



Scientific Program

GMT+8 (Taiwan Standard Time)

On-site venue: A1 Administration Building 2F Stanford Room
No. 100, Sec. 1, Jingmao Rd., Beitun Dist., Taichung City

Saturday, 28th May, 2022



Time	Content
12:00-13:00	Registration ISE Tour Attendees Registration 經方講座 (中文)
13:00-19:00	<p>Local Tour/Scenery Excursions (On-site & Virtual)</p> <ul style="list-style-type: none"> ☺ Taiwanese Tea Culture and Dendrobium Field Trip (on-site/extra charge fee) ☺ Registering for virtual can also watch the beauty of Taiwan synchronously online (From 13:00-15:00) <p>紀念張步桃國醫逝世十周年 經方特別講座 (Chinese)</p> <p>13:30-16:00 Stanford room</p> <ul style="list-style-type: none"> ☺ On-site & Virtual ☺ Free Lecture
19:00-21:00	<p>Editor-in-Chiefs Round Table Meeting (only virtual)</p> <p>Moderators: Prof. Michael Heinrich <i>EiC, Frontiers in Pharmacology; UCL, UK</i> Prof. Lie-Fen Shyur <i>Sinica Academia, Taiwan</i></p> <ul style="list-style-type: none"> ☺ Frontiers in Pharmacology - EiC Prof. Michael Heinrich ☺ Journal of Traditional and Complementary Medicine- EiC Prof. Lee-Yan Sheen ☺ Planta Medica: EiC Prof. Robert Fürst- EiC Prof. Robert Fürst ☺ Pharmaceutical Biology- EiC Prof. John M. Pezzuto ☺ Phytochemistry- EiC Prof. Thomas Efferth ☺ Phytotherapy Research- EiC Prof. Angelo A. Izzo <p>Discussion on best practice in publishing in the field by EICs and Q&A sessions for attendees.</p>



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On-site venue: A1 Administration Building B2 International Conference Hall (ICH) & B201 Room
No. 100, Sec. 1, Jingmao Rd., Beitun Dist., Taichung City

Sunday, 29th May, 2022

Time	Content
08:00-08:30	Registration ISE attendees (B2)
08:30-09:10	Opening Ceremony of the 21st International Congress of the International Society for Ethnopharmacology (ICH) Welcome Address President Mien-Chie Hung <i>China Medical University, Taiwan</i> Director Jaung-Geng Lin <i>Board of trustees, China Medical University, Taiwan</i> Director Tzu-Chan Tseng <i>Health Bureau of Taichung City Government, Taiwan</i> Director Yi-Tsau Huang <i>The Department of Chinese Medicine and Pharmacy of the Ministry of Health and Welfare, Taiwan</i> Director Hong-Chen Chen <i>The Department of Life Sciences of the Ministry of Science and Technology, Taiwan</i> President Fu-Yang Ko <i>Nation Union of Chinese Medical Doctors' Association, R.O.C.</i> President Chih-Lung Tai <i>Taichung Chinese Medical Doctor Association, Taiwan</i> Prof. Aiping LYU <i>School of Chinese Medicine, Hong Kong Baptist University, Hong Kong</i> President Prof. Günter Vollmer <i>International Society for Ethnopharmacology (ISE)</i>
09:10-09:20	Group Photo

Session 1 (ICH)
Ethnopharmacology in Taiwan

Moderator: Vice President Lu-Hai Wang | *China Medical University, Taiwan*

Time	Topic	Speaker
09:30-09:50	The Value-added Chinese Herbal Medicine to Translational Research	Prof. Yang-Chang Wu <i>Graduate Institute of Integrated Medicine, China Medical University, Taiwan</i>
09:50-10:10	A New Paradigm for Future Medicine Development from Formosan Medicinal Plants for Cancer Diseases	Prof. Lie-Fen Shyur <i>Agricultural Biotechnology Research Center, Academia Sinica, Taiwan</i>
10:10-10:20	Session 1 Speaker Q&A	
10:20-10:45	Oral Presentation MT002 Topic: Clarifying the Medical Function of Commercial Daodi-Ugon, the roots of <i>Helminthostachys zeylanica</i> , by Evidence-based Water-soluble Components	Shuen-Yih Fang <i>Department of Marine Biotechnology and Resources, National Sun Yat-sen University, Taiwan</i>
	MT008 Topic: Multi-informative molecular networking platform for exploring the metabolomic diversity of traditional Chinese medicine	Kuei-Hung Lai <i>PhD Program in the Clinical Drug Development of Herbal Medicine, Taipei Medical University, Taiwan</i>
	ES002 Topic: The Possible Efficacy of Herbal Medicine, Jing-Guan-Fang, for COVID-19 patients and close contacts during the pandemic outbreak in 2021 in Taiwan	Renn-shiuan Wei <i>Branch of Linsen, Chinese Medicine, and Kunming, Taipei City Hospital, Taiwan</i>
10:45-10:50	Session 1 Oral presentation Q&A	
10:50-11:10	Coffee Break	

Session 2 (ICH)
Modern Technologies in Bioactive Chemical Analytics and Quality Control
Moderator: Prof. Yuan-Shiun Chang | *China Medical University, Taiwan*

Time	Topic	Speaker
11:10-11:30	Recent developments in the quality control strategies of traditional herbal drugs in the European Pharmacopoeia	Prof. Dr. Rudolf Bauer <i>Institute of Pharmaceutical Sciences, Department of Pharmacognosy, University of Graz, Austria</i>
11:30-11:50	Metabolomic profiling of botanicals and traditional medicine	Dr. Sayeed Ahmad <i>Department of Pharmacognosy & Phytochemistry, School of Pharmaceutical Education & Research Jamia Hamdard New Delhi, India</i>
11:50-12:10	Metabolomics in quality evaluation of traditional medicine – Indian perspectives	Prof. Pulok Kumar Mukherjee <i>School of Natural Product Studies Dept. of Pharmaceutical Technology, Jadavpur University, India</i>
12:10-12:20	Session 2 Speaker Q&A	
12:20-12:28	Oral Presentation RC009 Topic: Specification of Traditional Chinese Medicine in the five Pharmacopoeias: origin, identification, contents, and impurities	Le Thanh Vinh Tuyen <i>Taipei Medical University, Taipei, Taiwan</i>
12:28-12:30	Session 2 Oral presentation Q&A	
12:30-13:30	Lunch Time	
13:30-14:10	Keynote Speech (ICH) Topic: Prospects and Challenges of Traditional Medicine in the 21st Century- A Taiwan Perspective	Director Yi-Tsau Huang <i>The Department of Chinese Medicine and Pharmacy of the Ministry of Health and Welfare, Taiwan</i>

Session 3 (ICH)
Ethnopharmacological Research towards New Drug Discovery

Moderator: Prof. Yang-Chang Wu | *China Medical University, Taiwan*

Time	Topic	Speaker
14:10-14:30	Ethnopharmacology in the context of traditional Vietnamese medicine.	Prof. Domenico Delfino <i>Department of Medicine and Surgery Section of Pharmacology University of Perugia, Italy</i>
14:30-14:50	Topic : TBC	Prof. Seong-Gyu Ko <i>WHO Collaborating Center for Traditional Medicine in South Korea, College of Korean Medicine, Kyung Hee University, Korea</i>
14:50-15:10	The effect of Chiehyuan Herbal Oral Protection Solution on ACE2 and TMPRSS2 variants of SARS-CoV-2	Dr. Ching Yuan Wu <i>Chiayi Chang Gung Memorial Hospital, Taiwan</i>
15:10-15:30	Session 3 Speaker Q&A	
15:30-15:50	Coffee Break	

Session 4 (ICH)
Ethnopharmacological Studies in the COVID pandemic

Moderator Prof. Yi-Hung Chen | *China Medical University, Taiwan*

Time	Topic	Speaker
15:50-16:10	The Traditional Chinese Medicine Formula, Jing Guan Fang(JGF), for Preventing SARS-CoV-2 Infection: From Clinic to Bench	Superintendent Chung-Hua Hsu <i>Taipei City Hospital, Linsen Chinese Medicine and Kunming Branch, Taiwan</i>
16:10-16:30	The development and application of NRICM101(台灣清冠一號) in the treatment of COVID-19	Prof. Yi-Chang Su <i>National Research Institute of Chinese Medicine, Ministry of Health and Welfare, Taiwan</i>

16:30-16:50	Covid-19 treatment from the aspect of Traditional Medicine in Japan	Prof. Kenji Watanabe <i>Center for Kampo Medicine, Keio University School of Medicine, Tokyo, Japan</i>
16:50-17:00	Session 4 Speaker Q&A	
17:00-17:08	Oral Presentation (including QA) ES008 Topic: Using an integrated analysis to identify Astragalus-based formula as potential treatment for COVID-19	Doan Hien Ly <i>Institute of Biopharmaceutical Sciences, National Yang Ming Chiao Tung University, Taipei, Taiwan</i>
17:08-17:10	Session 4 Oral presentation Q&A	
Parallel Events		
17:10-18:30	Campus Tour (virtual: ICH /on-site: Yingcai Campus) ★ Li-Fu Chinese Medicine Museum	Guided poster presentation (on official website/ B201)





GMT+8 (Taiwan Standard Time)

On-site venue: A1 Administration Building B2 International Conference Hall (ICH) & B201 Room
No. 100, Sec. 1, Jingmao Rd., Beitun Dist., Taichung City

Monday, 30th May, 2022



Time	Content
08:00-08:30	Tai Chi practice (virtual: ICH)

Parallel Events

08:30-09:30	Campus Tour (virtual: ICH) ★ Li-Fu Herbal Garden	Guided poster presentation (on official website/ B201)
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Session 5 (ICH)

Natural Compound Research from Southeast Asia to the World

Moderator: **Dr. Anastasia Karioti** | *Aristotle University of Thessaloniki, Greece*

Time	Topic	Speaker
09:30-09:50	Calcaratarin D, a Bioactive Labdane Diterpenoid, Protects Against Allergic Asthma via Modulating Alveolar Macrophage Functions	Prof. Wai Shiu Fred Wong <i>Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore</i>
09:50-10:10	Optimization of Herbal Formula to synergized combination drug discovery	Prof. Aiping LYU <i>School of Chinese Medicine, Hong Kong Baptist University, Hong Kong</i>
10:10-10:30	R&D in Three Cases of Natural Products	Prof. Fang-Rong Chang <i>Pharmacognosy and Graduate Institute of Natural Products, Kaohsiung Medical University, Taiwan</i>
10:30-10:40	Session 5 Speaker Q&A	
10:40-10:48	Oral Presentation (including QA) RM002 Topic: Targeting Glycolysis in Th2 cells by Pterostilbene Attenuates Clinical Severities in an Asthmatic Mice and IL-4 Production in PBMC from Asthmatic Patients	Chuan-Teng Liu <i>Chinese Medicine Research Center, China Medical University, Taiwan</i>

10:48-10:50	Session 5 Oral presentation Q&A		
10:50-11:10	Coffee Break		
Parallel Meetings			
11:10-12:30 Session 6 (ICH) Regulation and Challenges for Globalization of Traditional Medicine		11:00-13:00 (B201) Young Researcher Forum	
Moderator: Prof. Rudolf Bauer <i>University of Graz, Austria</i>		Moderator: Dr. Fabien Schultz <i>Technical University of Berlin</i> Dr. Jung, Chao <i>China Medical University</i>	
11:10-11:30	Topic : ConPhyMP - how to solve the challenges of characterising extracts used in pharmacological research Prof. Michael Heinrich <i>The School of Pharmacy Centre of Pharmacognosy and Phytotherapy, University College London, United Kingdom</i>	11:00-11:20	Topic: Castaneroxy A from the Leaves of Castanea sativa Inhibits Virulence in MRSA Dr. Akram Salam
11:30-11:50	Topic : TBC Prof. De-an Guo <i>Shanghai Institute of Materia Medica, Chinese Academy of Sciences, China</i>	11:20-11:40	Topic: Genetic and chemical exploration of the extremophiles living in a Boiling River in the Amazon Rainforest Dr. Rosa Vásquez Espinoza
11:50-12:10	Topic: Quality Control of TCM Herbs and Herbal Preparations in Taiwan Prof. Yuan-Shiun Chang <i>Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources, China Medical University, Taiwan.</i>	11:40-12:00	Topic: The Future of Ethnopharmacology in East Africa: Some Examples on the Current Status, Challenges and Opportunities Timothy Omara

12:10-12:20	Session 6 Speaker Q&A	12:00-12:20	Topic: The ethnopharmacology of Cinchona bark and the history of quinine Dr. Nataly A. Canales
12:20-12:28	Oral Presentation RC003 Topic: Designing delivery models of traditional and complementary medicine services: a review of international experiences Leonard Ho <i>Chinese University of Hong Kong</i>	12:20-12:40	Topic: Fabrication, characterization of phyto-functionalized silver nanoparticles derived from aqueous leaf extract of <i>Atropa acuminata</i> and evaluation of their therapeutic potential Dr. Shubra Rajput
12:28-12:30	Session 6 Oral presentation Q&A	12:40-13:00	Topic: Botanical survey in Taiwan Traditional Chinese Medicine for women disease Chien-Yu Ko
12:30-13:30	Lunch Time		
13:30-14:10	Keynote Speech (ICH) Topic: Physiological and molecular dissection of multiple bioactivities of hops		President Prof. Günter Vollmer <i>International Society for Ethnopharmacology</i>
Session 7 (ICH) Herbal Resources & Biotechnology and Ethnobotanical Research Moderator: Prof. Namrita Lall <i>University of Pretoria , South Africa</i>			
Time	Topic	Speaker	
14:10-14:30	Five major aromatic medicines from Compendium of Materia Medica	Prof. Zhongzhen Zhao <i>School of Chinese Medicine, Hong Kong Baptist University, Hong Kong</i>	
14:30-14:50	Ethnopharmacology in Chile: Opportunities and challenges	Dr. Javier Echeverria <i>Universidad de Santiago de Chile, Chile</i>	

14:50-15:10	Retrospective Survey of Treatment and Outcomes of COVID-19 in the community of the UK and Italy	Prof. Marco Leonti <i>Department of Biomedical Sciences, University of Cagliari, Italy</i>
15:10-15:30	HPLC-PDA-MS studies, molecular authentication, and clonal propagation of Greek native <i>Satureja pilosa</i> (Lamiaceae): Towards the sustainable exploitation of a selected biotype as a new industrial crop	Dr. Anastasia Karioti <i>Laboratory of Pharmacognosy, School of Pharmacy, Aristotle University of Thessaloniki</i>
15:30-15:40	Session 7 Q&A	
15:40-15:50	Coffee Break	
Parallel Meetings		
Session 8: Traditional Medicine Database and AI Technology (ICH)		Session 9: Ethnoveterinary Pharmacology and One Health (B201)
Moderator: Dr. Mei-Yao Wu <i>China Medical University, Taiwan</i>		Moderator: Prof. Pulok Kumar Mukherjee <i>Jadavpur University, India</i>
15:50-16:10	Topic : TBC Vice Superintendent Chin-Chi Kuo <i>Big Data Center, China Medical University Hospital, Taiwan</i>	15:50-16:10 Topic : Strong and weak points between the ethnoveterinary and phytomedicinal approaches in using plants to enhance animal health and productivity Prof. Jacobus Nicolaas Eloff <i>Phytomedicine Programme, University of Pretoria, South Africa</i>
16:10-16:30	Topic : TCM on a smartphone Prof. Kun-Chan Lan <i>Department of Computer Science and Information Engineering, National Cheng Kung University, Taiwan</i>	16:10-16:30 Topic : Morinda lucida (Rubiaceae): investigations on a potential phytogenic poultry feed additive Prof. Lyndy J. McGaw <i>Faculty of Veterinary Science, Department of Paraclinical Sciences, University of Pretoria, South Africa</i>

16:30-16:50	<p>Topic : TBC</p> <p>Prof. Chang-Eop Kim <i>Department of Physiology, College of Korean Medicine, Gachon University, Korea</i></p>	16:30-16:40	Session 9 Speaker Q&A
16:50-17:00	Session 8 Speaker Q&A	16:40-16:48	<p>Oral Presentation EP003 Topic: Self-medication in wild chimpanzees and mountain gorillas - Local knowledge and discovery of novel natural remedies</p> <p>Fabien Schultz <i>Technical University of Berlin, Germany</i></p>
17:00-17:08	<p>Oral Presentation TM001 Topic: Chinese herbal medicine reduced the risk of attention deficit hyperactivity disorder in pediatric patients with atopic dermatitis: A population-based retrospective cohort study</p> <p>Chieh Wang <i>Department of Chinese Medicine, China Medical University Hospital, Taiwan</i></p>	16:48-17:06	<p>Oral Presentation IA011 Topic: Establishing an International Disease Coding System for Traditional Chinese Veterinary Medicine: A Pilot Study in Dogs</p> <p>Chien-Min Lien <i>Institute of Traditional Medicine, National Yang Ming Chiao Tung University, Taiwan</i></p>
17:08-17:10	Session 8 Oral presentation Q&A	17:06-17:10	Session 9 Oral presentation Q&A



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Tuesday, 31st May, 2022



Time	Content	
08:00-08:30	Ba-duan-jin practice (virtual: ICH)	
08:30-09:10	Keynote Speech (ICH) Topic: To be confirmed	Academician Prof. Tommy Yung-Chi Cheng <i>Chairman, Consortium for the Globalization of Chinese Medicine (CGCM)</i> <i>Yale University School of Medicine, USA</i>
Session 10 (ICH) Part I Preventive Medicine by Herbal Plants/Diet and other topics related to Ethnopharmacology Moderator: Dr. Wen-Te Chang <i>China Medical University</i>		
Time	Topic	Speaker
09:10-09:30	The anti-inflammatory mechanisms of Shen-Zhuo-Tang in osteoarthritis	Prof. Lee-Yan Sheen <i>Center for Food and Biomolecules, Institute of Food Science and Technology, National Taiwan University, Taiwan</i>
09:30-09:40	Session 10 Q&A	
Session 11 (ICH) Herb-Drug Interactions and Safety Issues Moderator: Dr. Jia-bo Wang <i>Fifth Medical Center of Chinese PLA General Hospital, China</i>		
09:40-10:00	Chinese herb-hormone therapy interactions: challenges and opportunities for integrative medicine	Prof. Jung-Nien Lai <i>Department of Chinese Medicine, China Medical University Hospital, Taichung, Taiwan.</i>

10:00-10:20	Phytopharmacovigilance: detecting and responding to adverse reactions associated with herbal and traditional medicines	Associate Professor Jo Barnes <i>School of Pharmacy, University of Auckland, New Zealand</i>
10:20-10:40	Topic : TBC	Dr. Jia-bo Wang <i>Integrative Medical Center, Fifth Medical Center of Chinese PLA General Hospital, China</i>
10:40-10:50	Session 11 Speaker Q&A	
10:50-11:10	Coffee Break	
Parallel Events		
11:00-13:00 African Workshop (ICH) Moderator: Prof. Namrita Lall <i>University of Pretoria, South Africa</i>		11:10-12:30 (B201) Campus Tour (virtual) ★ College of Chinese Medicine ★ Chinese Medicine Research Center ★ Dept of Chinese Medicine at CMUH
Time	Content (African Workshop)	
11:00-11:15	Anna-Mari Reid Topic: COVID-19 and viral pandemics throughout history Abstract reference number	
11:15-11:30	Ananya Goel Topic: Plant-based adjuvant to combat COVID-19	
11:30-11:45	Brandon Alston Topic: Medicinal plants as a tool in the fight against COVID-19	
11:45-12:00	Anywar Godwin Topic: African medicinal plant species as potential vaccine candidates: A case of Ugandan medicinal plants	
12:00-12:15	Kalakotla Shanker Topic: THERAPEUTIC POTENTIAL OF MEDICINAL PLANTS: AN ALTERNATIVE THERAPY TO COMBAT IMMUNITY DISORDERS & COVID-19	
12:15-12:30	PORTIA HLAKO Topic: The Registration of Complementary Medicines in South Africa: A Regulatory Perspective.	
12:30-12:40	Ashish Wadhwani Topic: Antiviral potential of components of tea and other medicinal plants from Mauritius for the treatment of COVID-19	

12:40-12:50	Naglaa Ashmawy Topic: Significant alteration in the metabolism and immunity of peripheral blood monocyte-derived macrophages to residual SARS-CoV-2 proteins	
12:30-13:20	Lunch Time	
Session 10 (ICH) Part II Preventive Medicine by Herbal Plants/Diet and other topics related to Ethnopharmacology Moderator: Dr. Wen-Te Chang <i>China Medical University</i>		
13:20-13:40	Optimization of Herbal Formula to synergized combination drug discovery	Prof. Pei-Wen Hsiao <i>Agricultural Biotechnology Research Center (ABRC), Academia Sinica, Taiwan</i>
13:40-14:00	The anti-inflammatory mechanisms of Shen-Zhuo-Tang in osteoarthritis	Prof. Ching-Chiung Wang <i>School of Pharmacy, Taipei Medical University, Taiwan</i>
14:00-14:10	Session 10 Q&A	
Session 12 (ICH) Academic-Industrial Collaboration in Modernization of Traditional Medicine Moderator: Prof. Ming-Kuem Lin <i>China Medical University, Taiwan</i>		
Time	Topic	Speaker
14:10-14:30	Fostering Academia-Industry Collaborative Research- PHELA Product Development and its Repurposing for COVID-19 - A case study	Prof. Motlalepula Matsabisa <i>Research Unit Director at University of the Free State, South Africa</i>
14:30-14:50	Phytochemical analysis of herbal and plant-based products: quality and adulteration	Dr. Anthony Booker <i>Chinese Herbal Medicine and Medicinal Plant Sciences, University of Westminster, UK</i>
14:50-15:10	Research and Development of Bidens pilosa for metabolic syndrome	Prof. Wen-Chin Yang <i>Agricultural Biotechnology Research Center (ABRC), Academia Sinica, Taiwan</i>
15:10-15:20	Session 12 Speaker Q&A	

15:20-15:28	Oral Presentation (including QA) HR012 Topic: Integrated analysis of medicinal Dendrobium fimbriatum in different growth years	Yun Chen Tsai <i>Sun Ten Pharmaceutical Co., Ltd</i>
15:28-15:30	Session 12 Oral presentation Q&A	
15:30-15:50	Coffee Break	
Session 13 (ICH) Integrating Ancient Knowledge into Modern Clinical Practice Moderator: Prof. Hung-Rong Yen <i>China Medical University, Taiwan</i>		
Time	Topic	Speaker
15:50-16:10	The side effects of traditional Chinese medicine	Prof. Jing Yu <i>Yokohama University of Pharmacy, Japan</i>
16:10-16:30	The Experience of Traditional Chinese Medicine formula in Treating Sjogren's Syndrome	Prof. Hen-Hong Chang <i>Graduate Institute of Integrated Medicine, China Medical University, Taiwan</i>
16:30-16:50	Traditional Thai Medicine in Precision Medicine	Dr. Pravit Akarasereenont <i>WHO Collaborating Centre for Traditional Medicine in Thailand</i> <i>Mahidol University, Thailand</i>
16:50-17:10	Session 13 Speaker Q&A	
17:10-18:00	Travel Grants, Poster Awards & Closing Ceremony	

