



第 29 屆細胞及分子生物新知研討會

The 29th Symposium on Recent Advances in Cellular and Molecular Biology

Date: 2024.1.24 (三)~1.26 (五) Venue: 墾丁悠活渡假村宴會廳

Wednesday, Jan 24, 2024	
17:30~18:30	<i>Dinner</i>
18:30~18:40	Welcome & Opening Remark <u>Huey-Kang Sytwu, Ph.D.</u> President, National Health Research Institutes President, The Chinese Society of Cell and Molecular Biology 司徒惠康 院長 / 國家衛生研究院 理事長 / 中華民國細胞及分子生物學學會
Session I : Cell Therapy Chairperson : <u>Andrew H.-J. Wang, Ph.D.</u> Distinguished Visiting Chair, Biomedical Translation Research Center, Academia Sinica (王惠鈞客座講座教授/中央研究院生醫轉譯研究中心)	
18:40~19:10	Metabolic Insights and Synergistic Cell Therapy for Cardiac Regeneration <u>Hsieh, Patrick Ching-Ho, Ph.D.</u> Distinguished Research Fellow, Institute of Biomedical Sciences, Academia Sinica 謝清河特聘研究員 / 中央研究院生物醫學科學研究所
19:10~19:40	Personalized Neoantigen-based T Cell Therapy for Solid Tumors <u>Shuen-iu Hung, Ph. D.</u> Director, Cancer Vaccine & Immune Cell Therapy Core Lab, Chang Gung Memorial Hospital, Linkou Branch 洪舜郁主任 / 林口長庚紀念醫院癌症疫苗暨免疫細胞治療核心實驗室
19:40~20:00	<i>Break</i>
20:00~20:30	Generation of hypoimmunogenic human iPSC derived cardiomyocytes for cardiac regeneration <u>Yen-Wen Liu, Ph.D.</u> Professor, Division of Cardiology, Department of Internal Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University 劉嚴文教授 / 國立成功大學附設醫院心臟內科

20:30~21:00	<p>Next-Generation Nanoscale Carriers for Enhanced Cancer Immunotherapy</p> <p><u>Yun-Ching Chen, Ph.D.</u> Director, Biomedical Science & Engineering Center Professor, Institute of Biomedical Engineering, National Tsing Hua University 陳韻晶教授 /國立清華大學生物醫學工程研究所</p>
21:00~22:00	<i>Happy hour</i>

Thursday, Jan 25, 2024

Keynote Lecture I 吳成文院士學術講座

Chairperson : Hsing-Jien Kung, Ph.D.
Academician, Academia Sinica
Chair Professor, Ph. D. Program for Cancer Molecular Biology and Drug Discovery, TMU
(龔行健講座教授 /台北醫學大學癌症生物學與藥物研發博士學位學程)

08:00~09:00	<p>Centriole, Centrosome, and Cilium: How These Organelles are Built in Cells and How Their Function Contributes to Disease</p> <p><u>Tang, Tang K, Ph.D.</u> Vice President, Academia Sinica Distinguished Research Fellow, Institute of Biomedical Sciences, Academia Sinica 唐 堂 院士 副院長 /中央研究院 特聘研究員 /中央研究院生物醫學科學研究所</p>
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09:00~09:10	<i>Group Photo</i>
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09:10~09:20	<i>Break</i>
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Session II : RNA Biology & Nucleic acid drugs

Chairperson : Yuh-Shan, Jou, Ph.D.
Distinguished Research Fellow
Institute of Biomedical Sciences, Academia Sinica
(周玉山特聘研究員 /中研院生物醫學科學研究所)

09:20~09:50	<p>lncRNAs coordinate with RNA processing factors in DNA damage repair</p> <p><u>Woan-Yuh Tarn, Ph.D.</u> Distinguished Research Fellow, Institute of Biomedical Sciences, Academia Sinica 譚婉玉特聘研究員 /中央研究院生物醫學科學研究所</p>
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09:50~10:20	<p>Programmable modulation of ribosomal frameshifting by mRNA targeting CRISPR-Cas12a system</p> <p><u>Chien-Hung Yu, Ph.D.</u> Assistant Professor, Department Biochemistry and Molecular Biology, National Cheng Kung University 余建泓助理教授 /國立成功大學生物化學暨分子生物學研究所</p>
10:20~10:40	<i>Break</i>
10:40~11:10	<p>Development of RNA therapy for ocular diseases: From bench to clinical trials</p> <p><u>Suh-Hang Juo, Ph.D.</u> Chairman & CEO, DreamHawk (Sunhawk) Vision Biotech, Inc. Professor, Institute of Translational Medicine and New Drug Development, China Medical University 卓夙航 董事長兼執行長 / 睛（視）航生物醫學集團 特聘教授 /中國醫藥大學轉譯醫學及新藥開發研究所</p>
11:10-11:55	<ul style="list-style-type: none"> • Introduction to Vaccine Manufacturing Process Development of Nucleic Acid Pilot Plant at Biomedical Translation Research Center (BioTReC), Academia Sinica <p><u>Wen-Shan Li, Ph.D.</u> Deputy Director, Biomedical Translation Research Center, Academia Sinica Research Fellow, Institute of Chemistry, Academia Sinica 李文山副主任 /中研院生醫轉譯研究中心</p>
	<ul style="list-style-type: none"> • Nucleic acid drugs and raw materials service platform <p><u>Shih-Jen Liu, Ph. D.</u> Investigator & Deputy Director, National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes 劉士任副所長 /國衛院感染症與疫苗研究所</p>
	<ul style="list-style-type: none"> • mRNA 技術在難以轉染細胞及動物模式的應用 <p><u>Lily Hui-Ching Wang, Ph. D.</u> Professor, School of Medicine, Institute of Molecular and Cellular Biology, National Tsing Hua Univeristy 王慧菁教授 /國立清華大學分子與細胞生物研究所學士後醫學系</p>
11:55~12:50	<i>Lunch</i>
12:50~14:10	Poster Presentation I

Dr. Chien-Tien Hsu's Award Presentation

Chairperson : Alan Yueh-Luen Lee, Ph. D.

Investigator, National Institute of Cancer Research, National Health Research Institutes
Deputy Director, Department of Research Planning and Development, National Health Research Institutes

李岳倫 研究員 /國家衛生研究院癌症研究所

副處長 /國家衛生研究院學術發展處

14:20~14:40	Speaker 1
14:40~15:00	Speaker 2
15:00~15:20	Speaker 3
15:20~15:40	Speaker 4
15:40~16:00	Speaker 5
16:00~16:20	<i>Break</i>
16:20~16:40	Speaker 6
16:40~17:00	Speaker 7
17:00~17:20	Speaker 8
17:20~17:40	Speaker 9
17:40~19:40	<i>Banquet</i>
19:40~21:20	Poster Presentation II

Friday, Jan 26, 2024

Keynote Lecture II

Chairperson : Ruey-Hwa Chen, Ph.D.

Distinguished Research Fellow, Institute of Biological Chemistry, Academia Sinica

(陳瑞華特聘研究員 /中研院生物化學研究所)

08:00~09:00	Immunoregulatory mechanisms in fat cell development and function <u>Chih-Hao Lee, Ph.D.</u> Distinguished Research Fellow, Genomics Research Center, Academia Sinica 李志浩特聘研究員 /中央研究院基因體研究中心
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Session III : Metabolism

Chairperson : Yau-Huei Wei, Ph.D.

Managing Director, Center for Mitochondrial Medicine and Free Radical Research,
Changhua Christian Hospital

(魏耀揮院長 /彰基粒線體醫學暨自由基研究院)

09:00~09:30	<p>AI-Enhanced Precision Medicine for Diabetic Kidney Disease <u>Ting-Fen Tsai, Ph.D.</u> Distinguished Professor, Department of Life Sciences and Institute of Genome Sciences, National Yang-Ming Chiao Tung University Investigator, Institute of Molecular and Genomic Medicine, National Health Research Institute 蔡亭芬 特聘教授 / 國立陽明交通大學生命科學系暨基因體科學研究所 合聘研究員 / 國家衛生研究院分子與基因醫學研究所</p>
09:30~10:00	<p>Exploring New Frontiers: 3D Spatial Reconstruction and Enhanced Visualization of Schizophrenia Mouse Brain Biomarkers Using Mass Spectrometry Imaging <u>Yu-Fang Tseng, Ph.D.</u> Professor, Master's Program in Smart Medicine and Information, National Taiwan University 曾宇鳳教授 / 臺大智慧醫療與健康資訊碩士學程</p>
10:00~10:15	<i>Break</i>
10:15~10:45	<p>Endothelin 3/EDNRB signaling induces thermogenic differentiation of white adipose tissue <u>Chih-Hao Wang, Ph.D.</u> Assistant Professor, Graduate Institute of Cell Biology, China Medical University 王志豪助理教授 / 中國醫藥大學細胞生物學研究所</p>
10:45-11:15	<p>H2S: The Overlooked Baserunner in Cancer Metabolism <u>Kai-Ti Lin, Ph.D.</u> Associate Professor, Institute of Biotechnology & Department of Medical Science, National Tsing Hua University 林愷悌副教授 / 國立清華大學生物科技研究所</p>
11:15~12:00	<p>2024 Annual Meeting of the Members, Award Ceremony and Closing Remarks</p>
12:00~13:00	<i>Lunch</i>
13:00	<i>Departure</i>