

Program at the glance
The 10th International Mycological Congress (IMC10)
3-8 August 2014

To show more detail of the program, you can click S1-S56, SS1-7, SIG 1-8 on the below table

Time	Sun 3 August 2014	Monday 4 August 2014	Tuesday 5 August 2014	Wednesday 6 August 22014	Thursday 7 August 2014	Friday 8 August 2014																					
07.30 –08.00	Workshops	Registration/ Talk Uploading (30 min)																									
08.00- 08.30			Registration/ Talk Uploading/ Board Meetings etc. (1 hr)																								
08.30-09.00		Opening Ceremony (30 min)	Plenary 1: Morakot Tanticharoen (45 min)	Plenary 3: Joseph W. Spatafora (45 min)	Plenary 5: Xingzhong Liu (45 min)	Plenary 7: Gerald Bills (45 min)																					
09.00-09.15																											
09.15-09.30		<u>Keynote: Pedro W. Crous</u> (1 hr)	Plenary 2: Pier Luigi Nimis (45 min)	Plenary 4: June Kwon-Chung (45 min)	Plenary 6: Gregory Jedd (45 min)	Plenary 8: Lynne Boddy (45 min)																					
09.30-09.45																											
09.45-10.00		Coffee Break (30 min)	Coffee Break (30 min)	Coffee Break (30 min)	Coffee Break (30 min)	Coffee Break (30 min)																					
10.00-10.15																											
10.15-10.30		S1 (8.2)	S15 (8.3)	S29 (8.6)	S44 (5.4)	S50 (2.6)																					
10.30-11.00		S2 (2.1)	S16 (5.2)	S30 (3.3)	S36 (5.1)	S51 (8.1)																					
11.00-11.30		S3 (7.5)	S17 (7.6)	S31 (5.7)	S38 (2.5)	S52 (7.4)																					
11.30-12.00		S4 (1.1)	S18 (1.3)	S32 (1.5)	S39 (1.6)	S53 (3.6)																					
12.00-12.30	S5 (3.1)	S19 (2.3)	S33 (4.4)	S40 (3.4)	S54 (6.4)																						
12.30-13.00	S6 (4.1)	S20 (4.2)	S34 (3.2)	S41 (4.3)	S55 (7.2)																						
	S7 (6.5)	S56 (7.3)	S35 (6.7)	S42 (7.7)	SS7																						
	SS2	SS1	SS4	SS5																							
13.00-13.30	Registration	Lunch (1 hr)	Lunch (1 hr)	Lunch (1 hr)	Lunch (1 hr)	Closing Ceremony																					
13.30-14.00		Poster Session 1/ Coffee Break (1 hr 30 min)	Nomenclatural Session 1	Free Afternoon Or	SIG 7	Poster Session 3/ Coffee Break (1 hr 30 min)	Nomen-clatural Session 3																				
14.00-14.30																											
14.30-15.00		S8 (2.2)	S9 (4.5)	S10 (5.3)	S11 (8.4)	S12 (1.2)	S13 (2.4)	S14 (6.1)	SS3	S22 (6.2)	S23 (6.8)	S17 (7.6)	S24 (8.5)	S25 (1.4)	S26 (5.5)	S27 (3.7)	S28 (6.3)	BIOTEC technical visit at Thailand Science Park (Available for only 100 participants)	S37 (7.1)	S43 (4.7)	S45 (6.6)	S46 (1.7)	S47 (3.5)	S48 (4.6)	S49 (5.6)	SS6	
15.00-15.30																											
15.30-16.00		Welcome Reception	SIG 1	SIG 3	SIG 4	SIG 5	SIG 6	SIG 8	IAL meeting & dinner																		
16.00-16.30																											
16.30-17.00		Conference Dinner																									
17.00-17.30																											
17.30-18.00																											
18.00-18.30																											
18.30-19.00																											
19.00-19.30																											
19.30-20.00																											
20.00-20.30																											

Day 1 (Morning)

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08.00 –08.30	Registration/Talk Uploading				
08.30 –09.30	Opening Ceremony				
09.30 –10.30	Keynote Speaker Linking Life By Pedro W. Crous Universities of Utrecht, Wageningen (NL), Stellenbosch, Pretoria & Free State (SA), the Netherlands				
10.30 –11.00	Coffee Break				
	S1	S2	S3	S4	S5-S7,SS2
	ST8: Interdisciplinary Symposia	ST2: Genomics, Genetics and Molecular Biology	ST7: Biotechnology and Applied Aspects	ST1: Cell Biology, Biochemistry and Physiology	Program on page 3-4
	Topic2: Understanding the evolution of fungi in space and time	Topic1: Genome Wide Association Studies and population genomics of fungi	Topic5: System & synthetic biology towards a next generation fungal biotechnology	Topic1: Stress metabolism and cell face	
11.00 –11.20	A population genomic view of divergence and differentiation in fungi By John W. Taylor , University of California, Berkeley, USA	Genome wide association in <i>Heterobasidion</i> for pathogenesis genes By Jan Stenlid , Swedish University of Agricultural Sciences, Sweden	Systems biology towards chemical building blocks By Peter J.Punt , Leiden University, the Netherlands	Metabolic shifts in the TCA/glyoxalate cycles and programmed cell death By Amir Sharon , Tel Aviv University, Israel	
11.20 –11.40	The evolution and diversification of lichen symbioses By Matthew Nelsen , The Field Museum, USA	Population genomics of local adaptation in <i>Botrytis</i> By Daniel Henk , Imperial College, UK	Fungal Systems Biology towards fungus enzymes for food and feed applications By Hua Ming Wang , Chinese Academy of Science, P.R. China	A protein appearing at the cell-to-cell channel and stress granules under stress conditions By Jun-ichi Maruyama , University of Tokyo, Japan	
11.40 –12.00	Inferring the global distribution of macro-fungi using international nucleotide sequence database By Hirotoshi Sato , Kyoto University, Japan	Population genetic and genomic approaches for understanding the emergence of fungal plant pathogens By Marin Brewer , University of Georgia, USA	Reconstruction and systems analysis of plant cell wall deconstruction network in filamentous fungus <i>Neurospora crassa</i> By Areejit Samal , The Institute of Mathematical Sciences, Italy	Mitochondrial membrane dynamics and quality control during fungal aging By Heinz D. Osiewacz , Johann Wolfgang Goethe University Frankfurt, Germany	
12.00 –12.20	Insights into the evolutionary history and historical biogeography of Parmeliaceae (Ascomycota) By Pradeep K. Divakar , Universidad Complutense de Madrid, Spain	O 2.1.1 <i>Fusarium</i> Pathogenomics: understanding fungal Pathogenicity through genomics By Li-Jun MA , UMass Amherst, USA	Machine learning approaches to identify functionally related proteins based on composition and character By Gregory Jedd , The National University of Singapore, Singapore	Cell death decisions: The interplay of apoptosis and autophagy in fungal pathogenic development By Martin Dickman , Texas A&M University, USA	
12.20 –12.35	O 8.2.1 Relating architecture to function in saprotrophic and mycorrhizal networks By Mark D Fricker , University of Oxford, UK	O 2.1.2 Leveraging RNA-Seq data to study population structure of lichen symbionts in a culture-free framework By Toby Spribille , University of Graz Institute of Plant Sciences, Austria	O 7.5.1 Density-weighted algorithms detected integral alterations of molecular and proteomic polymorphisms during <i>Cordyceps sinensis</i> maturation By Zhu Jia-Shi , Hong Kong Polytechnic University, United States	O 1.1.1 <i>Aspergillus nidulans</i> thioredoxin-like protein functions under hypoxic conditions By Hiroyuki Abe , University of Tsukuba, Japan	

	S1	S2	S3	S4	S5-S7,SS2
	ST8: Interdisciplinary Symposia	ST2: Genomics, Genetics and Molecular Biology	ST7: Biotechnology and Applied Aspects	ST1: Cell Biology, Biochemistry and Physiology	Program on page 3-4
	Topic2: Understanding the evolution of fungi in space and time	Topic1: Genome Wide Association Studies and population genomics of fungi	Topic5: System & synthetic biology towards a next generation fungal biotechnology	Topic1: Stress metabolism and cell face	
12.35 –12.50	<u>O 8.2.2</u> From shade to sun: evolution of the Teloschistales By Ester Gaya, Royal Botanic Gardens, Kew, USA	<u>O 2.1.3</u> Insights in the genome structure and sequence of the phytopathogenic fungus Rhizoctonia solani AG1-IB By Rita Grosch, Leibniz Institute of Vegetable and Ornamental Crops, Germany	<u>O 7.5.2</u> Characterisation of Caenorhabditis elegans P-glycoproteins involved in drug resistance by functional hyperexpression in the model yeast Saccharomyces cerevisiae By Kyoko Niimi, University of Otago, New Zealand		
12.50 –13.05	<u>O 8.2.3</u> Adaptive evolution modeling reveals a high degree of niche conservatism in Baeomycetalean fungi By Philipp Resl, Institute of Plant Sciences	<u>O 2.1.4</u> Population genetic diversity and pathogenicity of Colletotrichum coccodes, causal agent of black dot disease of potatoes in Australia By Paul W.J. Taylor, University of Melbourne, Australia			
		<u>O 2.1.5</u> Phenotyping of an experimental mating population of Neurospora crassa reveals optimal reproductive output at intermediate genetic distances By Kolea Zimmerman, Harvard University, USA			
13.05 –14.00	Lunch		13.30 – 15.30 Nomenclatural Session 1: The evolving world of fungal nomenclature: Registries, governance and new proposals		
14.00 –15.30	Poster Session 1 / Coffee Break				

Day 1 (Morning)

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09.30 –10.30	Keynote Speaker Linking Life By Pedro W. Crous Universities of Utrecht, Wageningen (NL), Stellenbosch, Pretoria & Free State (SA), the Netherlands				
10.30 –11.00	Coffee Break				
	S1-S4	S5	S6	S7	SS2
	Program on page 1-2	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST4: Environment, Ecology and Interactions	ST6: Diversity and Conservation	Sustainable development of fungal resources
		Topic1: Parallels and difference between fungal pathogenesis of plants and animals	Topic1: Plant-fungal symbioses in a changing world	Topic5: Diversity and ecology of wood-associated fungi: from boreal to tropical forests	
11.00 –11.20		Cell wall polysaccharides play an essential role during host-fungus interactions By Jean-Paul Latge , Institut Pasteur de Paris, France	Global biodiversity of soil fungi and the potential effect of climate change By Leho Tedersoo , University of Tartu, Estonia	Effects of forest managements on wood-inhabiting polypores By Tsutomu Hattori , Forestry and Forest Products Research Institute, Japan	O SS2.1 Phytase activity in <i>Evernia prunastri</i> By Niall Francis Higgins , University of Nottingham, UK
11.20 –11.40		Role of fungal apoptosis in virulence and pathogenesis By Neta Shlezinger , Tel Aviv University, Israel	Impacts of rising CO ₂ on the establishment and transcriptional control of mutualistic fungal associations By Jonathan Plett , University of Western Sydney, Australia	What can Citizen Science tell us about host selectivity and species richness in wood-inhabiting fungi? By Jacob Heilmann-Clausen , University of Copenhagen, Denmark	O SS2.2 Utilization of selected urban wastes as substrate solutions in the growth and yield performance of <i>Pleurotus sajor-caju</i> (Fr.) singer (Gray Oyster Mushroom) By Lourdes Valerio Alvarez , Polytechnic University of the Philippines, the Philippines
11.40 –12.00		Role of iron regulation in fungal virulence and commensalism: involvement of interactions between host, pathogen and microbiota By Changbin Chen , Chinese Academy of Sciences, P.R. China	Bolete biogeography in a changing world By Roy Halling , The New York Botanical Garden, USA	Molecular ecology or natural history? Both: approaches and toolbox By Dmitry Schigel , University of Helsinki, Finland	O SS2.3 Synergetic effect of elicitors and environment on the production of the anti-cancer drug taxol by endophytic fungi By Naresh Magan , Cranfield University, UK
12.00 –12.20		Role of small secreted protein effectors in fungal disease By Barbara Howlett , University of Melbourne, Australia	O 4.1.1 Variation in systemic fungal endophyte infection and ploidy level in <i>Festuca rubra</i> L. across latitudes By Serdar Dirihan , University of Turku, Finland	Diversity of wood-inhabiting polypores in Southeast Asia By Satoshi Yamashita , Japan	
12.20 –12.35		O 3.1.1 Analysis of <i>Candida albicans</i> ABC transporter Cdr1p mutants resistant to efflux pump inhibitors By Masakazu Niimi , University of Otago, New Zealand	O 4.1.2 Temporal turnover of ectomycorrhizal fungal community in a subtropical evergreen forest in Japan By Shunsuke Matsuoka , Kyoto University, Japan	O 6.5.1 Ecological patterns of Polypores at three scales in China: between angiosperm and gymnosperm trees, along altitudinal and latitudinal gradients By Li-Wei Zhou , Institute of Applied Ecology, Chinese Academy of Sciences, P.R. China	

	S1-S4	S5	S6	S7	SS2
	Program on page 1-2	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST4: Environment, Ecology and Interactions	ST6: Diversity and Conservation	Sustainable development of fungal resources
		Topic1: Parallels and difference between fungal pathogenesis of plants and animals	Topic1: Plant-fungal symbioses in a changing world	Topic5: Diversity and ecology of wood-associated fungi: from boreal to tropical forests	
12.35 –12.50		0 3.1.2 <i>Verticillium</i> transcription activator of adhesion Vta2 suppresses microsclerotia formation and is required for systemic infection of plant roots By Susanna A. Braus-Stromeier , Georg-August-University of Göttingen, Germany	0 4.1.3 Variation in forest soil fungal diversity along a latitudinal gradient By Peter Mortimer , Kunming Institute of Botany, P.R. China	0 6.5.2 Linking Fungal Communities To Wood Density Loss After 12 Years Of Log Decay By Ariana Kubartova , Department of Forest Mycology and Plant Pathology, SLU, Sweden	
12.50 –13.05					
13.05 –14.00	Lunch			13.30 – 15.30 Nomenclatural Session 1:	
14.00 –15.30	Poster Session 1 / Coffee Break			The evolving world of fungal nomenclature: Registries, governance and new proposals	

Day 1 (Afternoon)

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	S8	S9	S10	S11	S12-S14,SS3
	ST2: Genomics, Genetics and Molecular Biology	ST4: Environment, Ecology and Interactions	ST5: Phylogenetics, Evolution and Systematics	ST8: Interdisciplinary Symposia	Program on page 7-8
	Topic2: Fungal metabolomics and synthetic genomics	Topic5: Diversity and ecology of endophytes	Topic3: Diversity assessment, community ecology and species discovery using high throughput sequencing	Topic4: Current perspectives on the phylogeny and taxonomy of Oomycetes	
15.30 –15.50	Secondary metabolites: comparative genomics, evolution, and function in development and interaction biology of <i>Cochliobolus</i> species By Barbara Gillian Turgeon , Cornell University, USA	Chemical ecology mediated by fungal endophytes By Kari Saikkonen , MTT Agrifood Finland, Plant Production Research, Finland	Fine-scale spatial structure of belowground communities revealed by pyrosequencing By Mohammad Bahram , University of Tartu, Estonia	An overview of oomycete phylogeny with emphasis on early diverging clades By Gordon Beakes , Newcastle University, UK	
15.50 –16.10	Secondary metabolism and biotrophic lifestyle in the tomato pathogen <i>Cladosporium fulvum</i> : from comparative genomics to reconstruction of biosynthetic pathways By Jérôme Collemare , Wageningen University, The Netherlands	Some unaddressed issues of the horizontally transmitted endophytes By T. S. Suryanarayanan , Vivekananda Institute of Tropical Mycology, India	Recent progress in sequence-based classification of Fungi By David Hibbett , Clark University, USA	Saprolegniomycete diversity By Javier Diéguez-Urbeondo , Real Jardín Botánico, Spain	
16.10 –16.30	Zooming in on host-fungal interactions using microengineered platforms By Erwin Berthier , University of Wisconsin, USA	The ecological consequences of hybridization in asexual grass endophytes By Stanley Faeth , The University of North Carolina Greensboro, USA	Structure and dynamics of fungal communities in forest soils By Jana Voříšková , University of Copenhagen, Denmark	Untangling <i>Pythium</i> , <i>Lagenidium</i> and their relatives By André Levesque , Agriculture and Agri-Food Canada, Canada	
16.30 –16.50	The secondary metabolome of <i>Tolypocladium inflatum</i> : roles in insect pathogenesis By Kathryn Bushley , University of Minnesota, USA	Grass endophytes and multi-trophic interactions By Jochen Krauss , University of Würzburg, Germany	Foliar fungal microbiomes are shaped by environmental and host genetic factors under climate change By Miklós Bálint , Biodiversity and Climate Research Centre, Germany	Peronosporomycete diversity 2. Obligate Plant pathogens – Albuginales and Peronosporaceae By Marco Thines , Biodiversity and Climate Research Centre, Germany	
16.50 –17.05	O 2.2.1 Mining the genomes of lichen-forming fungi for biosynthetic genes By Anjuli Meiser , Biodiversity and Climate Research Centre, Germany	O 4.5.1 Effect of forest isolation with urbanization on endophytic fungal community in Japanese temperate forest By Emi Matsumura , The University of Tokyo, Japan	O 5.3.1 Illumina sequencing of arbuscular mycorrhizal fungi: quantity and quality By Maarja Opik , University of Tartu, Estonia	O 8.4.1 Distinguishing labyrinthulomycetes genera using molecular phylogeny and Matrix-Associated Laser Desorption Ionization-Time of Flight Mass Spectrometry By Satoshi Sekimoto , National Institute Of Technology And Evaluation, Japan	
17.05 –17.20	O 2.2.2 Secondary metabolite gene clusters in the necrotrophic plant pathogen <i>Corynespora cassiicola</i> causing <i>Corynespora</i> target spot of tomato By Motoichiro Kodama , Tottori University, Japan	O 4.5.2 Saprotrrophic soil fungi shape the endophytic communities in mistletoes and their pine hosts By Derek Persoh , Ruhr-Universität Bochum, Germany	O 5.3.2 Using ion semiconductor sequencing to determine diversity and distribution of marine and estuarine fungi By Kathryn Picard , Duke University, USA	O 8.4.2 A taxonomic revision of <i>Phytophthora</i> clade 5 By Bevan S. Weir , Landcare Research, New Zealand	

	S8	S9	S10	S11	S12-S14,SS3
	ST2: Genomics, Genetics and Molecular Biology	ST4: Environment, Ecology and Interactions	ST5: Phylogenetics, Evolution and Systematics	ST8: Interdisciplinary Symposia	Program on page 7-8
	Topic2: Fungal metabolomics and synthetic genomics	Topic5: Diversity and ecology of endophytes	Topic3: Diversity assessment, community ecology and species discovery using high throughput sequencing	Topic4: Current perspectives on the phylogeny and taxonomy of Oomycetes	
17.20 –17.35		<u>O 4.5.3</u> Biogeographic distribution of Botryosphaeriaceae as an illustration of the global movement of plant associated fungi By Bernard Slippers , Forestry and Agricultural Biotechnology Institute, University of Pretoria, South Africa	<u>O 5.3.3</u> Importance of location, soil abiotic factors and vegetation on fungal community composition in a mixed temperate forest By Barbara Doreen Bahnmann , Institute of Microbiology, ASCR vvi, Czech Republic		
17.35 –19.30	Welcome Reception				

Day 1 (Afternoon)

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	S8-S11	S12	S13	S14	SS3
	Program on page 5-6	ST1: Cell Biology, Biochemistry and Physiology	ST2: Genomics, Genetics and Molecular Biology	ST6: Diversity and Conservation	Fungal foes: plant and animal pathogens
		Topic2: Fungal tip growth	Topic4: Genetics and genomics of fungal host-specificity and evasion of host immunity	Topic1: Conservation of fungi: essential components of the global ecosystem	
15.30 –15.50		Organization of the secretory apparatus in <i>Neurospora crassa</i> By Meritxell Riquelme , Center for Scientific Research and Higher Education, Mexico	Genome evolution at fungal-host interfaces By Li-Jun Ma , University of Massachusetts Amherst, USA	Incorporating conservation assessments into taxonomic revisions: lessons learned from Hydnangiaceae By Gregory Mueller , Chicago Botanic Garden, USA	O SS3.1 Dive cryptic diversity and distribution of phytopathogenic species in the <i>Neofusicoccum parvum</i> / <i>N. ribis</i> Complex By Draginja Pavlic-Zupanc , Plant Protection Research Institute, Agricultural Research Council (ARC-PPRI), South Africa
15.50 –16.10		mRNA transport meets membrane trafficking during fungal tip growth By Michael Feldbrügge , Heinrich Heine University Düsseldorf, Germany	The genome of <i>Ophiocordyceps polyrhachis-furcata</i> : from actions on the surface to host-specificity By Duangdao Wichadakul , National Center for Genetic Engineering and Biotechnology, Thailand	The Chinese caterpillar fungus - on the way to extinction? By Paul Cannon , Royal Botanic Gardens, UK	O SS3.2 New invasions of the needle blight pathogen <i>Dothistroma septosporium</i> in Colombia By Irene Barnes , Forestry and Agricultural Biotechnology Institute (FABI), South Africa
16.10 –16.30		Evolution of division site positioning mechanisms within the fission yeast clade By Snezhka Oliferenko , King's College, London	O 2.4.1 Analysis of specific components of the predicted <i>Fusarium graminearum</i> secretome expressed early during wheat ear infection By Ana Karla Freitas Machado , Rothamsted Research, UK	Conservation of economically important wild mushrooms in China By Zhu-Liang Yang , Chinese Academy of Sciences, P.R. China	O SS3.3 Good meets Evil: Interaction between alveolar macrophages and the human pathogenic zygomycete <i>Lichtheimia corymbifera</i> By Hea Reung Park , Jena Microbial Resource Collection, FSU Jena, Germany
16.30 –16.50		Guidance of microtubules in the hyphal tip of <i>Aspergillus nidulans</i> By Reinhard Fischer , Karlsruhe Institute of Technology, Germany	O 2.4.2 Identification of a hidden resistance gene in tetraploid wheat using laboratory strains of <i>Pyricularia oryzae</i> produced by backcrossing By Christian Joseph Rili Cumagun , University of the Philippines Los Banos, the Philippines	Ash dieback and associated lichens By Mari Jönsson, Göran Thor , Swedish University of Agricultural Sciences, Sweden	O SS3.4 The role of laccase of <i>Penicillium marneffe</i> on cytokine production in macrophage By Sirida Youngchim , Chiang Mai University, Thailand
16.50 –17.05		O 1.2.1 Hydraulic coupling and energetic constraints on fungal growth By Luke Heaton , University of Oxford, UK	O 2.4.3 Xylonaheveae (Xylonomycetes) genome: a window to fungal endophytism By Romina Gazis , Clark University, USA	O 6.1.1 Patterns and drivers of ectomycorrhizal diversity in North American Pinaceous Forests By Thomas Bruns , University of California Berkeley, USA	O SS3.5 Phylogenomic analysis of Magnaporthales: Evolution and taxonomy of the rice blast fungus and allies By Ning Zhang , Rutgers University, USA
17.05 –17.20			O 2.4.4 Protein-coding DNA repeats: A major driver of fungal proteome evolution? By Jan Schmid , Massey University, New Zealand	O 6.1.2 Species delimitation on European <i>Cantharellus</i> (Basidiomycota, Cantharellaceae) through a multigene phylogeny By Ibai Olariaga , University of Alcalá, Spain	O SS3.6 Phylogenetic relationships in the <i>Grosmannia piceiperda</i> complex By Yuhō Ando , University of Tsukuba, Japan

	S8-S11	S12	S13	S14	SS3
	Program on page 5-6	ST1: Cell Biology, Biochemistry and Physiology	ST2: Genomics, Genetics and Molecular Biology	ST6: Diversity and Conservation	Fungal foes: plant and animal pathogens
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17.20 –17.35			O 2.4.5 Hybridization and the impact on the evolution of the smut fungus <i>Microbotryum</i> By Britta Bueker , Ruhr-University Bochum, Germany	O 6.1.3 From overarching protection to underpinning science: the back-to-front world of fungal conservation? By A. Martyn Ainsworth , Royal Botanic Gardens Kew, UK	O SS3.7 Etiology of apple leaf spot caused by <i>Colletotrichum</i> spp. in China By Guangyu Sun , Northwest A&F University, P.R. China
17.35 –19.00	Welcome Reception				

Day 2 (Morning)

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 1: Strengthening mycological research through international collaboration: Thailand's experience By Morakot Tanticharoen King Mongkut's University of Technology Thonburi, Thailand National Science and Technology Development Agency, Thailand				
09.45 –10.30	Plenary 2 : Lichens, air pollution, and human health By Pier Luigi Nimis Department of Life Sciences, University of Trieste, Italy				
10.30 –11.00	Coffee Break				
	S15	S16	S17	S18	S19-S20, S56, SS1
	ST8: Interdisciplinary Symposia	ST5: Phylogenetics, Evolution and Systematics	ST7: Biotechnology and Applied Aspects	ST1: Cell Biology, Biochemistry and Physiology	Program on page 11-12
	Topic3: Evolution, ecology and genetics of specificity in fungal symbioses	Topic2: DNA barcoding of fungi	Topic6: Traditional Asian fermented food: their mycology, history, culture and future perspectives for human health	Topic3: Fungal tropisms	
11.00 –11.20	Genetics of host-specificity and function in mycorrhizal fungi (EMF) By Hui-Ling Liao , Duke University, USA	Future perspectives in DNA Barcoding By Johannes Benjamin Stielow , CBS-KNAW Fungal Biodiversity Centre, Netherlands	A secret and sophisticated Japanese food tradition, Koji By Hiroshi Konno , Akita Konno Co., Ltd., Japan	Specialization of GTPase function for positive and negative chemotropisms in <i>Neurospora crassa</i> germlings By Nick Read , The university of Manchester, UK	
11.20 –11.40	The human skin mycobiome By Keisha M. Findley , National Institute of Health, USA	Using cohesion-based methods and DNA barcoding to understand species delimitation in the lichen-forming fungal family Parmeliaceae (Ascomycota) By Thorsten Lumbsch , The Field Museum, USA	Microbiota of fermented foods in Myanmar By Katsuhiko Ando , National Institute of Technology and Evaluation (NITE), Japan	Contact-induced asymmetry drives the thigmotropic responses of <i>Candida albicans</i> hyphae By Alexandra Brand , University of Aberdeen, UK	
11.40 –12.00	Niche engineering demonstrates a latent capacity for fungal-algal mutualism By Erik Hom , University of Mississippi, USA	Fungal barcoding in China: current progress and future directions By Zhu-Liang Yang , Chinese Academy of Sciences, P.R. China	Food fermentation by fungi By Sittiwat Lertsiri , Mahidol University, Thailand	Tropic growth and cell fusion By Andre Fleissner , Technische Universität Braunschweig, Germany	
12.00 –12.20	Evolution of specificity within the lichen-forming genus <i>Peltigera</i> and its cyanobacterial partner: Consequences on speciation rate and geographical range. By Nicolas Magain , University of Liège, Belgium	DNA barcoding in <i>Candida</i> By Teun Boekhout , CBS-KNAW Fungal Biodiversity Centre, The Netherlands	O 7.6.1 Identification of the genes that affect productivity of organic acids in <i>Aspergillus kawachii</i> By Masatoshi Goto , Kyushu University, Japan	Phototropic growth responses By Alex Idnurm , University of Missouri-Kansas City, USA	
12.20 –12.35	What can >50,000 cultures tell us about the ecological specificity of endophytes and related fungi? By A. Elizabeth Arnold , University of Arizona, USA	DNA barcoding in Mucorales and its impact on taxonomy By Grits Walther , National Center for Invasive Mycoses, Germany	O 7.6.2 The analysis of the yeast flora and the characters of <i>Saccharomyces cerevisiae</i> population associated to msalais, a traditional alcohol beverage in southern Xinjiang, China By Lixia Zhu , Tarim University, P.R. China	O 1.3.1 Mechanical stress sensing in <i>Epichloë</i> fungal symbionts during colonization of grasses By K. G. Sameera Ariyawansa , AgResearch Limited, New Zealand	

	S15	S16	S17	S18	S19-S20, S56,SS1
	ST8: Interdisciplinary Symposia	ST5: Phylogenetics, Evolution and Systematics	ST7: Biotechnology and Applied Aspects	ST1: Cell Biology, Biochemistry and Physiology	Program on page 11-12
	Topic3: Evolution, ecology and genetics of specificity in fungal symbioses	Topic2: DNA barcoding of fungi	Topic6: Traditional Asian fermented food: their mycology, history, culture and future perspectives for human health	Topic3: Fungal tropisms	
12.35 –12.50	O 8.3.1 Bar-coded amplicon 454 pyrosequencing for barcoding mycobiont-photobiont interactions in Swiss lichens By Kristina Mark, Swiss Federal Research Institute WSL, Switzerland	O 5.2.1 Radiating Ramularia revisited By Sandra Isabel Rodrigues Videira, CBS-KNAW, the Netherlands	O 7.6.3 Dominant fungi observed in the solid-state fermentation of Pu-erh tea By Qiuping Wang, Kasetsart University, Thailand	O 1.3.2 CAT fusion in Fusarium oxysporum and the role of Ca2+ signaling By Smija Mariam Kurian, University of Manchester, UK	
12.50 –13.05		O 5.2.2 ISHAM-ITS reference database for human and animal pathogenic fungi By Laszlo Irinyi, University of Sydney, Australia			
		O 5.2.3 (13.05-13.20) Response of soil fungal communities to extended drought By Philipp-André Schmidt, Biodiversity and Climate Research Centre, Germany			
13.05 –14.00	Lunch		13.30 – 15.30 Nomenclatural Session 2: What generic names should we use? The generic lists (& review of session 1)		
14.00 –15.30	Poster Session 2 / Coffee Break				

Day 2 (Morning) [return to Program at the glance](#)

08.00 –09.00	Registration/Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 1: Strengthening mycological research through international collaboration: Thailand's experience By Morakot Tanticharoen King Mongkut's University of Technology Thonburi, Thailand National Science and Technology Development Agency, Thailand				
09.45 –10.30	Plenary 2 : Lichens, air pollution, and human health By Pier Luigi Nimis Department of Life Sciences, University of Trieste, Italy				
10.30 –11.00	Coffee Break				
	S15-S18	S19	S20	S56	SS1
	Program on page 9-10	ST2: Genomics, Genetics and Molecular Biology	ST4: Environment, Ecology and Interactions	ST7: Biotechnology and Applied Aspects	Microfungi with reduced morphology: A symposium celebrating the 80 th birthday of Walter Gams
		Topic3 :Molecular controls of autophagy, apoptosis and cell death in fungi	Topic2: Outside and inside: The interactions of fungi and insects	Topic3: Fungal biodeterioration and bioremediation	
11.00 –11.20		Autophagy as a pro-survival pathway in <i>Podospira anserina</i> By Andrea Hamann , Johann Wolfgang Goethe University Frankfurt, Germany	How fungi can change plant and insect life By Marc-André Selosse , Muséum national d'Histoire Naturelle, France	Geomycology and bioremediation: metal and mineral transformations By Geoffrey Gadd , University of Dundee , UK	Introduction By David Hawksworth , Universidad Complutense de Madrid, Spain
11.20 –11.40		Interorganelle interactions and inheritance patterns of nuclei and vacuoles in budding yeast meiosis By Ting-Fang Wang , Academia Sinica, Taipei, Taiwan	The fungivorous insects on <i>Amanita muscaria</i> in New Zealand By Naoya Osawa , Kyoto University, Japan	Transformation of insoluble zinc compounds by fungi isolated from a zinc mine By Prakitsin Sihanonth , Chulalongkorn University, Thailand	The future taxonomy of the taxonomically cryptic By Richard Summerbell , University of Toronto, Canada
11.40 –12.00		Current studies on autophagy in <i>Magnaporthe oryzae</i> By Fu-Cheng Lin , Zhengzhou Tobacco Research Institute of CNTC, P.R. China	Fungi inside: geographical patterns of gut-inhabiting yeasts from wood-feeding passalid beetles By Hector Urbina , Uppsala University, Sweden	Biogeochemical transformations of heavy metals for eco-restoration on highly contaminated sediment By Kallaya Suntornvongsagul , Chulalongkorn University, Thailand	The taxonomy of soil fungi from Ontario, Canada, isolated by dilution-to-extinction By Keith A. Seifert , Agriculture and Agri-Food Canada, Canada
12.00 –12.20		Fungal culture degeneration is a sign of aging By Chengshu Wang , Chinese Academy of Sciences, P.R. China	Insect pathogens and mycoparasites: host jumping within <i>Elaphocordyceps</i> By C. Alisha Quandt , Oregon State University, USA	Molecular analysis of the fungal community during in silo commercial composting By Geoffrey Robson , University of Manchester, UK	Miscellaneous phylogenetic and taxonomic studies of pyrenomycetous Ascomycota By Walter Jaklitsch , University of Natural Resources and Life Sciences, Austria
12.20 –12.35		0 2.3.1 Autophagy vitalizes the pathogenicity of <i>Magnaporthe Oryzae</i> By Fu-Cheng Lin , Zhejiang University, P.R. China	0 4.2.1 Phylogenetic study of the interaction <i>Cordyceps sensu lato</i> – Insecta in the Northwest Amazon By Tatiana I Sanjuan , Antioquia University, Colombia	0 7.3.1 Bioremediation potential of white rot fungi to degrade chlorpyrifos By Nirmal Sudhir Kumar Harsh , Indian Council of Forestry Research & Education, India	Inside and outside the insect's gut-newly discovered intermediate life cycles in the Kickxellomycotina By Yousuke Degawa , University of Tsukuba, Japan
12.35 –12.50			0 4.2.2 Diversity of fungus gnat "mushroom interactions in the boreal forest By Kadri Põldmaa , University of Tartu, Estonia	0 7.3.2 Innovative biotechnological approaches for metal protection By Joseph Edith , University of Neuchâtel, Switzerland	A phylogenetic analysis of some remaining <i>Verticillium</i> -like anamorphs By Rasoul Zare , Department of Botany, Iranian Research Institute of Plant Protection, Iran

	S15-S18	S19	S20	S56	SS1
	Program on page 9-10	ST2: Genomics, Genetics and Molecular Biology	ST4: Environment, Ecology and Interactions	ST7: Biotechnology and Applied Aspects	Microfungi with reduced morphology: A symposium celebrating the 80 th birthday of Walter Gams
		Topic3 :Molecular controls of autophagy, apoptosis and cell death in fungi	Topic2: Outside and inside: The interactions of fungi and insects	Topic3: Fungal biodeterioration and bioremediation	
12.50 –13.05				O 4.2.3 Co-evolution of <i>Amylostereum</i> fungi and Siricid woodwasps By Bernard Slippers , Forestry and Agricultural Biotechnology Institute, University of Pretoria, South Africa	O 7.3.3 Evaluation of mycoremediation with the Microtox method By Roland Treu , Athabasca University, Canada
13.05 –14.00	Lunch			13.30 – 15.30 Nomenclatural Session 2: What generic names should we use? The generic lists (& review of session 1)	
14.00 –15.30	Poster Session 2 / Coffee Break				

Day 2 (Afternoon)

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	S22	S23	S17 (continue from morning)	S24	S25-S28
	ST6: Diversity and Conservation	ST6: Diversity and Conservation	ST7: Biotechnology and Applied Aspects	ST8: Interdisciplinary Symposia	Program on page 14
	Topic2: Diversity of tropical lichens	Topic8: Diversity and Function in Ectomycorrhizal Systems	Topic6: Traditional Asian fermented food: their mycology, history, culture and future perspectives for human health	Topic5: Mycoinformatics	
15.30 –15.50	Graphidaceae: evolution of a hyper-diverse Family of predominantly tropical lichenized fungi By Ekaphan Kraichak , The Field Museum, USA	Patterns and drivers of ectomycorrhizal diversity in North American Pinaceous forests By Thomas Bruns, University of California, Berkeley, USA	Fermentation food as a cultural heritage-cultures are vulnerable By Toru Okuda, University of Tokyo, Japan	Digitalization of biological collection data with a focus on mycology and lichenology By Scott Bates, University of Minnesota, USA	
15.50 –16.10	Recent taxonomic study on the family Graphidaceae in Vietnam By Jae-Seoun HUR, Sunchon National University, Republic of Korea	Using genomes to decipher the natural histories of saprotrophic and ectomycorrhizal Amanita: patterns of range expansions, transposable element dynamics, and mating By Anne Pringle, Harvard University, USA	Evolution of Saccharomyces cerevisiae towards domestication for fermented food production By Feng-Yan Bai, Chinese Academy of Sciences, P.R. China	The phylogenetic data pipeline 'COMPARE' : new bioinformatic tools to gain insight into processes of fungal genome evolution By Laszlo G. Nagy, Clark University,USA	
16.10 –16.30	Lichen diversity in India and its affinities with other Asian countries By Sanjeeva Nayaka, National Botanical Research Institute, India	Community assembly of ectomycorrhizal fungi along a subtropical secondary forest succession By Liang-Dong Guo, Chinese Academy of Sciences, P.R. China	Omics-analysis of Aspergillus oryzae for Japanese sake making By Kazuhiro Iwashita, National Research Institute of Brewing, Japan	Workflows for nomenclatural and taxonomic data in mycology: Index Fungorum, Species Fungorum and the GNA By Paul M. Kirk, Royal Botanic Gardens Kew, UK	
16.30 –16.50	Q 6.2.1 How to predict global species richness in lichenized fungi By Robert Lucking, The Field Museum, USA	Ectomycorrhizal mediated mechanisms of plant tolerance to heavy metals By Yi Huang, Peking University, P.R. China		Tying names to sequences and specimen data in GenBank By Conrad Schoch, National Institutes of Health, USA	
16.50 –17.05	Q 6.2.2 Lichens of Kangaroo Island- a fascinating flora in a fragile landscape By Gintaras Kantvilas, Tasmanian Herbarium, Tasmanian Musuem and Art Gallery, Australia	Q 6.8.1 A continental view of ectomycorrhizal fungal spore banks: A quiescent functional guild with a strong biogeographic pattern By Sydney Glassman, UC Berkeley, United States		Q 8.5.1 Is the registration of fungal names actually working? By Scott Redhead, National Mycological Herbarium of Canada (DAOM), Canada	
17.05 –17.20	Q 6.2.3 Rewriting the evolutionary history of Hawaiian lichens By Bibiana Moncada, Universidad Distrital Francisco Jose de Caldas, Colombia	Q 6.8.2 Nutrient transport in ectomycorrhiza By Rosnida Tajuddin, Universiti Sains Malaysia, Malaysia		"Dark" taxa coming to light? Streamlining formal descriptions of fungal species identified with DNA barcode data By Lyubomir Penev, Bulgarian Academy of Sciences & Pensoft Publishers, Bulgaria	
17.20 –17.35	Q 6.2.4 Parmeliaceae (Lichenized Ascomycota) lichens in Thailand: The genus Bulbothrix By Kawinnat Buaruang, Lichen Research Unit, Thailand	Q 6.8.3 Warming induces changes in functional diversity in arctic ectomycorrhizal fungal communities By Luis Morgado, Naturalis Biodiversity Center, Netherlands		Omics and meta'omics dataflows in mycology By Dagmar Triebel, Staatliche Naturwissenschaftliche Sammlungen Bayerns, Germany	
17.35 –20.30	Special Interest Group Meetings (SIG)				

Day 2 (Afternoon)

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	S22-24,S17	S25	S26	S27	S28
	Program on page 13	ST1: Cell Biology, Biochemistry and Physiology	ST5: Phylogenetics, Evolution and Systematics	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST6: Diversity and Conservation
		Topic4: Fungal signaling and communication	Topic5: Recent advances in agaricomycete evolution and phylogeny	Topic7: Fungal and fungal-like diseases of aquatic animals	Topic3: Fungal treasure hunting in the tropics: microfungi
15.30 –15.50		A MAPK network associated with cell fusion in <i>Neurospora</i> By N. Louise Glass , University of California-Berkeley, USA	Augmented meta-analysis reveals many sequestered fungal lineages of Agaricomycetes evolved in Australia after it split from Antarctica By Elizabeth Sheedy , University of Melbourne, Australia	Cutaneous ulcers by <i>Fusarium solani</i> complex in West Indian manatees (<i>Trichechus manatus manatus</i>) By Keiichi Ueda, D.V.M. , Okinawa Churaumi Aquarium, Japan	Seasonal dynamics and interactions of fungal foliar pathogens on tropical plants By Meike Piepenbring , Goethe Universität Frankfurt am Main, Germany
15.50 –16.10		Surface sensing and signaling essential for the initiation of rice blast By Naweed Naqvi , Temasek Life Sciences Laboratory, Singapore	Species diversity and phylogeny of Chinese boletes By Zhu-Liang Yang , Chinese Academy of Sciences, P.R. China	Lobomycosis in dolphin By Ayako Sano , University of the Ryukyus, Japan	Diversity and host-specificity of fungal pathogens on ants in Thailand By Jennifer Luangsa-ard , National Center for Genetic Engineering and Biotechnology, Thailand
16.10 –16.30		Velvet signalling in <i>Aspergillus</i> By Gerhard Braus , Georg August University, Germany	The eco-physiological patterns of the distribution of hebelomatoid ammonia fungi in west Pacific By Hoang ND Pham , Biotechnology Center of Ho Chi Minh City, Vietnam	Complex population history of the amphibian chytrid <i>Batrachochytrium dendrobatidis</i> : geographic and genomic insights from the atlantic forest of Brazil By Thomas S. Jenkinson , University of Michigan, USA	Describing mycodiversity before it is too late: Microfungi on endangered plant species in Brazil By Robert Barreto , Departamento de Fitopatologia, Universidade Federal de Viçosa, Brazil
16.30 –16.50		O 1.4.1 Confocal imaging of ROS and NO during infection by <i>Magnaporthe oryzae</i> By Mark Fricker , University of Oxford, UK	Three ways to uncover hidden wood decomposers: Dacrymycetes diversity detected by fruit-body, culture and environmental DNA By Takashi Shirouzu , National Museum of Nature and Science, Japan	Environmental DNA monitoring of the crayfish plague pathogen <i>Aphanomyces astaci</i> - news and views for research and management By Trude Vralstad , Norwegian Veterinary Institute, Norway	O 6.3.1 <i>Fusarium graminearum</i> species complex and <i>F. venenatum</i> isolated from highland areas in Malaysia By Latiffah Zakaria , Universiti Sains Malaysia, Malaysia
16.50 –17.05			O 5.5.1 The ADiv Project: Uncovering the driving forces of taxonomic diversification in the Agaricales By Laszlo Nagy , Clark University, USA	<i>Haliotricida noduliformans</i> infection in South African farmed abalone: Molecular diagnosis and management By Brett Macey , Department of Agriculture, Forestry and Fisheries, South Africa	O 6.3.2 An overview of <i>Claviceps</i> research in South Africa By Elna J. van der Linde , Plant Protection Research Institute, South Africa
17.05 –17.20			O5.5.2 Biogeographic analysis of Southern Hemisphere <i>Laccaria</i> based on phylogenetic species concepts and extensive geographic sampling By Tom May , Royal Botanic Gardens Melbourne, Australia		O 6.3.3 Who seeks will find - <i>Ravenelia</i> on South African thorn trees By Malte Ebingerhaus , Ruhr- Universität Bochum, AG Geobotanik, Germany
17.20 –17.35			Endemic or not endemic? The unique mycobiota of the Bonin Islands approached by fruit-body survey and metagenomic analyses By Kentaro Hosaka , National Museum of Nature and Science, Japan		
17.35 –20.30	Special Interest Group Meetings (SIG) Program on page 15-16				

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	Special Interesting Group (SIG)				SIG 6, SIG 8, IAL Meeting
	SIG 1	SIG 3	SIG 4	SIG 5	Program on page 16
	Sporothrix and sporotrichosis	Current research on entomopathogenic fungi	<i>Colletotrichum</i> – when genotype meets phenotype	Postgraduates: PhD research, research skills and publishing your work	
17.35 –19.30	Cell wall proteomics of <i>Sporothrix</i> spp. By Leila M. Lopes-Bezerra , Universidade do Estado do Rio de Janeiro, Brazil	Recent harpellalean study in Japan By Hiroki Sato , Forestry and Forest Products Research Institute, Japan	Pathogenicity, host range, and taxonomic placement of <i>Colletotrichum</i> spp. on celery By Jim Correll	Doing your PhD – planning for success By Naresh Magan , Cranfield University, UK	
	Therapeutic vaccine using anti-gp70 monoclonal antibody in experimental sporotrichosis By SandroRogerio de Almeida , Universidade de São Paulo, Brazil	Taxonomic intricacy of <i>Cordyceps</i> . <i>l.</i> species that have no support of molecular data By Bhushan Shrestha , Institute of Life Science and Biotechnology, Sungkyunkwan University, Republic of Korea	Relationship between lifestyles of <i>Colletotrichum</i> species and their pathogenicity By Paul Taylor	Career Panel of 4 senior scientists By Lynne Boddy , Cranfield University, UK Jurgen Kohl , Plant Research International, Holland Nuttika Suwannasai Srinakharinwirot University, Thailand TBA	
	Evolution of pathogenicity drives the global emergence of <i>Sporothrix</i> Species By AnderonMessias Rodrigues , University of São Paulo - Escola Paulista de Medicina (EPM), Brazil	Biodiversity of Entomology Pathogenic Fungi at Pu Mat National Park, Nghe An province, Vietnam By Nguyen Thi Thanh , Vinh University, Vietnam	Unraveling the anthracnose pathogens of tea (<i>Camellia sinensis</i>) By Liu Fang		
	Microbial interactions between <i>Sporothrix</i> and bacteria: implications on fungal growth and melanization By Rodrigo Almeida-Paes , Instituto de Pesquisa Clínica Evandro Chagas, Brazil	Potential application of entomopathogenic fungi for biological control By Sumalee Supothina , National Center for Genetic Engineering and Biotechnology, Thailand	Do we still need morphological data in the molecular era of <i>Colletotrichum</i> research? By Ulrike Damm	Publishing your work: tips for success By Sheba Agarwal-Jans , Elsevier, Life Sciences, Holland	
	The immunoglycobiology of <i>Sporothrix</i> cell wall By Hector M. Mora Montes , Universidad de Guanajuato, Mexico	Infection and pathogenesis mechanisms of the entomopathogenic fungus <i>Beauveria</i> <i>bassiana</i> on insect hosts: focusing on the intra-hemocoelic stages By Alongkorn Amnuaykanjanasin National Center for Genetic Engineering and Biotechnology, Thailand	The exponential increase in the names of <i>Colletotrichum</i> - is this useful? By Kerry Everett		
		Potential of entomopathogenic fungi for the production of useful bioproducts By Wai Prathumpai , National Center for Genetic Engineering and Biotechnology, Thailand	<i>Colletotrichum</i> — lists of names, and the role of the ISCT By Bevan Weir		
19.30 –20.30			Meeting of the International Subcommission on <i>Colletotrichum</i> Taxonomy		

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	SIG 1, SIG 3-5	Special Interesting Group (SIG)		
	Program on page 15	SIG 6	SIG 8	IAL Meeting & Dinner
		Classifying, naming and communicating sequence based species	Recent advances in Ascomycota systematics	18.00 – 20.00
17.35 –19.30		Introduction By David Hibbett Beyond paper, a nomenclature for the 21st century By Paul Kirk Environmental sequencing, fungal diversity, and unambiguous scientific communication By Henrik Nilsson Sequence based taxonomy at GenBank By Conrad Schoch Communicating ITS based species hypotheses By Kessy Abarenkov <i>Break</i> MycoBank and sequence-based fungal taxonomy By Vincent Robert and Pedro Crous Classification of Glomeromycota - the virtual taxon way By Maarja Öpik	New lineages of Dothideomycetes By Satinee Seuterong, A.H. Bahkali and E.B. Gareth Jones Phylogenetic relationships between genera in the Halosphaeriaceae using a multi-gene approach By Siti A. Alias, Mohamed Rizman-idid, Sheng-Yu Guo, Hanna H. Awaluddin and Ka-Lai Pang Revision of Asterinales By Sinang Hongsanan, YanMei Li, JianKui Liu1, Tina Hoffman, Putarak Chomnunti and Kevin D. Hyde A systematic treatment of Dothideales, a molecular and morphological approach By Kasun M. Thambugala, Hiran A. Ariyawansa, Zuo-Yi Liu, Ekachai Chukeatirote and Kevin D. Hyde Links between asexual and sexual morphs By Nattawut Rungjindamai, Sayanh Somrithipol and E.B. Gareth Jones Revision of Phaeosphaeriaceae By Rungtiwa Phookamsak, Jian-Kui Liu, Dimuthu S. Manamgoda, Kasun M. Thambugala, Hiran A. Ariyawansa, Chatsachee Chatpapamon, Nalin N. Wijayawardene, Peter E. Mortimer, D. Jayarama Bhat, Ekachai Chukeatirote, Eric H. C. McKenzie, E. B. Gareth Jones & Kevin D. Hyde.	TBA
19.30 –20.30		Group Discussion/Synthesis		

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 3 : Phylogenomics and the Fungal Tree of Life By Joseph W. Spatafora Oregon State University, USA				
09.45 –10.30	Plenary 4 : Importance of molecular strain typing in etiology of cryptococcosis: What is the clinical relevance? By June Kwon-Chung Molecular Microbiology Section, Laboratory of Clinical Infectious Diseases National Institute of Allergy and Infectious Diseases (NIAID) National Institutes of Health Bethesda, MD, USA				
10.30 –11.00	Coffee Break				
	S29	S30	S31	S32	S33-S35,SS4
	ST8: Interdisciplinary Symposia	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST5: Phylogenetics, Evolution and Systematics	ST1: Cell Biology, Biochemistry and Physiology	Program on page 19-20
	Topic6: Next Generation Sequencing and species registration	Topic3: Fungal plant pathogens and their antagonistic counterparts: novel paths for biocontrol?	Topic7: Yeasts: molecular taxonomy and diversity	Topic5: Interactions between fungi and bacteria	
11.00 –11.20	UNITE system and Next Generation Sequencing By Urmus Koljalg , University of Tartu, Estonia	Exploring the plant microbiome in the field: novel paths for biocontrol By Gabriele Berg , Graz University of Technology, Austria	Species diversity of yeasts in Japan: its potential as a biological resource By Masako Takashima , RIKEN BioResource Center, Japan	Bacterial endosymbionts control developmental programs in early diverging fungi By Teresa Pawlowska , Cornell University, USA	
11.20 –11.40	Internal Transcribed Spacers locus curation By Henrik Nilsson , University of Gothenburg, Sweden	Genetic basis of local adaptation of an introduced fungal entomopathogen By Sibao Wang , Chinese Academy of Science, P.R. China	Perspectives of ascomycetous yeast speciation By Heide-Marie Daniel , Université catholique de Louvain, Belgium	First contact: fungal physiological and transcriptional responses to bacterial cues By Stefan Olsson , University of Copenhagen, Denmark	
11.40 –12.00	Next Generation Sequencing data management By Jason Stajich , University of California, Riverside, USA	Genomics of antagonists as well as their disease-suppressing effects toward soil-borne fungal pathogens By Rita Grosch , Leibniz-Institute of Vegetable and Ornamental Crops, Germany	The large-spored <i>Metschnikowia</i> as a model for speciation By Marc-André Lachance , University of Western Ontario, Canada	Dissecting the microbiota of arbuscular mycorrhizal fungi: identity and function By Paola Bonfante , University of Torino, Italy	
12.00 –12.20	MycoBank registration system at the Next Generation Sequencing age By Vincent Robert , CBS-KNAW Fungal Biodiversity Center, The Netherlands	Development of new products for the biological control of plant diseases and pests By Jürgen Köhl , Plant Research International, The Netherlands	Towards a new taxonomy of the Basidiomycetous yeasts By Teun Boekhout , CBS-KNAW Fungal Biodiversity Centre, The Netherlands	The black truffle: more than a niche for bacteria? By Aurélien Deveau , INRA Nancy, France	
12.20 –12.35	Species delimitations and thresholds for automated identification and classification By Kessy Abarenkov , University of Tartu, Estonia	New-target effects of biocontrol agents on rhizospheric microbial diversity By Shilpi Sharma , Indian Institute of Technology Delhi, India	O 5.7.1 Population genomics reveals new domestication patterns in <i>Saccharomyces</i> yeasts By Jose Sampaio Sampaio , Universidade Nova Lisbos, Portugal	O 1.5.1 Is co-inoculation with plant growth promoting bacteria and <i>Arbuscular mycorrhizal</i> fungi increasing strawberry production yields (plant growth and fruit quality)? By Nassima Ait Lahmidi , Pole Interaction Plant Micro-organisms, France	

	S29	S30	S31	S32	S33-S35,SS4
	ST8: Interdisciplinary Symposia	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST5: Phylogenetics, Evolution and Systematics	ST1: Cell Biology, Biochemistry and Physiology	Program on page 19-20
	Topic6: Next Generation Sequencing and species registration	Topic3: Fungal plant pathogens and their antagonistic counterparts: novel paths for biocontrol?	Topic7: Yeasts: molecular taxonomy and diversity	Topic5: Interactions between fungi and bacteria	
12.35 –12.50	<u>O 8.6.1</u> A phylogenetic classification system for unvouchered environmental fungal sequences of unknown taxonomic affiliation By Robert Lucking, The Field Museum, USA	<u>O 3.3.1</u> Phytopathogenic fungi, a capable source of new bioactive natural products By Frank Surup, Helmholtz Center for Infection Research, Germany	<u>O 5.7.2</u> Yeast diversity influences biomass in wine fermentations By Primrose J Boynton, Max Planck Institute for Evolutionary Biology, Germany	<u>O 1.5.2</u> Bacterial-fungal interactions of <i>Mortierella elongata</i> in the <i>Populus</i> rhizosphere By Jessie Uehling, Duke University, USA	
12.50 –13.05		<u>O 3.3.2</u> Exploring the interaction between <i>Phellinus noxius</i> and <i>Aspergillus austroafricanus</i> using imaging mass spectrometry By Yu-Liang Yang, Academia Sinica, Taiwan	<u>O 5.7.3</u> Partitioning yeast diversity on biome, biotope, plot and species scales By Andrey M Yurkov, Leibniz Institute DSMZ-German Collection of Microorganisms and Cell Cultures, Germany		
13.05 –14.00	Lunch				

Day 3 (Morning)

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 3 : Phylogenomics and the Fungal Tree of Life By Joseph W. Spatafora Oregon State University, USA				
09.45 –10.30	Plenary 4 : Importance of molecular strain typing in etiology of cryptococcosis: What is the clinical relevance? By June Kwon-Chung Molecular Microbiology Section, Laboratory of Clinical Infectious Diseases National Institute of Allergy and Infectious Diseases (NIAID) National Institutes of Health Bethesda, MD, USA				
10.30 –11.00	Coffee Break				
	S29-S32	S33	S34	S35	SS4
	Program on page 17-18	ST4: Environment, Ecology and Interactions	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST6: Diversity and Conservation	Systematics of diverse Basidiomycota
		Topic4: Effects of climate change on fungal communities	Topic2: Environmental and social impacts of fungal invasions and emerging pathogens	Topic7: The Diversity of Microfungi in Neotropica	
11.00 –11.20		Decadal-plus shifts in fungal fruiting due to climate variability: effects on community dynamics, productivity and spatial-temporal patterns By Carrie Andrew , University of Oslo, Norway	Ecological and Societal impacts of brown root rot caused by <i>Phellinus noxius</i> in the Ogasawara islands, a designated a World Heritage Site By Yuko Ota , Forestry and Forest Products Research Institute, Japan	Diversity of <i>Phyllachora</i> species from the Cerrado: A first approach to the genus phylogeny By José Dianese , Universidade de Brasília, Brazil	O SS4.1 Chorology and molecular phylogenetic overview of tropical African lactarioid taxa including 10 new species recorded By Dao Lamega Maba , LMU, Togo
11.20 –11.40		Responses of AM fungal communities to global change in grassland ecosystems By Liang- Dong Guo , Chinese Academy of Sciences, P.R. China	Effects in ecosystems and society of emergent tree diseases in Europe: Rational and emotional components By Jan Stenlid , Swedish Agricultural University, Sweden	Microfungal diversity on a neotropical semi-arid region By Luis F. Pascholati Gusmão , State University of Feira de Santana, Brazil	O SS4.2 The taxonomic and phylogenetic studies on <i>Pucciniastrum</i> and related genera By Ting Yang , Beijing Forestry University, P.R. China
11.40 –12.00		Global distribution of fungal crop pathogens shifts in a changing world By Daniel P. Bebber , University of Exeter, UK	<i>Puccinia psidii</i> : the cause of emerging rust diseases with differing impacts on diverse myrtaceous hosts across wide-spread global regions By Ned B. Klopfenstein , USDA Forest Service, USA	New and interesting neotropical ascomycetes By Richard Hanlin , University of Georgia, USA	O SS4.3 Gall rust (<i>Uromycladium tepperianum</i>) of <i>Acacia</i> is a species complex By Chanintorn Doungsa-ard , The University of Queensland, Australia
12.00 –12.20		O 4.4.1 Diversity of macrofungal assemblages in Western Ghats, India By Krishnappa Maddappa , Kuvempu University, India	Laurel wilt: an exceptionally damaging tree disease affecting farms and forests in the U.S. By Jason A. Smith , University of Florida, USA	Taxonomic diversity and phylogeny of neotropical freshwater ascomycetes By Husefa Raja , University of North Carolina at Greensboro, USA	O SS4.4 Connecting the codes: Matching environmental sequences to vouchered sequestrate ectomycorrhizal fungi in Australia By Sandra E Abell-Davis , James Cook University, Australia

S29-S32		S33	S34	S35	SS4
	Program on page 17-18	ST4: Environment, Ecology and Interactions	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST6: Diversity and Conservation	Systematics of diverse Basidiomycota
		Topic4: Effects of climate change on fungal communities	Topic2: Environmental and social impacts of fungal invasions and emerging pathogens	Topic7: The Diversity of Microfungi in Neotropica	
12.20 –12.35		<u>O 4.4.2</u> Ascomycetous fungal communities respond to experimental warming in the mesic and dry arctic tundra By Tatiana Semenova , Naturalis Biodiversity Centre, the Netherlands	Understanding and managing a major decline syndrome of <i>Corymbia calophylla</i> (marri) a dominant and widespread tree species in south-west Western Australia By Trudy Paap , Murdoch University, Australia	<u>O 6.7.1</u> Conidial fungi in the Brazilian Amazon: prospects for an underestimated group By Luis Pascholati Gusmão , Universidade Estadual de Feira de Santana, Brazil	<u>O SS4.6</u> Genetic diversity of the ectomycorrhizal basidiomycete <i>Laccaria amethystina</i> complex over By Marc-Andre Selosse , Museum National d'Histoire Naturelle, France
12.35 –12.50		<u>O 4.4.3</u> Climate change and man-made influences on morel mushroom proliferation By Segula Masaphy , MIGAL-Galilee Research Center and Tel Hai College, Israel	Pervasive cultural and ecological impacts of sudden Oak Death in California By Matteo Garbelotto , University of California, Berkeley, USA	<u>O 6.7.2</u> Four new morpho-genera of Asterinales from Brazil By André Luiz Firmino , Federal University of Vicosa, Brazil	<u>O SS4.5</u> <i>Agaricus subrufescens</i> complex: Phylogenetics and species delimitation By Alberto Carlos Velazquez-Narvaez , Instituto De Ecologia, A.C., Mexico
12.50 –13.05		<u>O 4.4.4</u> Warming-induced tree expansion in the Arctic leads to a more closed N cycle By Karina Clemmensen , Swedish University of Agricultural Sciences, Sweden	<u>O 3.2.1</u> A new approach to monitoring fungus diseases in South Africa through plant clinics and the nurturing of stronger research-extension links By Isabella Hendrika Rong , Agricultural Research Council, South Africa	<u>O 6.7.3</u> Ascomycete asexual morphs associated with <i>Dimorphandra wilsonii</i> , an endangered Brazilian tree species By Meiriele da Silva , Universidade Federal de Viçosa, Brazil	
13.05 –14.00	Lunch				
14.00 –15.30	Free afternoon or BIOTEC technical visit at Thailand Science Park (Available for only 100 participants)			SIG 7 Yeast nomenclatural meeting	
Species concepts and species descriptions: from art to science By André Lachance , University of Western Ontario, Canada					
The Yeast Book Project By Teun Boekhout , CBS-KNAW Fungal Biodiversity Centre, the Netherlands					
15.30 –17.30					

Day 4 (Morning)

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 5 : Evolutionary Mechanism of fungi associated with nematodes and insects By Xingzhong Liu President of AMC 2013 & 13 th IMFMS President of MSC Chairman or AMA Director of State Key Laboratory of Mycology, Institute of Microbiology, Chinese Academy of Sciences, P.R. China				
09.45 –10.30	Plenary 6 : The cell biology of hyphal microfluidics By Gregory Jedd Temasek Life Sciences Laboratory & Department of Biological Sciences, The National University of Singapore, Singapore				
10.30 –11.00	Coffee Break				
	S44	S36	S38	S39	S40-S42,SS5
	ST5: Phylogenetics, Evolution and Systematics	ST5: Phylogenetics, Evolution and Systematics	ST2: Genomics, Genetics and Molecular Biology	ST1: Cell Biology, Biochemistry and Physiology	Program on page 23-24
	Topic4: Genomes, genes and morphology: Making sense of the Ascomycota	Topic1: Molecular techniques for the detection and diagnostics of fungi	Topic5: Genetics and genomics of mycorrhizal and sapro-trophic fungi	Topic6: Building and breaking fungal cell walls	
11.00 –11.20	Insights into the phylogeny of Arthoniomycetes By Damien Ertz , Botanic Garden Meise, Belgium	On-site nucleic acid based detection of fungal plant pathogens By James Woodhall , The Food and Environment Research Agency, UK	Brown and white rots or a gradient of wood degradation mechanisms? The examples of <i>Fistulina</i> and <i>Cylindrobasidium</i> By Dimitrios Floudas , Clark University, USA	The importance of fungal chitin and human chitinases in infection and allergy By Neil A.R.Gow , University of Aberdeen, UK	
11.20 –11.40	Dothideomycetes By Jian-Kui Liu , Mae Fah Luang University, Thailand	Application of NGS technology in fungal pathogen detection and challenges in identification at species level By Sarah Hambleton , Agriculture and Agri-Food Canada, Canada	The mycorrhizal genome initiative (MGI): Exploring the genome diversity of mycorrhizal fungi to understand the evolution and functioning of symbiosis By Annegret Kohler , INRA, France	Chitin synthesis in <i>Candida albicans</i> : protection from cell lysis By Kanya Preechasuth , Chiang Mai University, Thailand	
11.40 –12.00	Towards a natural classification of the Lichinomycetes By Maria Prieto , Swedish Museum of Natural History, Sweden	O 5.1.1 Protein profiling using MALDI-TOF-MS for characterization and identification of basidiomycetes By Ryosuke Hamada , Kochi University of Technology, Japan	Genomic and transcriptomic analysis of wood-rotting fungi for the utilization of cellulosic biomass: searching for good enzymes By Kiyohiko Igarashi , Tokyo University, Japan	Chitin synthesis and protection in <i>Magnaporthe oryzae</i> By Jun Yang , China Agricultural University, P.R. China	
12.00 –12.20	The Sordariomycetes By Martina Reblova , Academy of Sciences of the Czech Republic, Czech Republic	O 5.1.2 A PCR detection system for the discrimination between Basidiomycetous isolates (Hymenochaetales) associated with grapevine trunk disease By Michael Christiaan Bester , Agricultural Research Council, South Africa	Phylogenomic analysis of pectinase enzymes suggests that early fungi evolved in association with the land plant lineage By Mary Berbee , University of British Columbia, Canada	Distinct roles of cell wall biogenesis in yeast morphogenesis By Yoshikazu Ohya , University of Tokyo, Japan	
12.20 –12.35	O 5.4.1 A monograph of <i>Otidea</i> (Pyronemataceae, Pezizomycetes) By Karen Hansen , Swedish Museum of Natural History, Sweden	O 5.1.3 Correlation between two conventional methodologies applied to the laboratorial diagnosis of sporotrichosis By Rodrigo Almeida-Paes , Instituto de Pesquisa Clínica Evandro Chagas, Brazil	O 2.5.1 Differential expression of metallothioneins in response to heavy metals and their involvement in metal tolerance By Sudhakara M Reddy , Thapar University, India	O 1.6.1 Deconstructing the polysaccharide matrix of the <i>Magnaporthe oryzae</i> cell wall By Marketa Samalova , Oxford University, UK	
12.35 –12.50	O 5.4.2 Redefining Ceratocystis and allied genera in the Ceratocystidaceae (Microascales) By Z. Wilhelm de Beer , Univeristy of Pretoria, South Africa	O 5.1.4 A comparison of dilution-to-extinction culturing and pyrosequencing extends our view of the fungal biodiversity of house dust By Yuuri Hirooka , Agriculture and Agri-Food Canada, Canada	O 2.5.2 The salt-responsive transcriptomes of two <i>Aureobasidium pullulans</i> varieties By Martina Turk , University of Ljubljana, Biotechnical Faculty, Department of Biology, Slovenia	O 1.6.2 Functional analysis of cell wall degrading enzymes (CWDEs) in <i>Magnaporthe oryzae</i> By Quoc Bao Nguyen , Nong Lam University, Vietnam	

	S44	S36	S38	S39	S40-S42,SS5
	ST5: Phylogenetics, Evolution and Systematics	ST5: Phylogenetics, Evolution and Systematics	ST2: Genomics, Genetics and Molecular Biology	ST1: Cell Biology, Biochemistry and Physiology	Program on page 23-24
	Topic4: Genomes, genes and morphology: Making sense of the Ascomycota	Topic1: Molecular techniques for the detection and diagnostics of fungi	Topic5: Genetics and genomics of mycorrhizal and sapro-trophic fungi	Topic6: Building and breaking fungal cell walls	
12.50 –13.05	O 5.4.3 Current status of Pleosporales By Hiran Anjana Ariyawansa, Institute of Excellence in Fungal Research, Mae Fah Luang University, Thailand		O 2.5.3 Mushroomomics: Omics of <i>Lentinula edodes</i> and <i>Coprinopsis cinerea</i> By Hoi Shan Kwan, Chinese University of Hong Kong, Hong Kong		
13.05 –14.00	Lunch			13.30 – 15.30 Nomenclatural Session 3: What Names Should We Use for Economically Significant Fungi? The working group lists (& reviews of sessions 1 & 2).	
14.00 –15.30	Poster Session 3 / Coffee Break				

Day 4 (Morning)

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 5 : Evolutionary Mechanism of fungi associated with nematodes and insects By Xingzhong Liu President of AMC 2013 & 13 th IMFMS President of MSC Chairman or AMA Director of State Key Laboratory of Mycology, Institute of Microbiology, Chinese Academy of Sciences, P.R. China				
09.45 –10.30	Plenary 6 : The cell biology of hyphal microfluidics By Gregory Jedd Temasek Life Sciences Laboratory & Department of Biological Sciences, The National University of Singapore, Singapore				
10.30 –11.00	Coffee Break				
	S44, S36, S38-39	S40	S41	S42	SS5
	Program on page 21-22	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST4: Environment, Ecology and Interactions	ST7: Biotechnology and Applied Aspects	Fungal interaction (for physiology/genetics/biochemistry session)
		Topic4: Fungal bio-control for Pests of Medical and Economic Importance	Topic3: Extreme environments: analysing the role of fungi	Topic7: Platform fungi for low molecular metabolite formation	
11.00 –11.20		Commercial determinants in the success of fungal bio-pesticides for house fly control By Diana Leemon , Agri-Science Qld, Australia	Ecological strategies of cryophilic fungi to tolerate freezing stress By Tamotsu Hoshino , National Institute of Advanced Industrial Science and Technology, Japan	Metabolic modeling and engineering of filamentous fungi for production of primary and secondary metabolites By Mikael R. Andersen , Technical University of Denmark, Denmark	O SS5.1 Dual mating in <i>Botrytis cinerea</i> By Razak Bin Terhem , Wageningen University, Netherlands, the Netherlands
11.20 –11.40		Field control of the cattle tick <i>Rhipicephalus microplus</i> using <i>Metarhizium anisopliae</i> By Augusto Schrank , Universidade Federal do Rio Grande do Sul (UFRGS), Brazil	Eco-physiological aspects of fungi from high nitrogen environments in terrestrial ecosystems By Akira Suzuki , Tokyo City University, Japan	Dynamic metabolic foot printing reveals the key components of metabolic network By Pramote Chumnanpuen , Kasetsart University, Thailand	O SS5.2 Dynamically altered fungal expressions of <i>Paecilomyces hepiali</i> and 7 <i>Ophiocordyceps sinensis</i> genotypes in natural <i>Cordyceps Sinensis</i> By Zhu Jia-Shi , Hong Kong Polytechnic University, P.R. China
11.40 –12.00		<i>Metarhizium anisopliae</i> pathogenesis of mosquito larvae: a verdict of accidental death By Bethany Greenfield , Swansea University, UK	Exploitation of thermophilic-thermo tolerant fungi for enzyme and chemical productions By Vichien Kitpreechavanich , Kasetsart University, Thailand	O 7.7.1 Increase the frequency of homologous recombination in the oleaginous <i>Aspergillus oryzae</i> via Ku70 gene knock-out By Chanikul Chutrakul , National Center for Genetic Engineering and Biotechnology, Thailand	O SS5.3 Uptake and translocation of cesium and coexisting elements into mushroom laboratory experiments with two different species, <i>Hebeloma vinosophyllum</i> and <i>Coprinopsis phlyctidosporea</i> By Quyen BaoThuy Ho , National Institute of Radiological Sciences, Japan
12.00 –12.20		From the forest to the field: the next generation of insect-fungal biocontrol agents By Nigel Hywel-Jones , Milton Biotech Ltd., Thailand	Resistance of lichens and lichen symbionts towards space exposure and simulated space conditions By Joachim Meeßen , Heinrich-Heine-Universität Düsseldorf, Germany	O 7.7.2 Antimicrobial properties of extracts from new <i>Agaricus</i> sp. mushroom By Sunita Chamyuang , Mae Fah Luang University, Thailand	O SS5.4 Ectomycorrhizal signals as triggers for an intimate partnership By Catarina Henke , Institute for Microbiology and Max Planck Institute for Chemi, Germany

	S44, S36, S38-39	S40	S41	S42	SS5
	Program on page 21-22	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST4: Environment, Ecology and Interactions	ST7: Biotechnology and Applied Aspects	Fungal interaction (for physiology/genetics/biochemistry session)
		Topic4: Fungal bio-control for Pests of Medical and Economic Importance	Topic3: Extreme environments: analysing the role of fungi	Topic7: Platform fungi for low molecular metabolite formation	
12.20 –12.35		O 3.4.3 Fungal entomopathogens as endophytes in cassava By Melinda Jane Greenfield , CIAT, Colombia	O 4.3.1 Relationship between changes in temperature and secretion of secondary metabolites in cold-environment soil fungi By Yogabaanu Ulaganathan , National Antarctic Research Centre, University Malaya, Malaysia		O SS5.5 Tissue-specific interactions between the transcriptomes of the fungal endophyte <i>Neotyphodium lolii</i> and its perennial ryegrass host By Jan Schmid , Massey University, New Zealand
12.35 –12.50		O 3.4.1 Impact of fungicide application on endophytes By René Prior , AG Geobotanik, Ruhr-University Bochum, Germany	O 4.3.2 Fungal communities in exotic wood and heated soils of Deception Island, Antarctica By Benjamin William Held , University of Minnesota, USA		O SS5.6 Understanding auxin biosynthesis pathway and transport in filamentous fungi through structure-function correlation and its evolutionary consequences By Puspendu Sardar , Christian-Albrechts-Universität zu Kiel, Germany
12.50 –13.05		O 3.4.2 Estimation of fungal endophyte producing volatile organic compounds on control of pathogens causing postharvest diseases in Taiwan By Che-Chia Yeh , National Chung Hsing University, Taiwan	O 4.3.3 Resource monopolisation and dominance in mat forming lichens By James Peter Stratford , University of Nottingham, UK		O SS5.7 Horizontal gene transfer of sugar transporters in the Ascomycota By Paula Goncalves , Universidade Nova de Lisboa, Portugal
13.05 –14.00	Lunch				13.30 – 15.30 Nomenclatural Session 3:
14.00 –15.30	Poster Session 3 / Coffee Break			What Names Should We Use for Economically Significant Fungi? The working group lists (& reviews of sessions 1 & 2).	

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	S37	S43	S45	S46	S47-S49,SS6
	ST7: Biotechnology and Applied Aspects	ST4: Environment, Ecology and Interactions	ST6: Diversity and Conservation	ST1: Cell Biology, Biochemistry and Physiology	Program on page 27-28
	Topic1: Utility of endophytic fungi in applied mycology	Topic7: Lichen microbiome patterns and functions	Topic6: Xylariales – diversity and conservation	Topic7: Dispersal of fungi	
15.30 –15.50	Volatile biocides from endophytic fungi, and their application as fumigants By Ross Mann , Department of Environment and Primary Industries, Australia	How bacteria support the lichen symbiosis By Gabriele Berg , Graz University of Technology, Austria	The genus <i>Xylaria</i> By Yu-Ming Ju , Institute of Plant and Microbial Biology, Academia Sinica, Taiwan	Forcible discharge in the Ascomycetes: a physical principle to organize diversity By Agnese Seminara , CNRS,LPMC, France	
15.50 –16.10	The exploitation of <i>Epichloë</i> endophytes for agricultural advantage By Linda Johnson , AgResearch Limited, Grasslands Research Centre, New Zealand	The <i>Peltigera membranacea</i> metagenome suggests nutrient scavenging roles for endolichenic Proteobacteria By Oddur Vilhelmsson , University of Akureyri, Iceland	Xylariaceae of Thailand By Nuttika Suwannasai , Srinakharinwirot University, Thailand	Conidiation of <i>Fusarium</i> By Yin-Won Lee , Seoul National University, Republic of Korea	
16.10 –16.30	The Sebaciniales: a novel group of mycorrhizal fungi for improving plant productivity and stress tolerance By Kelly D. Craven , The Samuel Roberts Noble Foundation, USA	Diversity of lichen-associated fungi in alpine communities by amplicon sequencing By Lucia Muggia , University of Trieste, Italy	<i>Rosellinia</i> - an exercise in Biodiversity By Liliane Petrini , Switzerland	O 1.7.1 Fungal feeders as dispersals of fungal propagules By Sten Anslan , University of Tartu, Estonia	
16.30 –16.50	Discovery and diversity of bioprotective and pharmaceutical alkaloids By Christopher Schardl , University of Kentucky, USA	Development of fungal LSU sequence database and application to lichen microbiome studies By Soon Gyu Hong , Korea Polar Research Institute (KOPRI), Republic of Korea	Chemosystematics of the Xylariaceae By Eric Kuhnert , Helmholtz Centre for Infection Research, Germany	O 1.7.2 Evolution of fruiting body morphology through transcriptomics in the Sordariomycetes By Frances Trail , Michigan State University, United States, USA	
16.50 –17.05	O 7.1.1 Discovery, diversity and utilization of <i>Epichloë</i> ? species: Endophytes in native and forage grasses By Carolyn Young , The Samuel Roberts Noble Foundation, United States		O 6.6.1 <i>Xylaria</i> diversity in Cuc Phuong National Park, Vietnam By Lam Duong , Hanoi National University of Education, Viet Nam		
17.05 –17.20	O 7.1.2 Endophytes-diversity and applications in the new era By Adeline Ting , Monash University Malaysia, Malaysia				

	S37	S43	S45	S46	S47-S49,SS6
	ST7: Biotechnology and Applied Aspects	ST4: Environment, Ecology and Interactions	ST6: Diversity and Conservation	ST1: Cell Biology, Biochemistry and Physiology	Program on page 27-28
	Topic1: Utility of endophytic fungi in applied mycology	Topic7: Lichen microbiome patterns and functions	Topic6: Xylariales – diversity and conservation	Topic7: Dispersal of fungi	
17.20 –17.35	O 7.1.3 <i>Epichloë</i> endophytes from cool season grasses a reaping the rewards from a well-tuned bio-prospecting pipeline By Stuart Card , AgResearch Ltd. , New Zealand				
18.00 –21.00	Conference Dinner : How to grow mycology into a new era and to unlock the potentials of mycology for the world Presented by Lene Lange Director of Research of Aalborg University Department of Biotechnology, Chemistry and Environmental Engineering, Section for Sustainable Biotechnology, Copenhagen, DK				

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	S37, S43, S45-S46	S47	S48	S49	SS6
	Program on page 25-26	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST4: Environment, Ecology and Interactions	ST5: Phylogenetics, Evolution and Systematics	Fungal diversity: from morphology to high throughput sequencing
		Topic5: Evolution of plant parasites and their interactions	Topic6: Litter decomposition and carbon cycling	Topic6: Basal lineages of fungi: Evolution, ecology and systematics	
15.30 –15.50		Effector specialization following a host jump in a lineage of the Irish potato famine pathogen By Sophien Kamoun , The Sainsbury Laboratory, UK	Activity and dynamics of fungal decomposers in forest ecosystems By Petr Baldrian , Institute of Microbiology of the Academy of Sciences of the Czech Republic, Czech Republic	O 5.6.1 Preliminary studies on carbon assimilation patterns among Mucorales By Marta Wrzosek , University of Warsaw, Poland	O SS6.1 Origin and diversity of the fungus <i>Leptographium procerum</i> associated with the red turpentine beetle in China By Stephen Joshua Taerum , FABI, University of Pretoria, South Africa
15.50 –16.10		Evolution of the genus <i>Pyricularia</i> , the rice blast fungus, and its effector genes By Izumi Chuma , Kobe University, Japan	Participation of ectomycorrhizal fungi in decomposition By Björn Lindahl , Swedish University of Agricultural Sciences, Sweden	O 5.6.2 Does mitosis in the zygomycetous fungus <i>Coemansia reversa</i> provide evidence for fungal spindle pole body evolution? By David J. McLaughlin , University of Minnesota, United States	O SS6.2 Lost in translation: Challenges of transferring information from phylogenies into taxonomy By Romina Orietta Gazis , Clark University, USA
16.10 –16.30		Evolution of pathogens in a community ecological context By Paul Nelson , The University of Minnesota, USA	Endophytic communities in ageing and dead attached leaves – do they set the stage for later litter decomposition on the forest floor? By Martin Unterseher , Ernst Moritz Arndt University, Germany	O 5.6.3 A preliminary study of <i>Mortierella</i> in Taiwan By Syuan-Fong Wei , Science Education/ National Taipei University of Education, Taiwan	O SS6.3 Spatial heterogeneity of mountainous soil is associated with high fungal beta diversity By Martina Stursova , Institute of Microbiology, ASCR V.V.I., Czech Republic
16.30 –16.50		Ecological and phylogenetic constraints in the evolution of smut fungi By Dominik Begerow , Ruhr-Universität Bochum, Germany	Differential responses of saprotrophic and ectomycorrhizal fungi explain N enrichment effects on decay By Jennifer Talbot , Boston University, USA	O 5.6.4 Co-diversification of symbiotic endocellular bacteria and early diverging terrestrial fungi By Gregory M Bonito , Royal Botanic Gardens, Victoria, Australia	O SS6.4 Pyrosequencing analysis of fungal diversity from climate contrasting and geographically distant neotropical forest soils of Mexico By Luis Villarreal-Ruiz , Colegio de Postgraduados, Campus Montecillo, Mexico
16.50 –17.05		O 3.5.1 Mechanisms of plant colonization by pathogenic and symbiotic microbes By Sebastian Schornack , Sainsbury Laboratory (SLCU), University of Cambridge, UK	O 4.6.1 Effects of forest management and temporal changes on litter dwelling fungal communities in Central Europe By Witoon Purahong , UFZ-Helmholtz Centre for Environmental Research, Germany	O 5.6.5 Morphological characteristics and phylogeny of Japanese <i>Endogone</i> spp. By Kohei Yamamoto , Shinshu University, Japan	O SS6.5 Phylogenetic diversification in Sebaciales By Franz Christoph Oberwinkler , University of Tuebingen, Germany
17.05 –17.20		O 3.5.2 The infection process of <i>Mauginiella scaetiae</i> the causal agent of date palm inflorescence rot By Messaoud Bensaci , University Kasdimerbah Ouargla-Algeria, Algeria	O 4.6.2 The fungal factor in natural variation of wood decay rates By Annemieke van der Wal , NIOO-KNAW, the Netherlands	O 5.6.6 Survey of marine chytrids using pine pollen baiting method in Japan By Shigeki Inaba , National Institute of Technology and Evaluation, Japan	O SS6.6 Inventory of macrofungi in the Biosphere Reserve Wienerwald (Austria) and barcoding with a focus on non-gilled lignicolous basidiomycetes (aphyllophoroids - corticioid, polyporoid, clavarioid and heterobasidiomycete fungi) By Alexander Urban , Uni Wien, Dept. Syst Botanik, AG Mykologie, Austria

	S37, S43, S45-S46	S47	S48	S49	SS6
	Program on page 25-26	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST4: Environment, Ecology and Interactions	ST5: Phylogenetics, Evolution and Systematics	Fungal diversity: from morphology to high throughput sequencing
		Topic5: Evolution of plant parasites and their interactions	Topic6: Litter decomposition and carbon cycling	Topic6: Basal lineages of fungi: Evolution, ecology and systematics	
17.20 –17.35		O 3.5.3 Infection and colonisation of pyrethrum by <i>Stagonosporopsis tanacetii</i> By Paul W. J. Taylor , The University of Melbourne, Australia	O 4.6.3 Functional diversity of fungi in decomposing beech litter - insights from metatranscriptomics By Derek Persoh , Ruhr-Universität Bochum, Germany		
18.00-21.00	Conference Dinner : How to grow mycology into a new era and to unlock the potentials of mycology for the world Presented by Lene Lange Director of Research of Aalborg University Department of Biotechnology, Chemistry and Environmental Engineering, Section for Sustainable Biotechnology, Copenhagen, DK				

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.			
09.00 –09.45	Plenary 7 : The Changing landscape of fungal natural products discovery By Gerald Bills University of Texas Health Science Center at Houston, USA			
09.45 –10.30	Plenary 8 : Fungi in a changing environment By Lynne Boddy Cardiff School of Biosciences, Biomedical Building Museum Avenue, UK			
10.30 –11.00	Coffee Break			
	S50	S51	S52	S53-S55,SS7
	ST2: Genomics, Genetics and Molecular Biology	ST8: Interdisciplinary Symposia	ST7: Biotechnology and Applied Aspects	Program on page 31-32
	Topic6: Genomics and molecular biology of fungus-invertebrate interactions	Topic1: Cryptic species and speciation	Topic4: Food mycology	
11.00 –11.20	Comparative genomics reveal the evolution of fungal entomopathogenicity and host specificity By Chengshu Wang , Chinese Academy of Sciences, P.R. China	Genome content and evolution of the wheat pathogen <i>Mycosphaerella graminicola</i> (synonym: <i>Zymoseptoria tritici</i>) By Stephen B. Goodwin , USDA and Purdue University, USA	Underestimated mycotoxins in foods: Do we need to worry? By Jens Frisvad , Technical University of Denmark, Denmark	
11.20 –11.40	Genomic mechanisms accounting for the adaptation to parasitism in nematode-trapping Fungi By Dag Åhrén , Lund University, Sweden	Genomics of pathogenicity determinants and host specificity in <i>Fusarium oxysporum</i> By Martijn Rep , University of Amsterdam, The Netherlands	Impact of climate change factors on mycotoxigenic food spoilage fungi: ecology and molecular aspects By Naresh Magan , Cranfield University, UK	
11.40 –12.00	Three α -1,2-mannosyltransferases contribute differentially to conidiation, cell wall integrity, multistress tolerance and virulence of <i>Beauveria bassiana</i> By Juan-Juan Wang , Zhejiang University, P.R. China	Using comprehensive phylogenies and maximum clade ages to unravel evolutionary patterns in obligate biotrophs By Young-Joon Choi , Germany and Korea University, Republic of Korea	Taxonomic re-evaluation of Black-Koji molds By Seung Beom Hong , National Academy of Agricultural Science, Republic of Korea	
12.00 –12.20	One Fe- and two Cu/Zn-cofactored superoxide dismutases play distinct roles in antioxidation, UV tolerance and virulence of <i>Beauveria bassiana</i> By Fang Li , Zhejiang University, P.R. China	0 8.1.1 Lineages in Hypocreales: Generic concepts in Nectriaceae By Lorenzo Lombard , CBS KNAW Fungal Biodiversity Centre, Netherlands	Exploitation of the fungal diversity for food ingredients By Ulf Thrane , Technical University of Denmark, Denmark	
12.20 –12.35	0 2.6.1 Molecular interaction between the fungal pathogen <i>Beauveria bassiana</i> and its insect host <i>Myzus persicae</i> during the post-penetration stage By Jiraporn Jirakkakul , King Mongkute's University of Technology Thonburi (KMUTT), Thailand	0 8.1.2 Lessons from recent multi-locus sequence-based taxonomic revisions of <i>Cercospora</i> and <i>Pseudocercospora</i> By Johannes Zacharias Groenewald , CBS-KNAW Fungal Biodiversity Centre, Netherlands	0 7.4.1 Role of non- aflatoxigenic <i>Aspergillus flavus</i> strains in the aflatoxin control By Yang liu , Institute of Agro-products Processing Science and Technology, Chinese Academy of Agricultural Scienc, China	
12.35 –12.50			0 7.4.2 Occurrence of heat-resistant mold ascospores in the processing environment: Methodology, prevention and elimination By Emilia Rico-Munoz , BCN Research Laboratories, Inc., United States	

	S50	S51	S52	S53-S55,SS7
	ST2: Genomics, Genetics and Molecular Biology	ST8: Interdisciplinary Symposia	ST7: Biotechnology and Applied Aspects	Program on page 31-32
	Topic6: Genomics and molecular biology of fungus-invertebrate interactions	Topic1: Cryptic species and speciation	Topic4: Food mycology	
12.50 –13.05			O 7.4.3 New taxonomies of Aspergilli producing aflatoxins and ochratoxins By Jos Houbraken, CBS-KNAW Fungal Biodiversity Centre, Netherlands	
13.05 –14.05	Closing Ceremony			
14.05 –15.00	Lunch			

Day 5 (Morning)

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08.00 –09.00	Registration / Talk Uploading / Board Meetings etc.				
09.00 –09.45	Plenary 7 : The Changing landscape of fungal natural products discovery By Gerald Bills University of Texas Health Science Center at Houston, USA				
09.45 –10.30	Plenary 8 : Fungi in a changing environment By Lynne Boddy Cardiff School of Biosciences, Biomedical Building Museum Avenue, UK				
10.30 –11.00	Coffee Break				
	S50-S52	S53	S54	S55	SS7
	Program on Page 29-30	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST6: Diversity and Conservation	ST7: Biotechnology and Applied Aspects	Systematics of diverse Ascomycota
		Topic6: Population genetics and molecular epidemiology of human, animal and plant pathogens	Topic4: Population biology of threatened fungi (including lichens)	Topic2: Biotechnological exploitation of basidiomycetes	
11.00 –11.20		Using Population Genetics to understand the biology of an apparently asexual and important pine pathogen By Brenda Wingfield , University of Pretoria, South Africa	Conservation translocations of epiphytic lichens: take your time and hurry up By Christoph Scheidegger , Swiss Federal Institute for Forest, Snow and Landscape Research, Switzerland	Toxins and pigments from macromycetes By Liu Jikai , Chinese Academy of Sciences, P.R. China	O SS7.1 An eight-gene phylogeny: the magic bullet for resolving <i>Cercospora</i> species complexes By Mounes Bakhshi , University of Tabriz, Iran
11.20 –11.40		Tracing the global spread of human pathogens By Wieland Meyer , University of Sydney, Australia	The significance of human land use for European fungal diversity with a historic and evolutionary perspective By Anders Dahlberg , Swedish University of Agricultural Sciences, Sweden	Production of complex bioflavor blends by fermentation By Holger Zorn , Justus Liebig University Giessen, Germany	O SS7.2 A reappraisal of Microthyriaceae and Micropeltidaceae By Haixia Wu , Chinese Academy of Forestry, P.R. China
11.40 –12.00		<i>Cryptococcus</i> : an opportunistic or primary primary pathogen? By Popchai Ngamskulrungraj , Mahidol University, Thailand	DNA fragmentation of herbarium specimens of lichens, and significance of epitypification for threatened species of Japan By Yoshihito Ohmura , National Museum of Nature and Science, Japan	New bioactive metabolites with potential utility for the life science industry from cultures of basidiomycetes By Marc Stadler , Helmholtz Centre for Infection Research, Germany	O SS7.3 Phylogenetic relationships between species in the <i>Ophiostoma clavatum</i> complex By Riikka Marjaana Linnakoski , Faculty of Agriculture and Forestry, University of Helsinki, Finland
12.00 –12.20		Molecular epidemiology of sporotrichosis in Brazil By Rosely M.Zancoppe-Oliveira , Instituto Nacional de Infectologia, Brazil	Forestry, research debt and the decline of oldgrowth-dependent green Sticta (Lobariaceae) in British Columbia, Canada By Toby Spribille , Karl-Franzens-Universität Graz, Austria	Towards putting <i>Pleurotus</i> into practice By Yitzhak Hadar , The Hebrew University of Jerusalem, Israel	O SS7.4 Molecular systematics of the genus <i>Helvella</i> redefines species boundaries and uncover high species diversity By Inger Skrede , University of Oslo, Norway

	S50-S52	S53	S54	S55	SS7
	Program on Page 29-30	ST3: Plant, Human and Animal Pathogenesis and Disease Control	ST6: Diversity and Conservation	ST7: Biotechnology and Applied Aspects	Systematics of diverse Ascomycota
		Topic6: Population genetics and molecular epidemiology of human, animal and plant pathogens	Topic4: Population biology of threatened fungi (including lichens)	Topic2: Biotechnological exploitation of basidiomycetes	
12.20 –12.35		O 3.6.3 Culture-independent microsatellite genotyping of <i>Aphanomyces astaci</i> a powerful tool for molecular epidemiology studies of past and more recent crayfish plague epizootics By Trude Vralstad , Norwegian Veterinary Institute, Norway	O 6.4.1 Heritability analysis in transplant experiments of <i>Lobaria pulmonaria</i> By Saran Cheenacharoen , Chiang Mai Rajabhat University, Thailand	O 7.2.1 Effects of CaM on manganese peroxidase expression in <i>Pleurotus ostreatus</i> By Toshikazu Irie , University of Shiga Prefecture, Japan	O SS7.5 Mitochondrial gene analysis combined with nuclear sequences and morphological data provide new insights into phylogenetic affinities within the genus <i>Aspergillus</i> By Vassili N. Kouvelis , National and Kapodistrian University of Athens, Greece
12.35 –12.50		O 3.6.2 Population genomics data revealed adaptive divergence in <i>Ophiostoma montium</i> , a bark beetle symbiont pathogenic to conifer By Kin Ming Tsui , University of British Columbia, Canada		O 7.2.2 Improvement in lignocellulosic degradation through the diversity of oxido-reductases from filamentous fungi By Craig Faulds , Aix Marseille Universita-INRA, France	
12.50 –13.05		O 3.6.1 Identity and diversity of the Cryphonectriaceae on Myrtales in Hawaii By Jolanda Roux , University of Pretoria, South Africa		O 7.2.3 Indole-3-acetic acid and metal chelating compounds production by some sclerodermatoid fungi By Saisamorn Lumyong , Chiang Mai University, Thailand	
13.05 –14.05	Closing Ceremony				
14.05 –15.00	Lunch				