

ICMBB & 23rd Scientific Meeting of MSMBB – PROGRAMME

Day 1: Wednesday, 9th March 2016		
Time	Event	
8:00 - 9:00am	Registration	
Opening & Keynote Session Venue: Auditorium Chairperson: Professor Dr. Jennifer Ann Harikrishna, University of Malaya (Head, Scientific Organising Committee)		
9:00 - 9:10am	Opening Remarks by President of MSMBB, Associate Professor Dr. Kanthimathi M S Subramaniam, University of Malaya (UM), Malaysia	
9:10 - 9:20am	Opening Remarks by Guest of Honour, Professor Dr. Awg Bulgiba Awg Mahmud, Deputy Vice Chancellor (Academic & International), UM, Malaysia	
9:20 - 10:00am	Keynote Address: "Plant science in the era of changing climate" Professor Dr. Takashi Hashimoto, Nara Institute of Science & Technology (NAIST), Japan	
10:00 - 10:30am	Photo session followed by tea break / poster session / visit scientific exhibition	
Session 1A/1M	1A. Agribiotech & Molecular Biology Venue: Auditorium Chairperson: Professor Dr. Rofina Yasmin Othman, UM	1M. Medical Biotech & Molecular Biology Venue: Prism & Spectrum Chairperson: Associate Professor Dr. Noriaki Sasai, NAIST
10:30 - 11:00am	Plenary lecture: "Kinases, stomates and microbes: Multiple ways to improve abiotic stress resistance of plants" Professor Dr. Heribert Hirt, King Abdullah University of Science and Technology (KAUST), Saudi Arabia	Plenary lecture: "Molecular approaches in fighting MND" Professor Dr. Steve Langford, Monash University Malaysia, Malaysia
11:00 - 11:20am	Invited lecture: "Plant fitness benefits mediated by the root endophyte <i>Colletotrichum tofieldiae</i> are phosphate status-dependent" Assistant Professor Dr. Kei Hiruma, NAIST, Japan	Invited lecture: "Cell-based assays to identify regulators of hypoxia-inducible factors" Associate Professor Dr. Norazizah Shafee, Universiti Putra Malaysia, Malaysia
11:20 - 11:40am	Invited lecture: "Larger genetic difference between parents inducing larger fitness among seedlings in a tropical forest tree species" Dr. Naoki Tani, Japan International Research Center for Agricultural Sciences, Japan, & Forest Research Institute Malaysia, Malaysia	Invited lecture: "Functional analysis of a BTB domain-containing zinc finger protein CIBZ in mammalian cells" Assistant Professor Eishou Matsuda, NAIST, Japan
11:40am - 12:00pm	Invited lecture: "Orchid biotechnology: RNA silencing using direct application of dsRNA" Professor Dr. Jennifer Ann Harikrishna, University of Malaya, Malaysia	Invited lecture: "microRNAs of endothelial cell senescence" Associate Professor Dr. Wong Pooi Fong, University of Malaya, Malaysia
12:00 to 2:00pm	Lunch / poster session / visit scientific exhibition (1:00-2:00pm *poster judging session 1)	

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Session 2E/2M	2E. Environmental Biotechnology & Molecular Biology. Venue: Auditorium Chairperson: Professor Dr. Heribert Hirt, KAUST	2M. Medical Biotech & Molecular Biology Venue: Prism & Spectrum Chairperson: Associate Professor Dr. Wong Pooi Fong, UM
2:00 - 2:30pm	Plenary lecture: “Novel microbial and drug discoveries from the Antarctica” Associate Professor Dr. Cheah Yoke Kqueen, University Putra Malaysia, Malaysia	Plenary lecture: “Development and maintenance of the central nervous system - toward clinical applications” Associate Professor Dr. Noriaki Sasai, NAIST, Japan
2:30 - 2:50pm	Invited lecture: “Bacterial toxin-antitoxin systems as tools for cell ablation and containment” Professor Dr. Yeo Chew Chieng, Universiti Sultan Zainal Abidin, Malaysia	Invited lecture: “The complex path to site-specific actions of Focal Adhesion Kinases” Associate Professor Dr. Stefan Arnold, KAUST, Saudi Arabia
2:50 - 3:10pm	Invited lecture: “Decoding weedy rice adaptation in rice agro-ecosystems using ecological genetics approaches” Dr. Muhamad Shakar bin Mispan, University of Malaya, Malaysia	Invited lecture: “Size regulation of the laterality organ in zebrafish” Assistant Professor Dr. Takaaki Matsui, NAIST, Japan
3:10 - 4:10pm	Tea break / poster session / visit scientific exhibition	
Session 3B/3I	3B. Microbial Biotech & Molecular Biology Venue: Auditorium Chairperson: Professor Dr. Koshy Philip, UM	3I. Industrial Biotech & Molecular Biology Venue: Prism & Spectrum Chairperson: Dr. Koh Chong Lek, UM
4:10 - 4:30pm	Invited lecture: “DNA polymerase epsilon of <i>Saccharomyces cerevisiae</i> : A link between DNA replication and inheritance of epigenetic information” Assistant Professor Dr. Satoko Maki, NAIST, Japan	Invited lecture: “From lab to market of rhEGF as cosmeceutical skincare products” Dr. Koh Chong Lek, University of Malaya, Malaysia
4:30 - 4:50pm	Invited lecture: “Molecular epidemiology of <i>Plasmodium knowlesi</i> , an emerging zoonotic malaria parasite in Southeast Asia” Professor Dr. Fong Mun Yik, University of Malaya, Malaysia	Invited lecture: “Single molecule real time sequencing - going beyond the genome assembly” Dr. Stephen Rudd, Territory Manager, Pacific Biosciences, Singapore
4:50 - 5:05pm	“The vistas of plant-microbe interaction” Dr. Umaiya Munusamy, University of Malaya, Malaysia	“Protocol development for microbial biomolecule quality assessment via spectral content profiling” Associate Professor Dr. Crystale Lim Siew Ying, UCSI University, Malaysia
5:05 - 6:00pm	Poster session / visit scientific exhibition	
6:00 - 8:00pm	MSMBB dinner	

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Day 2: Thursday, 10th March 2016		
Time	Event	
8:00 - 8:30am	Poster viewing	
Session S/1	MSMBB 23rd scientific meeting (S) Venue: Auditorium Chairperson: Professor Dr. Hisaji Maki, NAIST, co-organizer of ICMBB	
8:30 - 9:15am	Keynote Address: "Memories of Asilomar: Out of Africa into a gene edited future" Professor Dr. Maude Elvira Phipps, Monash University Malaysia, Malaysia	
9:15 - 9:45am	Annals of Botany Sponsored Plenary Lecture: "Plant virus discovery using next generation sequencing and its implications for biosecurity" Dr. Brendan Rodoni, La Trobe University, Australia	
9:45 - 10:30am	Tea break / poster session / visit scientific exhibition	
Session S/3M (continued)	MSMBB 23rd scientific meeting (S) <i>(continued)</i> Venue: Auditorium Chairperson: Professor Dr. Fong Mun Yik, UM	3M. Medical Biotech & Molecular Biology <i>(continued)</i> Venue: Prism & Spectrum Chairperson: Associate Professor Dr. Noor Hana Hussein, UiTM
10:30 - 11:00am	Plenary lecture: "Effects of nutrition and oxygen on spontaneous mutagenesis caused by oxidative DNA damage" Professor Dr. Hisaji Maki, NAIST, Japan	Plenary lecture: "Chikungunya virus: Developing therapeutics through understanding cellular mechanisms" Professor Dr. Duncan Smith, Mahidol University, Thailand
11:00 - 11:20am	Invited lecture: "Understanding cancer and therapeutic research" Professor Dr. Noor Hasima Nagoor, University of Malaya, Malaysia	Invited lecture: "A nickel-thiophene ligand complex reactivates the apoptotic signaling pathways in human breast and colon cancer cells" Associate Professor Dr. Kanthimathi M S Subramaniam, University of Malaya, Malaysia
11:20 - 11:40am	Invited lecture: "The analysis of oil palm proteins through proteogenomics" Associate Professor Dr. Chin Chiew Foan, University of Nottingham, Malaysia	Invited lecture: "Colorimetric detection of dengue by single tube reverse-transcription-loop-mediated isothermal amplification" Associate Professor Dr. Lau Yee Ling, University of Malaya, Malaysia
11:40am - 12:00pm	"Immuno-engineered mimotopes targeting KRAS(+) colorectal cancers: A new paradigm in peptide cancer vaccine development" Assistant Professor Dr. Lionel In Lian Aun, UCSI University, Malaysia	"JMJD8 is a positive regulator of TNF-induced NF-κB signaling" Dr. Lim Yat Yuen, University of Malaya, Malaysia
12:00 - 2:00pm	Lunch / poster session / visit scientific exhibition (1:00-2:00pm *poster judging session 2)	
Session S/2A	MSMBB 23rd scientific meeting (S) <i>(continued)</i> Venue: Auditorium	2A. Agbiotechnology/Molecular Biology Venue: Prism & Spectrum Chairperson: Professor Dr. Taku Demura, NAIST

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	Chairperson: Assistant Professor Dr. Satoko Maki, NAIST	
2:00 - 2:30pm	Plenary lecture: "Tough tomatoes - application of RNAi strategies for virus resistance" Professor Dr. Rofina Yasmin Othman, University of Malaya, Malaysia	Plenary lecture: "Rice is not rice - opportunities and advances in transgressive rice research" Professor Dr. Wickneswari Ratnam, Universiti Kebangsaan Malaysia, Malaysia
2:30 - 2:50pm	Invited lecture: "A-Z on banana micropropagation" Professor Dr. Norzulaani Khalid, University of Malaya, Malaysia	Invited lecture: "Studying plant immunity using <i>Agrobacterium</i> -mediated transient assays" Associate Professor Dr. Wong Hann Ling, Universiti Tunku Abdul Rahman, Malaysia
2:50 - 3:10pm	Invited lecture: "Improving the value of the rice crop: Genetic approaches" Professor Dr. Sadequr Rahman, Monash University Malaysia, Malaysia	Invited lecture: "The underground talk: Banana-nematode compatible interaction deciphered" Dr. Syarifah Aisyafaznim S. A. Rahman, University of Malaya, Malaysia
3:10 - 3:25pm	"Discovery of potential anticoagulant fraction from medicinal plant <i>Melastoma malabathricum</i> " Dr. Khoo Li Teng, University of Malaya, Malaysia	"Development of transgenic <i>Jatropha</i> expressing Cry1Ac genes" Dr. Purabi Mazumdar, University of Malaya, Malaysia
Session S/3A	MSMBB 23rd scientific meeting (S) (continued) Venue: Auditorium Chairperson: Professor Dr. Sadequr Rahman, Monash University Malaysia	3A. Agbiotechnology/Molecular Biology (continued) Venue: Prism & Spectrum Chairperson: Professor Dr. Toshiro Ito, NAIST
3:30 - 3:45pm	"Global MLST of <i>Salmonella typhi</i> revisited in post-genomic era: Genetic conservation, population structure and comparative genomics of rare sequence types" Professor Dr. Thong Kwai Lin, University of Malaya, Malaysia	"Overexpression of fragrance-related biosynthesis genes from <i>Polygonum minus</i> in <i>Escherichia coli</i> " Nor Azizun Rusdi, Universiti Kebangsaan Malaysia, Malaysia
3:45 - 4:00pm	"The symphony of flowering: Understanding the mechanisms of flowering in tropical tree species" Dr. Yeoh Suat Hui, University of Malaya, Malaysia	"Evaluation of the role of <i>Osmyb4</i> transcription factor in rice sheath blight disease resistance" Dr. Pooja Singh, University of Malaya, Malaysia
4:00 - 4:15pm	"Transcriptome analysis of dragon fruit (<i>Hylocereus polyrhizus</i>) in response to pathogen attack" Dr. Phoon Lee-Quen, Universiti Tunku Abdul Rahman, Malaysia	"Metabolic profiling of <i>Nepenthes ampullaria</i> , <i>Nepenthes rafflesiana</i> and <i>Nepenthes x hookeriana</i> " Muhammad Aqil Fitri Rosli, Universiti Kebangsaan Malaysia, Malaysia
4:15- 4:30pm	"Extractive bioconversion of gamma cyclodextrin by <i>Bacillus cereus</i> cyclodextrin glycosyltransferase using an alcohol/salt aqueous two-phase system" Lin Yu Kiat, University of Malaya, Malaysia	"Protein profiling of pitcher fluids from <i>Nepenthes ampullaria</i> , <i>Nepenthes rafflesiana</i> and <i>Nepenthes x hookeriana</i> " Muhammad Mu'izzuddin Zulkapli, Universiti Kebangsaan Malaysia, Malaysia
4:30 - 5:30pm	Tea break / poster session / visit scientific exhibition	
End of Day 2		

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Day 3: Friday, 11th March 2016	
Time	Event
8:00 - 8:30am	Poster viewing
Plenary Session S/5 Venue: Auditorium Chairperson: Professor Dr. Jennifer Ann Harikrishna, UM	
8:30 - 9:00am	Plenary lecture: "Elucidation of mechanisms underlying plant cell wall formation for improvement of lignocellulosic biomass production" Professor Dr. Taku Demura, NAIST, Japan
9:00 - 9:30am	Plenary lecture: "Rapid and efficient next generation sequencing strategies for small and medium scale genomic laboratories" Professor Dr. Chris Austin, Monash University Malaysia, Malaysia
9:30 - 10:00am	Plenary lecture: "Epigenetic processor to coordinate growth and differentiation in ever-changing environment" Professor Dr. Toshiro Ito, NAIST, Japan
10:00 - 10:45am	Tea break / poster viewing
Award Winners Session & Closing Ceremony Venue: Auditorium Chairperson: Associate Professor Dr. Kanthimathi M S Subramaniam, UM	
10:45 - 11.15am	Presentation by the winner of InPRAS 2016 Biotechnology (PhD level)
11:15 - 11:45am	Presentation by the winner of InPRAS 2016 Molecular Biology (PhD level)
11:45am - 12:15pm	Awards ceremony - poster prizes & lucky draw
12:15 - 12:30pm	Closing Address by chairs of the organising committee, Professor Dr. Noor Hasima Nagoor, UM, Malaysia, & Professor Dr. Hisaji Maki, NAIST, Japan
End of Conference	

**Participants will be asked to remain by their posters for judging between 1:00 to 2:00pm on Days 1 and 2*