



15th International Congress of Bacteriology & Applied Microbiology
15th International Congress of Mycology and Eukaryotic Microbiology
17th International Congress of Virology

IUMS 2017
SINGAPORE
International Union of
Microbiological Societies

PROGRAMME

15th International Congress of Mycology and Eukaryotic Microbiology 17 – 21 July 2017

17 July 2017, Monday

Time	Room	Programme
08:30 – 09:30	<i>Sands Grand Ballroom I – L</i>	Opening ceremony Guest of Honour: Mr Lawrence Wong Minister for National Development & Second Minister for Finance
09:30 – 10:00	<i>Sands Grand Ballroom foyer</i>	Welcome Reception
10:00 – 11:30	<i>Sands Grand Ballroom I – L</i>	Keynote Chair: Prof Yuan Kun Lee, President of IUMS Microbiota Gut Microbiome: A New Target For Managing Human Health Speaker: Prof Liping Zhao, Rutgers, The State University of New Jersey; Shanghai Jiao Tong University, China (BAM) Understanding the Flagellum-driven Cell Motility in Trypanosomes by Cryo- Electron Tomography Speaker: Dr Cynthia He, National University of Singapore, Singapore (MEM) The Long and Winding Road from Poxvirus Tropism to Oncolytic Virotherapy Speaker: Prof Grant McFadden, Arizona State University, USA (VIR)
11:30 – 12:30	<i>Sands Grand Ballroom I – L</i>	ICTV plenary session Speaker: Andrew Davison, MRC-University of Glasgow Centre for Virus Research
11:30 – 13:00	<i>Sands Grand Ballroom foyer</i>	Lunch and Posters
13:00 – 14:30	<i>Sands Grand Ballroom I – L</i>	Bridging Session - Frontiers in Structural Microbiology Chair: Prof Rafael Giraldo, CIB-CSIC, Spain The Third Genetic Code Speaker: Dr Eric Westhof, Université de Strasbourg, France (MEM)



17 July 2017, Monday

Time	Room	Programme
		The Lassa virus Glycoprotein – It Takes a Village Speaker: Prof Erica Ollmann Saphire, The Scripps Research Institute, USA (VIR)
WORKSHOP SESSION 1		
14:30 – 16:00	<i>Sands Grand Ballroom O</i>	Bioprospecting / Secondary Metabolism Decrypting Fungal Natural Products Speaker: Dr Vito Valiante, Hans Knöll Institute, Germany (20 Minutes) Chair: Dr Vito Valiante, Hans Knöll Institute, Germany Disentangling An Intertwined Fumagillin-Pseurotin Supercluster Oral Presenter: Dr Yuta Tsunematsu Evaluating Antifungal Potential of Complex II Inhibitors Against Phyto-Pathogenic Fungi of Solanaceous Crops Oral Presenter: Sehrish Iftikhar Styrylquinolines Induce Secretion of Extracellular Vesicles in Candida Albicans Oral Presenter: Joanna Szczepaniak
	<i>Sands Grand Ballroom G</i>	Common Themes for Human, Animal and Plant Pathogens I Plasmodium Vivax Infected Reticulocytes as Targets for Cytotoxic T Cells Speaker: Prof Ricardo Gazzinelli, Oswaldo Cruz Foundation, Brazil (20 Minutes) Malassezia: Plant Pathogens as Human Commensals Speaker: Dr Tom Dawson, A*STAR, Singapore (20 Minutes) Chair: Prof Ricardo Gazzinelli, Oswaldo Cruz Foundation, Brazil Protein Kinase a Governs Growth, Adhesion And Virulence in Candida Tropicalis Oral Presenter: Ms Chia-Yen Wu Role Of Cell Wall Components In The Pathogenicity of The Dimorphic Fungus Talaromyces Marneffeii Oral Presenter: Mr Aakash Gupta The Histone Acetylation Module Regulates Development and Adherence in The Human Fungal Pathogen Aspergillus Fumigatus Oral Presenter: Mr Chi-Jan Lin



17 July 2017, Monday

Time	Room	Programme
16:00 – 16:30	Sands Grand Ballroom foyer	Coffee Break
WORKSHOP SESSION 2		
16:30 – 18:00	Sands Grand Ballroom O	Biofilms and Multikingdom Interactions Heterogeneity and Polymicrobial Interactions in Fungal Biofilms Mycofilms Speaker: Prof Gordon Ramage, University of Glasgow, United Kingdom (20 Minutes) Investigation of the Molecular Mechanisms of Antimicrobial Drug Tolerance of Single and Dual-Species Candida Albicans and Staphylococcus aureus Biofilms Using In Vitro and In Vivo Model Systems Speaker: Prof Patrick van Dijck, Institute of Botany and Microbiology, Belgium (20 Minutes) Chair: Gordon Ramage, University of Glasgow, United Kingdom Copper Homeostasis in Aspergillus Fumigatus Impacts Pathogenicity Oral Presenter: Nir Osherov Secreted Protease Of Skin Commensal Yeast Malassezia Globosa Blocks Staphylococcus Aureus Biofilm Growth Oral Presenter: Dr Hao Li
	Sands Grand Ballroom P	Microbiomes Skin Fungal Microbiome of Patients with Malassezia-related Skin Diseases Speaker: Prof Takashi Sugita, Meiji Pharmaceutical University, Japan Deciphering Bacterial-Fungal Interactions in the Mammalian Gastrointestinal Tract Speaker: Prof Norman Pavelka, A*STAR, Singapore (20 Minutes) Chair: Prof Takashi Sugita, Meiji Pharmaceutical University, Japan Cluster Signature Oligonucleotides Provide Accurate Species-Level Identification In Mycotoxigenic Fungi Surveillance Oral Presenter: Dr Wen Chen Advantages of RNA-Seq Over DNA-Seq in Microbiome Analysis Oral Presenter: Mr Martin Laurence
18:00 – 18:30	Sands Grand Ballroom foyer	Coffee Break



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Time	Room	Programme
18:30 – 19:30	<i>Sands Grand Ballroom E – H</i>	Plenary – “Omics”, Biodiversity and Ecology Chair: Prof Teun Boekhout, Westerdijk Fungal Biodiversity Institute, Netherlands Diversity and Evolution of Decay Mechanisms in Mushroom- Forming Fungi Speaker: A/ Prof David Hibbett, Clark University, USA Omics’ Approaches to the Pathobiome Offer Pre-emptive Solutions to Plant Biosecurity Speaker: Prof Bernard Slippers, University of Pretoria, South Africa
19:30 – 20:30	<i>Sands Grand Ballroom I – L</i>	Arima and Mudd Awards Ceremony Arima Award: Dr Fernando Baquero, Scientific Director, Ramón y Cajal University Hospital in Madrid, Spain Mudd Award: Science and Society: Infectious Diseases as an Example Speaker: Prof Jörg Hacker, President of the German National Academy of Sciences Leopoldina, Halle (Saale), Germany



18 July 2017, Tuesday

Time	Room	Programme
08:30 – 09:30	<i>Sands Grand Ballroom E – H</i>	Plenary – Cell and Molecular Biology Chair: Prof Gustavo Goldman, Universidade de São Paulo, Brazil Lysine 76 Trimethylation of Histone H3 Acts as a Cytokinesis Checkpoint Speaker: Prof Sergio Schenkman, Unifesp, Brazil Molecular Understanding of How a Single Protein Kinase, Cdc28/Hgc1, Orchestrates Multiple Cellular Processes to Govern the Hyphal Development of Candida Albicans Speaker: Adj Prof Yue Wang, National University of Singapore, Singapore
09:30 – 10:00	<i>Sands Grand Ballroom foyer</i>	Coffee Break
10:00 – 11:00	<i>Sands Grand Ballroom E – H</i>	Plenary – Food / Edible Mushrooms / Fermentations / Safety Chair: Prof Teun Boekhout, Westerdijk Fungal Biodiversity Institute, Netherlands The Origin and Genome Evolution of Wild and Domestic Yeast Populations Speaker: Dr Feng-Yan Bai, Chinese Academy of Sciences, China Mushroom Forming Fungi For Food and Biomaterials Speaker: Prof Han Wösten, Utrecht University, Netherlands
11:30 – 13:00	<i>Simpur Junior Ballroom, 4810A</i>	MEM Divisional Council Meeting
11:30 – 12:30	<i>Sands Grand Ballroom A – D</i>	Yakult Sponsored Lunch Symposium Gut Microbiota and Ulcerative Colitis Speaker: Prof Toshifumi Ohkusa, The Jikei University Kashiwa Hospital
11:00 – 13:00	<i>Sands Grand Ballroom foyer</i>	Lunch and Posters
WORKSHOP SESSION 3		
13:00 – 14:30	<i>Sands Grand Ballroom O</i>	Biocontrol / Mycorrhiza / Endophytic Fungi The Eliciting Role of Trichoderma harzianum Epl-1 Protein in Fungal and Plant Host Interaction Speaker: Prof Roberto Nascimento Silva, Universidade de São Paulo, Brazil (20 Minutes)



18 July 2017, Tuesday

Time	Room	Programme
		<p>Genomics and Molecular Pathogenesis of Insect Pathogenic Fungi Speaker: Prof Chengshu Wang, Chinese Academy of Sciences, China (20 Minutes)</p> <p>Chair: Prof Roberto Nascimento Silva, Universidade de São Paulo, Brazil</p> <p>Ruminal Microbiota Analysis in Dairy Cattle Using Next Generation Sequencing Technology Oral Presenter: Dr Shang-Tse Ho</p>
	Sands Grand Ballroom P	<p>Tree of Life / Biodiversity / Extremophiles I</p> <p>Mycorrhizal Fungal Diversity in Chinese Subtropical Forest Speaker: Prof Liangdong Guo, Chinese Academy of Sciences, China (20 Minutes)</p> <p>Diversity and Taxonomy of Basidiomycetous Yeasts Speaker: Prof Teun Boekhout, CBS-KNAW Fungal Biodiversity Centre, Netherlands (20 Minutes)</p> <p>Chair: Prof Liangdong Guo, Chinese Academy of Sciences, China</p> <p>Inferring Phylogeny and Speciation of Gymnosporangium Species, and Their Coevolution with Host Plants Oral Presenter: Dr Peng Zhao</p> <p>Genetic and Genomic Variation Suggesting a Hybridization Event within the <i>Malassezia Furfur</i>-Complex Oral Presenter: Mr Bart Theelen</p>
WORKSHOP SESSION 4		
14:30 – 16:00	Sands Grand Ballroom O	<p>ICPA: Advances in the Taxonomy of <i>Aspergillus</i>, <i>Penicillium</i>, and <i>Talaromyces</i> Chair: Prof Robert Samson, CBS-KNAW Fungal Biodiversity Centre, Netherlands</p> <p>Aspergillus, Penicillium and Talaromyces: Current Status of Taxonomy and Nomenclature Speaker: Prof Robert Samson, CBS-KNAW Fungal Biodiversity Centre, Netherlands (15 Minutes)</p> <p>New Taxonomies of <i>Aspergillus</i> Section <i>Aspergillus</i>, <i>Restricti</i> and <i>Nidulantes</i> Speaker: Dr Amanda Chen, China (15 Minutes)</p>



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Time	Room	Programme
		<p>The Distribution of Mycotoxins and Other Extralites in the Large Genera <i>Aspergillus</i>, <i>Penicillium</i> and <i>Talaromyces</i> Speaker: Prof Jens Frisvad, Technical University of Denmark, Denmark (15 Minutes)</p> <p>Current Developments in the Taxonomy of Clinically Relevant <i>Aspergillus</i> Species Speaker: Dr Vit Hubka, Czech Republic (15 Minutes)</p> <p>New Species of <i>Talaromyces</i> Isolated from Maize and Other Substrates Speaker: Dr Stephen Peterson, United States Department of Agriculture, USA (15 Minutes)</p> <p>Recent Developments in the Classification of <i>Penicillium</i> Speaker: Dr Jos Houbraken, Netherlands (15 Minutes)</p>
	<i>Sands Grand Ballroom P</i>	<p>"Omics" and Protozoa Parasite Biology and Host Parasite Interaction</p> <p>Tight Interactions Between <i>Trypanosoma</i> and <i>Leishmania</i> Surface Proteins and The Mammalian Host Cell Speaker: Prof Santuza Teixeira, Federal University of Minas Gerais, Brazil (20 Minutes)</p> <p>Innate Resistance Against <i>Toxoplasma Gondii</i>: An Evolutionary Tale of Mice, Cats, and Men Speaker: Prof Ricardo Gazzinelli, Oswaldo Cruz Foundation, Brazil (20 Minutes)</p> <p>Chair: Prof Santuza Teixeira, Federal University of Minas Gerais, Brazil</p> <p>Prevention Of <i>Plasmodium</i>–Induced Acute Neuropathology By Alteration Of Cd8+ T Cell Trafficking During <i>Chikungunya</i> Co-Infection Oral Presenter: Dr Teck Hui Teo</p> <p>Whole-Genome Sequencing Of <i>Plasmodium Gonderi</i> And The Evolutionary Relationship Of Malaria Parasites Oral Presenter: Prof Nobuko Arisue</p>
16:00 – 16:30	<i>Sands Grand Ballroom foyer</i>	Coffee Break
16:30 – 18:00	<i>Sands Grand Ballroom I – L</i>	<p>Bridging Session – Microbial Evolution and Diversity Chair: Prof Paul Young, The University of Queensland, Australia</p> <p>Genomics & The Making of Fungal Metabolic Diversity Speaker: Prof Antonis Rokas, Vanderbilt University, USA (MEM)</p>



18 July 2017, Tuesday

Time	Room	Programme
		Using Metagenomics to Redefining Virosphere and Disease Emergence Speaker: Prof Eddie Holmes, University of Sydney, Australia (VIR)

19 July 2017, Wednesday

Time	Room	Programme
08:30 – 09:30	<i>Sands Grand Ballroom E – H</i>	Plenary – Emerging Diseases Chair: Dr Thomas L. Dawson, Institute of Medical Biology, Agency for Science, Technology, and Research, Singapore Phenotypic Plasticity in Cryptococcus and the Swiss Army Knife of Virulence Speaker: A/Prof Dee Carter, University of Sydney, Australia Metabolome Re-programming During Plant-Pathogen Interaction Speaker: A/Prof Naweed I. Naqvi, Temasek Life Sciences Laboratory, Singapore
09:30 – 10:00	<i>Sands Grand Ballroom foyer</i>	Coffee Break
10:00 – 11:00	<i>Sands Grand Ballroom E – H</i>	Plenary – System / Industrial Biology / Synthetic Biology Chair: Prof Gustavo Goldman, Universidade de São Paulo, Brazil Engineering an Expanded Chemical Palette in Cells Speaker: Dr Hal Alper, University of Texas, USA Sweet and Sweet: Synthetic and Systems Glycobiology in Yeast Speaker: Prof Hyun Ah Kang, Chung-Ang University, South Korea
11:00 – 13:00	<i>Sands Grand Ballroom foyer</i>	Lunch and Posters
WORKSHOP SESSION 5		
13:00 – 14:30	<i>Sands Grand Ballroom O</i>	Common Themes in Human, Animal, and Plant Pathogens II Morphological and Metabolic Adaptation to Environmental Conditions by <i>Talaromyces Marneffei</i> and its Role in the Host Speaker: Dr Alex Andrianopoulos, University of Melbourne, Australia (20 Minutes) An Insight into Effector Gene Regulation in a Major Fungal Pathogen of Wheat Speaker: Dr Tan Kar-Chun, Curtin University, Australia (20 Minutes) Chair: Dr Alex Andrianopoulos, University of Melbourne, Australia



19 July 2017, Wednesday

Time	Room	Programme
		<p>The Influence of the Mating Type on Virulence of <i>Mucor irregularis</i> Oral Presenter: Dr Wenqi Xu</p> <p><i>Mechanism of Action of Medium Chain Fatty Acids as Antifungal Agents Against Candida Albicans And Candida Parapsilosis</i> Oral Presenter: Ms Qinxi Ma</p> <p><i>Study of the Role of Host Apoptotic Factor Caspase-9 in the Regulation of Intracellular Chlamydia Infection</i> Oral Presenter: Mr Md Abdul Aziz</p>
	Sands Grand Ballroom P	<p>Tree of Life / Biodiversity / Extremophiles II</p> <p>Biodiversity of Epiphytic Yeasts Versus Endophytic Yeasts Associated with Sugarcane Leaves Speaker: Prof Savitree Limtong, Kasetsart University, Thailand (20 Minutes)</p> <p>Kill First or Eat First? Paradigm Shift of Phagocytosis in the Pathogenesis of the Human Enteric Parasite Speaker: Prof Tomoyoshi Nozaki, NIID National Institute of Infectious Diseases, Japan (20 Minutes)</p> <p>Chair: Prof Savitree Limtong, Kasetsart University, Thailand</p> <p>Comparison of Three Primer Sets for Eukaryotic Diversity Study in Wastewater Treatment Plant Oral Presenter: Ms Lu Li</p> <p>Isolation of Zygomycetous Fungi and their Antimicrobial and Enzymatic Activities Oral Presenter: Jeon Sun Jeong</p>
WORKSHOP SESSION 6		
14:30 – 16:00	Sands Grand Ballroom O	<p>Food Fermentation and Safety</p> <p>Traditional Fermented Foods and Their Safety Speaker: Prof Endang Rahayu, Universitas Gadjah Mada, Indonesia (20 Minutes)</p> <p>Biodegradation of Aflatoxin B1 and Ochratoxin A By Microbial Isolates from meju Speaker: Soo Hyun-Chung, Republic of Korea (20 Minutes)</p> <p>Mycobiota of Korean Traditional Meju and Their Industrial Use Speaker: Seung-Beom Hong, Republic of Korea (20 Minutes)</p> <p>Chair: Prof Endang Rahayu, Universitas Gadjah Mada, Indonesia</p>



19 July 2017, Wednesday

Time	Room	Programme
		<i>Biosynthetic Cooperativity Between Fungal Polyketide Megasyntases Revealed Through Genome Mining</i> Oral Presenter: Prof Michio Sato
	<i>Sands Grand Ballroom P</i>	Signalling / Signalling Circuits Systematic Functional Analysis of Fungal Signalling Networks Speaker: Prof Yong-Sun Bahn, Yonsei University, Republic of Korea (20 Minutes) Regulation of Aspergillus Nidulans CreA-mediated Catabolite Repression by Fbx23 and Fbx47, F-box Subunits of the SCF Ubiquitin Ligase Complex Speaker: Prof Gustavo Goldman, Universidade de São Paulo, Brazil (20 Minutes) Chair: Prof Yong-Sun Bahn, Yonsei University, Republic of Korea Characterization of Protrusive Forces Generated by Individual Hyphal Tips of Achlya Bisexualis on a Lab-On-A-Chip Platform Oral Presenter – Dr Volker Nock Lysine 76 Trymethylation In Histone H3 Of Trypanosoma Acts as A Cytokinesis Checkpoint Oral Presenter: Prof Sergio Schenkman
16:00 – 16:30	<i>Sands Grand Ballroom foyer</i>	Coffee Break
16:30 – 18:00	<i>Sands Grand Ballroom I – L</i>	Bridging Session – Microbes and Climate Change Chair: Prof Gustavo Goldman, Universidade de São Paulo, Brazil Bacteria and Climate Change Speaker: Prof Carlos Pedrós-Alió, National Center for Biotechnology (CSIC) in Madrid, Spain (BAM) Microbes and Climate Change Speaker: Prof Lynne Boddy, Cardiff School of Biosciences, United Kingdom (MEM) Dengue and Zika Transmission: Environmental and Human Interaction Speaker: Dr Lee Ching Ng, National Environment Agency, Singapore (VIR)



20 July 2017, Thursday

Time	Room	Programme
08:30 – 09:30	<i>Sands Grand Ballroom E – H</i>	Plenary – Inter Kingdom Crosstalk Chair: Dr Thomas L. Dawson, Institute of Medical Biology, Agency for Science, Technology, and Research, Singapore Darwinian Agriculture: Inspired by an Ancient Farming Mutualism Speaker: A/Prof Duur Aanen, Wageningen University, Netherlands Eavesdropping on Dirt-y Conversations: Characterizing How the Protein Based Signals Exchanged Between Soil-Borne Mycorrhizal Fungi and Plant Roots Promote Mutualistic Symbiosis Speaker: Dr Jonathan Plett, Western Sydney University, Australia
09:30 – 10:00	<i>Sands Grand Ballroom foyer</i>	Coffee Break
10:00 – 11:00	<i>Sands Grand Ballroom E – H</i>	Plenary – Genomics / Large Scale Analysis / Evolution Chair: Prof Gustavo Goldman, Universidade de São Paulo, Brazil Phylogenomics and Reticulated Evolution in Fungi Speaker: Dr Toni Gabaldon, Comparative Genomics Group CRG-Centre for Genomic Regulation, Spain Adaptive Evolution: Don't Fix What's Broken Speaker: A/Prof Giulia Rancati, A*STAR, Singapore
11:00 – 12:30	<i>Sands Grand Ballroom A – D</i>	Yakult Sponsored Lunch Symposium The Unique Features of <i>Lactobacillus Casei</i> Strain Shirota Correlates with the Cell Wall Polysaccharides and Its Genes Speaker: Emi Yasuda, Yakult Central Institute
11:00 – 13:00	<i>Sands Grand Ballroom foyer</i>	Lunch and Posters
		IUMS Council Handing Over Ceremony
WORKSHOP SESSION 7		
13:00 – 14:30	<i>Sands Grand Ballroom O</i>	Cell Biology and Function Modulating Human Chemotherapeutic Efficacy Through Elucidating Conserved Drug-Resistance Gene Network in <i>Schizosaccharomyces Pombe</i> Speaker: Asst. Prof Ee Sin Chen, National University of Singapore, Singapore (20 Minutes)



20 July 2017, Thursday

Time	Room	Programme
		<p>Innovation and Constraint Leading to Complex Multicellularity in the Ascomycota Speaker: Ms Tu Anh Nguyen, National University of Singapore, Singapore (20 Minutes)</p> <p>Chair: Ee Sin Chen, National University of Singapore, Singapore</p> <p>Cell Cycle Regulation in the Pathogenic Yeast <i>Cryptococcus Neoforms</i> and the Model Yeast <i>Saccharomyces Cerevisiae</i> Oral Presenter: Prof Susumu Kawamoto</p> <p>Regulation of Heterochromatic Silencing By H3y41 Phosphorylation In Fission Yeast Oral Presenter: Ms Bingbing Ren</p>
	Sands Grand Ballroom P	<p>Biotechnology I</p> <p>New Metabolic Regulation and Physiological Function of Amino Acids Found in Yeast and Their Application to Breeding Speaker: Prof Hiroshi Takagi, Nara Institute of Science and Technology, Japan (20 Minutes)</p> <p>Speaker: Andrea Camattari, A*STAR, Singapore (20 Minutes)</p> <p>Chair: Prof Hiroshi Takagi, Nara Institute of Science and Technology, Japan</p> <p>The Transcription Factor, FLBC, Responsible for the Transcriptional Regulation of <i>Aspergillus Oryzae</i> Glucoamylase and Protease Genes Specifically Expressed in Solid-State Culture Oral Presenter: Prof Katsuya Gomi</p> <p>Characterization of Marine Microalgal Metabolic Pathways by Multi-Omics Technology using in Silico Model Oral Presenter: Prof Dr Cg Lee</p> <p>The Roles of Salinity, Nitrogen and Light on Photosynthetic Glycerol Production by the Halotolerant Microalga <i>Dunaliella Tertiolecta</i> Oral Presenter: Daphne Ng</p>



20 July 2017, Thursday

Time	Room	Programme
WORKSHOP SESSION 8		
14:30 – 16:00	<i>Sands Grand Ballroom O</i>	ICFM/ICFMH: Food Pathogens and Mycotoxins Chair: Prof Robert Samson, CBS-KNAW Fungal Biodiversity Centre, Netherlands and Prof Andreja Rajkovic, Ghent University, Belgium Impact of Microbial Depsipeptide Cereulide on Mitochondrial Disruptions in Caco2, Heprg And Hpg2 Cells as a Measurement of Host-Pathogen Interactions Speaker: Prof Andreja Rajkovic, Ghent University, Belgium (20 Minutes) Aflatoxin Production by Aspergillus Section Flavi Speaker: Dr Jos Houbraken, Netherlands (20 Minutes) What are the Real Producers of Carcinogenic Mycotoxins? Speaker: Prof Jens Frisvad, Technical University of Denmark, Denmark (20 Minutes) Application of Quantitative Tools in Food Microbiology/Mycology: A Data Driven Approach Speaker: Prof Vasilis Valdramidis, University of Malta, Malta (20 Minutes)
	<i>Sands Grand Ballroom P</i>	Biotechnology II Fostering Synergy Between Synthetic Biology and Systems Biology to Improve Filamentous Fungal Cell Factories Speaker: Prof Vera Meyer, Technical University of Berlin, Germany (20 Minutes) Saving Gaia with Green Biofactories Speaker: Dr Yvonne Chow, A*STAR, Singapore (20 Minutes) Chair: Prof Vera Meyer, Technical University of Berlin, Germany Adaptive Laboratory Evolution For Creating Glycerol-Assimilating Strains Of Saccharomyces Cerevisiae Oral Presenter: Dr Takashi Hirasawa Development Of A Highly Efficient Genetic Engineering Technique Using The Crispr/Cas9 Genome Editing System In The Industrial Filamentous Fungus Aspergillus Oryzae Oral Presenter: Prof Jun-Ichi
16:00 – 16:30	<i>Sands Grand Ballroom foyer</i>	Coffee Break
16:30 – 17:30	<i>Sands Grand Ballroom I – L</i>	Bridging Session – Immunity and Immune Evasion Chair: Prof Eliora Ron, Tel Aviv University, Israel



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Time	Room	Programme
		New Vaccines and Their Role in Fighting Antimicrobial Resistance Speaker: Dr Rino Rappuoli (BAM)
		Exploiting Innate Recognition Of B-Glucans In Fungal Vaccine Development Speaker: Prof Stuart Levitz, University of Massachusetts, USA (MEM)
		Interplay of Multiple Infections with the Immune System Speaker: Dr Tiffany Reese, UT Southwestern Medical Center, USA (VIR)



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21 July 2017, Friday

Time	Room	Programme
08:30 – 09:30	<i>Sands Grand Ballroom E – H</i>	Plenary – Mycobiome and Protozobiome Chair: Dr Thomas L. Dawson, Institute of Medical Biology, Agency for Science, Technology, and Research, Singapore Our Closest Neighbours – Mycobiome and Skin Health Speaker: Dr Niranjan Nagarajan, A*STAR, Singapore Identification of Reticulocyte Receptors for Plasmodium Vivax Malaria Speaker: Dr Laurent Renia, A*STAR, Singapore
09:30 – 10:00	<i>Sands Grand Ballroom foyer</i>	Coffee Break
10:00 – 11:00	<i>Sands Grand Ballroom E – H</i>	Plenary – Food Security / Safety Chair: Prof Gustavo Goldman, Universidade de São Paulo, Brazil Australian Food Biosecurity: Protecting the Canola and Grains Industry Speaker: A/Prof Alexander Idnurm, University of Melbourne, Australia Mycotoxins and Food Safety Speaker: Prof Yang Liu, Chinese Academy of Agricultural Sciences, China
11:00 – 12:00	<i>Sands Grand Ballroom I – L</i>	Closing Ceremony