

## CONFERENCE PROGRAMME

*Wednesday 16<sup>th</sup> August 2017*

TIME	EVENT	VENUE
08:00 – 09:00	Registration and welcome coffee	Ballroom Foyer
09:00 – 09:10	Welcome address by Prof. Dr. Hasidah Mohd. Sidek (MSBMB President)	Ballroom 2
<b>S1 Chairperson: Prof. Dr. Hasidah Sidek</b>		
09:10 – 09:50	<b>Plenary 1 - Aini Ideris</b> Unlocking the Wonders of Edible Bird Nest	Ballroom 2
09:50 – 10:15	<b>Invited 1 – Sadequr Rahman</b> Towards Increasing the Value of the Rice Crop	
10:15 – 10:45	Coffee Break/Poster Viewing/Judging Session/Scientific Exhibition	Ballroom Foyer
<b>S2 Chairperson: Assoc. Prof. Dr. Firdaus Raih</b>		
10:45 – 11:25	<b>Plenary 2 - GJ Wilhelmus Hol</b> A Structure-Guided Approach to the Design of Trypanosomatid tRNA Synthetase Inhibitors	Ballroom 2
11:25 – 11:50	<b>Invited 2 - Paul Michels</b> Drug Discovery for Neglected Tropical Diseases Caused by Trypanosomatids; Development of Selective Phosphofructokinase Inhibitors with Anti-Parasite Activity	
11:50 – 12:15	<b>Oral 1 - Mohd Shukuri Mohamad Ali</b> Crystallographic and Structural Analysis of Ground and Space Grown Thermostable Lipase Crystals from <i>Geobacillus zalihae</i>	
12:15 – 13:00	Poster Viewing/Judging Session/Scientific Exhibition	Ballroom Foyer
13:00 – 14:00	Lunch	Link All Day Dining
<b>S3 Chairperson: Prof. Dr. Sheila Nathan</b>		
14:00 – 14:15	<b>Oral 2 - Cahyo Budiman</b> Versatility of Peptidyl Prolyl Cis-Trans Isomerase: Functions Beyond Catalysis	Ballroom 2
14:15 – 14:30	<b>Oral 3 - Cha Thye San</b> Overexpression of Omega-3 Desaturase Gene in <i>Chlorella</i> <i>vulgaris</i> and its Effect on Fatty Acid Biosynthesis	
14:30 – 14:55	<b>Invited 3 - Zetty Norhana Balia Yusof</b> The Upregulation of Thiamine (Vitamin B1) Biosynthesis in <i>Elaeis guineensis</i> Seedlings Under Biotic and Abiotic Stress Conditions	

14:55 - 15:35	<b>Plenary 3 – Jae Chul Jeong</b> Comparative Transcriptome Analysis of Sweet-Potato in Response to Abiotic Stress	
15:35 – 16:00	Coffee Break/Poster Viewing/Judging Session/Scientific Exhibition	Ballroom Foyer
<b>S4 Chairperson: Dr. Noor Azmi Shaharuddin</b>		
16:00 – 16:15	<b>Oral 4 – Roya Biabanikhankahdani</b> Conjugation of Tumor-Targeting Molecule to Virus-like Nanoparticles via Nanoglue for Cancer Targeting Drug Delivery	Ballroom 2
16:15 – 16:30	<b>Oral 5 - Mohammad Tasyriq Che Omar</b> Generation of a Functional Single-Chain Variable Fragment (scFv) Against HIV-1 Capsid Protein (p24)	
16:30– 16:55	<b>Invited 4 - Sandy Loh</b> Production of Avian Influenza H5N1 Vaccine Candidate Using a Modified Plant Virus-based Transient Expression Strategy	
16:55 - 17:20	<b>Invited 5 - Chan Yoke Fun</b> Enterovirus A71 Uses Cell Surface Heparan Sulfate Glycosaminoglycan as an Attachment Receptor	
17:20 - 18:30	<b>Science Forum</b>	
17:20 - 18:45	<b>MSBMB AGM</b>	
18:45 – 20:30	<b>MSBMB High Tea 2017</b>	

*Thursday 17<sup>th</sup> August 2017*

TIME	EVENT	VENUE
<b>YSN Chairperson: Assoc. Prof. Dr. Renee Lim</b>		
08:00 – 09:00	Meet the Experts: Networking Session for Young Scientists and Postgraduate Students (Session Co-hosted by MSBMB and YSN-ASM) <b>Prof. Dr. Liong Min Tze</b> <b>Assoc. Prof. Dr. Chan Yoke Fun</b> <b>Assoc. Prof. Dr. Cheah Yoke Kqueen</b>	Ballroom Foyer
<b>S5 International Symposium of Animal Cell Technology</b> <b>Chairpersons: Prof. Dr. Tey Beng Ti &amp; Prof. Dr. Hideki Yamaji</b>		
09:00 - 09:05	<b>Welcome Remarks - Prof. Dr. Hideki Yamaji</b>	
09:05 – 09:45	<b>Plenary 4 – Takeshi Omasa</b> Integrated Next-Generation Cell and Cell Culture Engineering for Production of Biologics	Ballroom 2
09:45 – 10:10	<b>Invited 6 - Satoshi Terada</b> Silk Protein Sericin as Bio-Active Supplement for Mammalian Culture	
10:10 – 10:35	<b>Invited 7 – Wang Yi-Ching</b> The Role of Rab37-Mediated Exocytosis in Tumorigenesis	
10:35 – 11:55	Coffee Break/Poster Viewing/Judging Session/Scientific Exhibition	Ballroom Foyer
11:55 – 11:20	<b>Invited 8 - Atsushi Yamanaka</b> A Single Amino Acid Substitution in the Envelope Protein of Dengue Virus Suppressed Induction of Infection-Enhancing Antibody in a Mouse-DNA Vaccine Model	Ballroom 2
11:20 – 11:45	<b>Invited 9 - Lim Kue Peng</b> Cancer Immunotherapy: Advances and Pitfalls	
11:45 – 12:10	<b>Invited 10 - Kyung-Hee Chun</b> WNT Signaling Induces Galectin-3 Dependent STAT3 Activation and Accelerates Gastric Tumorigenesis	
12:10 - 12:35	<b>Invited 11 - Ng Say Kong</b> Optimization of Recombinant Protein Production Using Mammalian Cell Culture	
12:35 – 13:05	Poster Viewing/Judging Session/Scientific Exhibition	Ballroom Foyer
13:05 – 14:05	<b>Lunch</b>	Link All Day Dining

<b>S6 Chairperson: Prof. Dr. Lim Yang Mooi YSN-ASM &amp; MSBMB Young Investigators Session</b>		
14:05 – 15.35	<p><b>Nur Shafika Mohd Sairazi</b> Neuroprotective Effect of Tualang Honey on Kainic Acid-Induced Excitotoxicity in Rat Brain</p> <p><b>Cheng Hong Sheng</b> Tocotrienol-Rich Fraction Rescued Hypertension, Hypercholesterolaemia and Overexpression of Receptor for Advanced Glycation End Product in Rats on High-Fat Diet</p> <p><b>Yip Chee-Hoo</b> Construction of the Red Pigment Prodigiosin Operons Using a Synthetic Biology Approach</p> <p><b>Khong Mei Li</b> Polyphosphate: A Mediator of Protein Folding in Osteoblasts</p> <p><b>De-Sheng Ker</b> Purification, Biochemical Characterization and 3D-Structure Analysis of Sesquiterpene Synthase from <i>Persicaria minor</i></p> <p><b>Safoora Amini</b> Identification of Genes Associated with Floral Transition and Flower Development in <i>Rafflesia cantleyi</i></p> <p><b>Lew Min Han</b> Combined Molecular Adjuvant (CASAC) Enhances Humoral and Cellular Immune Response Against 16kDa Alpha-Crystalline Tuberculosis Antigen</p> <p><b>Norfarrah Mohamed Alipiah</b> Conserved Bacterial Small RNAs Exhibit Important Functions in Stressed <i>Burkholderia pseudomallei</i></p> <p><b>Low Yi Yik</b> Adaptive Mechanisms of <i>Bacillus cereus</i> Isolated from Mamut Copper Mine Soil Sample</p> <p><b>Dayyabu Shehu</b> Site-Directed Mutagenesis, Characterization and Study of the Interaction of Organochlorine Pesticides with Wild Type and Mutant Glutathione S-transferases from <i>Acidovorax</i> sp. KKS102</p> <p><b>Gan Chai Phei</b> Drug Repurposing for the Treatment of Head and Neck Cancer</p>	Ballroom 2
15:35 - 16:00	Coffee Break	Ballroom Foyer

<b>S7 Chairperson: Assoc. Prof. Dr. Hwang Jung Shan</b>		
16:00 – 16:25	<b>Invited 12 - Liong Min Tze</b> Health Benefits of Probiotics	Ballroom 2
16:25 - 16:40	<b>Oral 6 - Shazrul Fazry Sa'ariwijaya</b> The Effect of MRN Complex and ATM Kinase Inhibitors on UVC-Treated Zebrafish Embryonic Development	
16:40 – 16:55	<b>Oral 7 - Jaime Jacqueline Jayapalan</b> Serum and Urine Inter-Alpha-Trypsin Inhibitor Peptides: A Potential Biomarker for Differentiating Cancer from Benign Prostate	
16:55 - 17:15	<b>TechTalk – Mio Tonouchi</b> SMRT Sequencing for Complete Genomes	
17:15 – 17:45	<b>AWARDS PRESENTATION AND CLOSING CEREMONY</b>	