

## SCIENTIFIC PROGRAM

### SESSION LECTURE

No.16

Emerging Infectious Diseases  
Room: 303AB

Co-Chairs: Jinxing Lu



Ruiting Lan



Day 1 October 27<sup>th</sup> (Saturday) 13:30 – 17:00

Time	Speaker	Title
13:30-14:00	<b>Ruiting Lan</b> <i>University of New South Wales, Australia</i>	Genomic epidemiology and evolution of bacterial pathogens
14:00-14:30	<b>Martha Rebecca Jane Clokie</b> <i>University of Leicester, UK</i>	Bacteriophage: new trouble-shooting to superbug
14:30-15:00	<b>Wuchun Cao</b> <i>Beijing Institute of Microbiology and Epidemiology, State key Laboratory of Pathogen and Biosecurity, P. R. China</i>	Biosecurity Threats:Challenges and Responses
15:00-15:30	<b>Tea Break</b>	
15:30-16:00	<b>Daniel Falush</b> <i>University of Bath, UK</i>	Virulence evolution during geographical spread of <i>Helicobacter pylori</i>
16:00-16:30	<b>Yuqing LIU</b> <i>Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Science, China</i>	Veterinary bacterial resistance monitoring and ecological control strategy



### Jinxing Lu

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Professor, Director of the National Institute of Communicable Disease Control and Prevention, China CDC, the director of department of hospital acquirement infection control and prevention. Deputy director of Chinese Association for Laboratory Animal Sciences, vice-chairman of the Nosocomial Infection Control of Sector of Chinese Preventive Medicine Association (CPMA), and the Chinese Pest Control Association (CPCA).



### Ruiting Lan

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Prof Ruiting Lan is a professor of Medical Microbiology at the University of New South Wales (UNSW), Sydney, Australia. He is a fellow of Australian Society for Microbiology. His research focuses on genomic epidemiology and evolution of bacterial pathogens, high resolution molecular typing for public health surveillance, emerging and re-emerging bacterial infections, and antimicrobial resistance.



### Martha Rebecca Jane Clokie

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Prof. Clokie's research interest is in understanding the ecology and molecular biology of bacteriophages and their relationships with bacterial hosts; both in bacterial pathogens and environmentally important bacteria. Much of her work focuses on the exploitation of bacteriophages and phage-derived products as an alternative to treating antibiotic resistant bacterial infections.



### Wuchun Cao

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Wu-Chun Cao is currently a professor of Microbiology and Epidemiology, and appointed as the general director of BIME and the director of the State Key Laboratory of Pathogen and Biosecurity. His research interests are epidemiology and control of infectious diseases, especially emerging infectious diseases, molecular spatial epidemiology and bio-defense.



### Daniel Falush

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Daniel Falush is a Medical Research Council Research Fellow who develops new statistical genetic methods for understanding evolutionary processes in bacteria humans and other organisms.



### Yuqing Liu

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Professor, Yuqing Liu is the head of Veterinary Antibiotic Resistance Monitoring System, (Varms) in Shandong and professor of Shandong Academy of Agricultural Science who develops new AST methods and an ecological control strategy for antibiotic resistance of animals derived from 50 group farms.