

1:41-2:00 PM Baoming Liu (Johns Hopkins University Hospital, USA)

Detection and clinical significance of inter-genotypic recombination in HBV reverse transcriptase gene among chronic hepatitis B patients

2:01-2:20 PM Hua Wang (The Ohio State University, USA)

Key drivers and innovative mitigation of antibiotic resistance, gut microbiota dysbiosis and corresponding modern diseases

2:21-2:40 PM Xuesong He (The Forsyth Institute, USA)

Exploring the social structure of microbiome

**3:00-4:30 PM Sino-Micro Presidential Forum on Hot Topics:**

(I): How to facilitate integration and impact delivery: fundamental, translational microbiology and global collaboration

(II) Microbiome, antibiotic resistance and synthetic biology: what are the paradigm-changing messages?

**Convener(s):** Chuanwu Xi, Hua Wang, Yiwei Tang

**Expert panel members:** Jizhong Zhou, Jim Tiedje, Steve Specter, David Aronoff, Shuangjiang Liu, Robin Patel, Vic DiRita, David Hooper, Guoping Zhao, Qijing Zhang

**ASM Society Day Program Officers:** Connie Herndon, Joe Campos

**5:00-7:00** ASM Microbes Opening Session (on your own)

**7:00-8:00PM Sino-Micro Business Meeting (Georgia World Congress Center, Meeting Room B203)**