

## Symposium Program

### Day 1 - Thursday, 23 March 2023

- 8:30am – 9:00am Registration
- 9:00am – 9:10am Welcome message  
*Lisa Ng, Executive Director, ID labs*
- 9:10am – 12:30pm Session 1 – AMR and Microbial genomics  
Session chair: Wang Yue
- 9:10am – 9:55am Timothy Stinear, Doherty Institute, Australia  
*Staphylococcus aureus antibiotic resistance and the WalkR two-component regulator*
- 9:55am – 10:30am Yunn Gan, NUS, Singapore  
*Transmission of carbapenem-resistance in Klebsiella pneumoniae through highly-adapted clinically dominant plasmids*
- 10:30am – 11:10am Coffee break
- 11:10am – 11:45am Niranjan Nagarajan, A\*STAR GIS, Singapore  
*Obtaining ecological and evolutionary insights into CRE colonization of the gut microbiome*
- 11:45am – 12:20pm David Lye, NCID / TTSH, Singapore  
*New antibiotics for carbapenemase*
- 12:20pm – 1:30pm Lunch
- 1:30pm – 5:30pm Session 2 – New approaches against resistant pathogens  
Session chair: Amit Singhal
- 1:30pm – 2:05pm Valeria Szijarto, CEBINA, Austria  
*The use of monoclonal antibodies to target Gram negative pathogens*
- 2:05pm – 2:40pm Pablo Bifani, NUS/A\*STAR ID Labs, Singapore  
*Combination phage therapy as compassionate treatment or as standard of care?*
- 2:40pm – 2:55pm Boon Chong Goh, SMART, Singapore  
*Engineered phage lysins as novel antibacterial agents*
- 2:55pm – 3:30pm Coffee break
- 3:30pm – 4:05pm Yi Yan Yang, IBN, Singapore  
*Targeted delivery of antimicrobial agents for treatment of AMR bacterial infection*
- 4:05pm – 4:20pm Samarajit Chakraborty, IMCB A\*STAR, Singapore  
*Novel anti-microbial peptides derived from differentiating adipose-derived stem cells against antimicrobial resistance acquisition in chronic wound infecting pathogens*
- 4:20pm – 4:55pm Thomas Kesteman, OUCRU, Vietnam

*A landscape of OUCRU research program on Antimicrobial Resistance in Vietnam*

- 4:55pm – 5:30pm Helen Fletcher, J&J  
*Academic-Industry partnership for investigating drug resistance through the J&J Centres for Global Health Discovery*
- 5:30pm – 7:30pm Happy Hour, lite bites and Networking

## **Day 2 - Friday, 24 March 2023**

- 9:00am – 12:30pm Session 3 – Clinical challenges and AMR in Mycobacteria & Fungi  
Session chair: Pablo Bifani
- 9:00am – 9:35am Kevin Pethe, LKC-NTU, Singapore  
*Circumventing intrinsic drug resistance in non-tuberculous mycobacteria*
- 9:35am – 10:10am Amit Singhal, A\*STAR ID Labs, Singapore  
*Host-Directed therapies to circumvent drug resistance in Tuberculosis*
- 10:10am – 10:25am Stefan Oehlers, A\*STAR ID Labs, Singapore  
*Host vascular-targeted therapies for mycobacterial infection*
- 10:25am – 11:00am Coffee break
- 11:00am – 11:35am Wang Yue, A\*STAR ID Labs, Singapore  
*Unbiased genome-wide screening identified novel resistance mechanisms in Candida*
- 11:35am – 11:50am Ronni da Silva  
*Mitoxantrone targets both host and bacteria to overcome vancomycin resistance in Enterococcus faecalis*
- 11:50am – 12:25pm Abhilasha Karkey, OUCRU, Nepal  
*RCTs to address AMR*
- 12:25pm – 1:00pm Li Yang Hsu, NUHS, Singapore  
*AMR Health Systems Research in Singapore*
- 1:00pm – 2:00pm Lunch
- 2:00pm – 3:00pm Panel discussion (Interaction of Industry, Accademia & Hospital)  
Members: Sharon Chan (Head J&J Innovation), Valeria Szijarto (CEBINA),  
Carson Chen (IXensor), David Lye (NCID), Damien Keogh (BluMaiden)
- 3:00pm – 3:15pm Closing
- 3:30pm – 5:15pm Visit to ID Labs
- 6:00pm – 8:30pm Speaker Dinner