2023 The Joint Conference of Yeasts, Fungi and Medical Mycology in Taiwan

Organizers:

National Taiwan University (國立臺灣大學 生命科學院 & 生物資源暨農學院)

National Health Research Institutes, Taiwan (財團法人國家衛生研究院)

Mycological Society of Taiwan (中華民國真菌學會)

Centers for Disease Control, Taiwan (行政院衛生福利部疾病管制署)

Foundation of Professor Wei-Chuan Hsieh for Infectious Disease Research and Education (財團法人謝維銓教授感染醫學文教基金會)

Institute of Molecular Biology, Academia Sinica (中央研究院分子生物研究所)

Date: Oct 19-20, 2023

Venue: B1 Auditorium, Institute of Molecular Biology, Academia Sinica

Program

10/19 (Thr) 08:30-17:00			
Time	**Topics**	**Speakers**	**Moderators**
08:30~08:45	**Registration 報到**		
08:45~09:00	**Opening Remark 開幕致詞**	Hwai-Jong Cheng, AS 程淮榮 中研院	
09:00~09:30	**Keynote Speech** Fungi on the skin: *Malassezia* and beyond	Dr. Joseph Heitman Duke University	Dr. Jun-Yi Leu, AS 呂俊毅 中研院
09:30~10:00	**Keynote Speech** Interplay between the human antimicrobial peptide LL-37 and *Candida albicans*	Dr. Chung-Yu Lan, NTHU 藍忠昱 清華大學	
Session 1 - Medical Mycology			
10:00~10:20	Multiple ways lead to *Candida albicans* colonization in mammalian gut	Dr. Yu-Huan Tsai, NYMU 蔡雨寰 陽明交通大學	Dr. Ching-Hsuan Lin, NTU 林晉玄 台灣大學
10:20~10:50	**Break 休息**		
10:50~11:10	Challenges in clinical mycology – a dermatologist's perspective	Dr. Pei-Lun Sun, LCGMH 孫培倫 林口長庚	Dr. Ching-Hsuan Lin, NTU 林晉玄 台灣大學
Session 2 - Yeast			
11:10~11:30	Assembly and Regulation of Recombinase Nucleoprotein Filaments	Dr. Hung-Wen Li, NTU 李弘文 台灣大學	Dr. Jing-Jer Lin, NTU 林敬哲 台灣大學
11:30~11:50	DNA repair is regulated by chromosome configuration	Dr. Cheng-Sheng Lee, NTHU 李政昇 清華大學	
11:50~12:10	Mitochondrial Quality Control by the Ubiquitin-Proteasome System: Mitochondria-Associated Degradation (MAD)	Dr. Pin-Chao Liao, NTHU 廖品超 清華大學	

12:10~13:30	**Lunch 午餐 & PI meeting**		
13:30~14:30	**Poster session 1 - Yeast and Candida**		
Student talks: session 1 - Yeast and Candida			
14:30~14:38	Transcription factor Rap1 regulates cell wall integrity and host-pathogen interaction in *Candida albicans*	Wen-Han Wang, NTHU 王文翰 清華大學	Dr. Chi-Jan Lin, NCHU 林琦然 中興大學
14:38~14:46	Ileal mucus prevents filamentous *C. albicans* colonization in mammalian gut	Kuo-Yao Tseng, NYCU 曾國堯 陽明交通大學	
14:47~14:55	The potential markers for identifying the predominant genotype of azole-resistant *Candida tropicalis*	Kuo-Yun Tseng, NHRI 曾國鋆 國衛院	
14:55~15:03	eIF4G1 is required for the correct assembly of the 90S pre-ribosome by modulating the activity of the Fal1 helicase in *Saccharomyces cerevisiae*	Ching-Yu Liu, NTU 劉晴昱 台灣大學	
15:04~15:12	Bifunctional role of Hop2-Mnd1 in controlling the fidelity of meiosis recombination	Jo-Ching Peng, NTU 彭若晴 台灣大學	
15:13~15:21	Protein S-palmitoylation regulates different stages of meiosis in *Schizosaccharomyces pombe*	Thanh-Vy Pham, NHRI 范氏青薇 國衛院	
15:22~15:30	Arf-GAP Gcs1 phosphorylation modulates SNARE Snc1 recycling transport in response to ER stress	Pei-Juan Cai, NTU 蔡佩娟 台灣大學	
15:30~15:50	**Break 休息**		
Session 2 - Yeast			
15:50~16:10	Intrinsic autophagy receptors - a way to degrade macromolecular machines	Dr. Chia-Wei Lee, NTU 李家瑋 台灣大學	Dr. Kai-Yin Lo, NTU 羅凱尹 台灣大學
Student talks: session 2 - Yeast and Candida			
16:10~16:18	Rapid evolutionary repair by secondary perturbation of a primary disrupted transcriptional network	Po-Chen Hsu, AS 許博琛 中研院	Dr. Kai-Yin Lo, NTU 羅凱尹 台灣大學
16:18~16:26	Homeostatic Histone Acetylation via the H3K4me-Rpd3L Axis Promotes Genome Integrity during Transcription-Replication Conflicts	Shin Yen Chong, NIU 張舜延 宜蘭大學	
16:26~16:34	The Histone Deacetylase Hos2 Regulates Protein Expression Noise by Modulating Protein Translation Machinery	Wei-Han Lin, AS 林暐瀚 中研院	
16:34~16:42	The dual protection system for ribosomal protein uL14 by its dedicated chaperone and methyltransferase	Hao-Yu Chu, NTU 朱灝宇 台灣大學	
16:42~17:00	**Closing**		

10/20 (Fri) 08:30-17:30			
08:30~09:00	**Registration 報到**		
09:00~09:30	**Keynote Speech** Research and Application of Natural Plant Products as Botanical Fungicides for Control of Plant Diseases	Dr. Ting-Fang Hsieh, TARI 謝廷芳 農業試驗所	Dr. Sung-Yuan Hsieh, FIRDI 謝松源 食工所
09:30~10:00	**Keynote Speech** Diversity study of lignicolous fungi from freshwater in Taiwan	Dr. Teik Khiang Goh Univ. Tunku Abdul Rahman	
Session 3 - Fungi			
10:00~10:20	Dynamic transcriptional profiling in a nematode-trapping fungus reveals key processes required for various stages of fungal carnivory	Dr. Yen-Ping Hsueh, AS 薛雁冰 中研院	Dr. Sung-Yuan Hsieh, FIRDI 謝松源 食工所
10:20~10:50	**Break 休息**		
10:50~11:10	Unraveling the impacts of *Candida tropicalis*-derived metabolites on epithelial barrier function and immune responses during intestinal inflammation	Dr. Hao-Sen Chiang, NTU 江皓森 台灣大學	Dr. Isheng Jason Tsai, AS 蔡怡陞 中研院
11:10~11:30	Fungal saboteur of the forest: Pathology, ecology, and management of the brown root rot pathogen	Prof. Chia-Lin Chung, NTU 鍾嘉綾 台灣大學	
11:30~11:50	Identification of Core Genes in 853 Fungal Genomes	Dr. Pao-Yang Chen, AS 陳柏仰 中研院	Prof. Wen-Hsin Chung, NCHU 鍾文鑫 中興大學
11:50~12:10	Development of a bacterial-based dsRNA production system for controlling fungal pathogens by Spray-Induced Gene silencing (SIGS)	Dr. Li-Hung Chen, NCHU 陳禮弘 中興大學	
12:10~13:30	**Lunch 午餐 & 真菌學會理監事會議**		
13:30~13:50	**真菌學會會員大會**		
13:50~14:10	The role of needle-decomposing fungi in shaping contrasting fire adaptations between two *Pinus* subgenera	Dr. Chao-Li Huang, NCKU 黃兆立 成功大學	Prof. Pi-Han Wang, THU 汪碧涵 東海大學
Elevator pitch (poster- fungi)			
14:10~14:13	Yun-Zhen Chou (周筠臻), Academia Sinica		Dr. Yu-Ling Huang, NMNS 黃俞菱 科博館
14:14~14:16	Tsung-Yu Huang (黃琮蓊), Academia Sinica		
14:17~14:20	Hung-Che Lin (林宏澤), Academia Sinica		
14:21~14:24	Sheng-Chian Juan (阮聖茜), Academia Sinica		
14:25~14:28	Cheng-Hsuan Li (李承軒), National Chung Hsing University		
14:29~14:32	Khaled Abdrabo El-Sayid Abdrabo, Kaohsiung Medical University		
14:33~14:36	Tomoyo Iizuka (飯塚朋代), Academia Sinica		
14:37~14:40	Yi-Chung Lin (林奕均), National Chung Hsing University		
14:41~14:44	Bing- Jie Lee (李秉杰), Taipei Medical University		
14:45~14:48	Yu-Han Lin (林玉涵), Academia Sinica		
14:49~14:52	Florensia Ariani Damei (梅寶月), Academia Sinica		
14:53~14:56	Shu-Yu Wu (吳書瑜), National Chung Hsing University		
14:57~16:10	**Break 休息 & Poster session 2 - Fungi**		

Postdoc/student talk - Fungi session			
16:10~16:18	How cells determine the number of polarity sites: What we learned from math and Ascomycete fungi	Jian-geng Chiou, AS 邱澗庚 中研院	Dr. Wan-Rou Lin, FIRDI 林宛柔 食工所
16:19~16:27	A Carnivorous Mushroom Paralyzes and Kills Nematodes via a Volatile Ketone	Yi-Yun Lee, AS 李宜芸 中研院	
16:28~16:36	Collaborative Action of Fungal Virulence Factors Induces Immune Response by Targeting Specific Enterocytes and Enhanced Fungal Fitness in Mammalian Gut	Zi-Qi Gu, NYCU 顧子奇 陽明交通大學	
16:37~16:45	A predatory fungus detects prey pheromones via G-protein-coupled receptors	Chih-Yen Kuo, AS 郭芷嫣 中研院	
16:46~16:54	Transposon-Associated Epigenetic Regulation in *Termitomyces eurrhizus*	Yu-Chun Huang, AS 黃郁珺 中研院	
16:55~17:03	A Pan-Proteome of *Ustilago maydis* and Identification of Novel Effector Lineages in the Ustilaginaceae	Evan John, AS 江穎帆 中研院	
17:03~17:30	**Closing Ceremony**	Sung-Yuan Hsieh, Ching-Hsuan Lin, Kai-Yin Lo	

Poster Session 1 - Yeast and Candida		
10/19 13:30~14:30		
Poster 1	蔡德君	Surveillance of pathogenic yeasts in hospital environments in Taiwan
Poster 2	林巧梅	The Distribution of Clinical Isolated *Candida* species from Sterile Sites from 2002 to 2022 in Taiwan
Poster 3	黃子恒	Mechanisms of drug resistance in clinical *Candida tropicalis* in Taiwan
Poster 4	徐偉棠	An analysis of the distribution of *Candida* species from 2002 to 2022 and the evolution of antifungal resistance in *Candida tropicalis*
Poster 5	陳玉蓮	Fruits Are Vehicles of Drug-Resistant Pathogenic *Candida tropicalis*
Poster 6	鍾佩蓉	Evaluating the effectiveness of fungicides in inhibiting the growth of common pathogenic yeasts
Poster 7	陳秋玲	DNA cytosine methyltransferases differentially regulate DNA double strand break repair and genome-wide hypermutation in *Trichoderma reesei* meiosis
Poster 8	陳葆光	Depletion of Slm proteins results in rapamycin hypersensitivity and defective TORC2 signaling in *Saccharomyces cerevisiae*
Poster 9	Akshi Gupta	Ortholog replacement reveals a novel function of the transcription factor TFIIIC complex in mitotic chromosome segregation
Poster 10	楊閔淇	The Role of Sfp1 in *Candida albicans* Cell Wall Maintenance
Poster 11	楊俊欣	HSP90 BUFFERS LETHAL MUTATIONS IN YEAST
Poster 12	李以如	Noncanonical mechanisms promoting nuclear envelope integrity
Poster 13	邱柏維	Analysis of Cdc13-telomere complex assembly by colocalization single-molecule spectroscopy (CoSMoS)
Poster 14	林付真	Mitochondria-associated degradation pathway (MAD) functions in the oxidative phosphorylation system (OXPHOS)
Poster 15	王智頡	Strain-specific Interaction Between *Serratia marcescens* and *Candida tropicalis* in Polymicrobial Biofilms
Poster 16	劉睦琳	Investigate the role of lysosomal Ca2+ ion channel TRPML2 in *Candida albicans* Infection
Poster 17	黃郁婷	Investigate the novel regulation of virulence factors in *Candida albicans* underlying its catheter persistence
Poster 18	曾國堯	Imaging *Candida* biofilms in patient derived catheters reveals the role of blood immune cells in *Candida* persistence in implanted catheters
Poster 19	張瑀珊	The protein kinase A controls fungal growth, stress response and adherence in *Candida glabrata*
Poster 20	洪雅玲	Identification and characterization of genetic determinants preferentially required for intraspecies hybrid meiosis than for purebred meiosis

Poster 21	塗御碁	Identification and characterization of *Metschnikowia* yeasts for antagonistic ability against phytopathogen 梅奇氏酵母菌之鑑定及其植物性病原菌拮抗功能特性分析
Poster 22	邱奕寧	Molecular identification and screening of antagonistic *Vanrija* species against phytopathogen 凡利亞氏酵母菌分子鑑定與其對植物病原菌拮抗菌株篩選
Poster 23	邱婉筠	Glycerol targets the golgin Imh1 structure to promote its localization at the Golgi complex
Poster 24	林克文	A genetic screen for Hsp90 bufferable mutations in yeast essential genes
Poster 25	詹琍婷	Taiwan Yeast Bioresources Center
Poster Session 2 - Fungi		
10/20 14:57~16:10		
Poster 26	周筠臻	Unraveling the Role of NADPH Oxidase 2 (Nox2) in Trap Functionality of Nematode-Trapping Fungi, *Arthrobotrys oligospora*
Poster 27	徐瑞霞	蟬花菌絲體應用於預防碘酸鈉誘導視網膜病變之評估 Evaluation of *Cordyceps cicadae* mycelium in the prevention of sodium iodate-induced retinopathy
Poster 28	黃琮萌	Investigation of the Role of Cre1 in Nematode Predation in the nematode-trapping fungus *Arthrobotrys oligospora*
Poster 29	彭冠傑	Molecular Identification of Basidiomycota utilized by Erotylinae beetles to investigate the beetle-fungus relationship
Poster 30	彭冠傑	田野採集菇類樣本的最適 DNA 保存液探討
Poster 31	林宏澤	Dynamic transcriptional profiling in a nematode-trapping fungus reveals key processes required for various stages of fungal carnivory
Poster 32	朱心彤	液態發酵樟芝菌絲體萃取物和其活性成分於口腔黏膜下纖維化症功效評估 Evaluation of the efficacy of liquid fermented *Antrodia cinnamomea* mycelium extract and its active ingredients in oral submucous fibrosis
Poster 33	阮聖茜	The Roles of Ammonium Transporters in the Nematode-trapping Fungus *Arthrobotrys oligospora*
Poster 34	李承軒	Amazing yeasts associated with Rhopalidae stinkbugs
Poster 35	范羽萱	A modified workflow of isolating dermatophytes from soil
Poster 36	吳昕懋	*Scedosporium* 與環境因子的關聯

Poster 37	Khaled Abdrabo El-Sayid Abdrabo	Studies on the potential role of dimorphism trait in F: Ophiostomataceae for the pathogenicity rather than the symbios
Poster 38	潘冠妤	Functions of Reactive Oxygen Species and Calcium Ion in Sclerotia Formation of *Athelia rolfsii*
Poster 39	李岱竹	Phylogenetic analysis and potential application of *Barnettozyma* and related species 巴納特氏菌種之基因親緣關係與潛在應用評估
Poster 40	飯塚朋代	Evolutionary genomics of Predatory Ability: Genotype-phenotype relationship in Nematode-trapping devices of *Arthrobotrys oligospora* and its relatives
Poster 41	林奕均	Anti-inflammation and hypoglycemic activity of *Sanghuangporus* extract and analysis of active components
Poster 42	李秉杰	*Juvenile Ganoderma Lucidum* polyphenol extract modulates oxidative stress-induced effects on ARPE-19 retinal cells
Poster 43	林玉涵	*Ustilago maydis* PR-1-like protein has evolved two distinct domains for dual virulence activities
Poster 44	梅寶月	Chloroplast-targeting effector of *Ustilago maydis* promotes fungal virulence by suppressing plant cell death
Poster 45	吳書瑜	New records of macrofungi from montane cloud forest of Taiwan