

# FUNGAL SYMPOSIUM

## Understanding and Confronting Fungal Infections- an Underappreciated Public Health Threat

### Scope of the symposium

- Epidemiology and diagnosis of fungal pathogens
- Antifungal resistance and the development of new antifungal strategies/therapeutics
- Host-pathogen interaction
- Biology and virulence of fungal pathogens
- Mycobiome and human health

### Talks Titles

Structure of fungal cell wall immune epitopes and the origins of immunity  
Neil A.R. Gow, University of Exeter, United Kingdom

Role of candidalysin in pathogenicity  
Julian Naglik, King's College London, United Kingdom

Genome-wide search for drug resistance mechanisms in *Candida*  
Yue Wang, A\*STAR Infectious Diseases Labs, Singapore

Functional genomics by overexpression in the fungal pathogen *Candida albicans*  
Christophe d'Enfert, Institut Pasteur, France

Fungal eye infection  
Lakshminarayanan Rajamani, Singapore Eye Research Institute, Singapore

Fungal skin infection  
Thomas Dawson, A\*STAR Skin Research Labs, Singapore

Molecular epidemiology of *Candida* pathogens  
Clement Tsui, National Centre for Infectious Diseases, Singapore

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### Talks Titles

**Metabolic drivers of host-pathogen interactions in fungal infections**  
Ana Traven, Monash University, Australia

**Genetic mutations underpin host-induced morphological transitions in *Candida auris***  
Guanghua Huang, Fudan University, China

**Novel fluorescent probes illuminate the pathway of host heme capture and transport**  
Daniel Kornitzer, Technion, Israel

**Systematic functional analysis of essential transcription factors in the global fungal meningitis pathogen *Cryptococcus neoformans***  
Yong-sun Bahn, Yonsei University, Korea

**Fungal Drug Response and Phenotypic resistance**  
Linqi Wang, Institute of Microbiology, Chinese Academy of Sciences, China

**Lipid Signaling in Fungal Pathogenesis**  
Naweed Naqvi, Temasek Life Sciences Laboratories, Singapore

**New insights into *C. albicans*' transport and sensing mechanisms of bacterial peptidoglycan fragments**  
Yuan Qiao, Nanyang Technological University, Singapore

**Correlating Bench versus Bedside in Determining Novel Susceptibility to Invasive Fungal Infection**  
Louis Chai, National University Hospital, Singapore

**Fungal Keratitis: Current Clinical Management and Unmet Needs**  
Darren Ting, University of Birmingham, United Kingdom

**Antifungal stewardship**  
Winnie Lee, Singapore General Hospital, Singapore

**Medically important fungal pathogens in Singapore**  
Tan Yen Eee, Singapore General Hospital, Singapore