



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: 墾丁悠活渡假村國際宴會廳

Wednesday, Jan 24, 2024	
14:00~17:30	<i>Registration</i>
17:30~18:30	<i>Dinner</i>
18:30~18:40	<p>Welcome & Opening Remark <u>Huey-Kang Sytwu, M.D., Ph.D.</u> President, National Health Research Institutes President, The Chinese Society of Cell and Molecular Biology 司徒惠康 院士 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</p>
<p>Session I : Cell Therapy Chairperson : <u>Andrew H.-J. Wang, Ph.D.</u> Distinguished Visiting Chair, Biomedical Translation Research Center, Academia Sinica (王惠鈞院士 客座講座教授/中央研究院生醫轉譯研究中心)</p>	
18:40~19:10	<p>Metabolic Insights and Synergistic Cell Therapy for Cardiac Regeneration <u>Hsieh, Patrick Ching-Ho, M.D., 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</p>
19:10~19:40	<p>Personalized Neoantigen-based T Cell Therapy for Solid Tumors <u>Shuen-ju 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</p>
19:40~20:00	<i>Break</i>
20:00~20:30	<p>Generation of hypoinmunogenic human iPSC derived cardiomyocytes for cardiac regeneration <u>Yen-Wen Liu, M.D., Ph.D.</u> Professor, Division of Cardiology, Department of Internal Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University</p>

	劉嚴文教授/國立成功大學醫學院附設醫院心臟內科
20:30~21:00	<p>Next-Generation Nanoscale Carriers for Enhanced Cancer Immunotherapy</p> <p><u><i>Yun-Ching Chen, Ph.D.</i></u></p> <p>Director, Biomedical Science & Engineering Center Professor, Institute of Biomedical Engineering, National Tsing Hua University</p> <p>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
(龔行健院士 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	Centriole, Centrosome, and Cilium: How These Organelles are Built in Cells and How Their Function Contributes to Disease <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
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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	lncRNAs coordinate with RNA processing factors in DNA damage repair <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
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09:50~10:20	Programmable modulation of ribosomal frameshifting by mRNA targeting CRISPR-Cas12a system <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
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10:20~10:40	<i>Break</i>
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10:40~11:10	Development of RNA therapy for ocular diseases: From bench to clinical trials <u>Suh-Hang Juo, M.D., 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
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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 <i>Wen-Shan Li, Ph. D.</i> 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
	<ul style="list-style-type: none"> · Nucleic acid drugs and raw materials service platform <i>Shih-Jen Liu, Ph. D.</i> 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
	<ul style="list-style-type: none"> · Application of mRNA technology in difficult-to transfect cells and animal models <i>Lily Hui-Ching Wang, Ph. D.</i> Professor, School of Medicine, Institute of Molecular and Cellular Biology, National Tsing Hua University 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
11:55~12:50	<i>Lunch</i>
12:50~14:10	Poster Presentation I (12:50 前張貼 – 14:15 撤海報)
Dr. Chien-Tien Hsu's Award Presentation Chairperson : <i>Alan Yueh-Luen Lee, Ph. D.</i> 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 秘書長/中華民國細胞及分子生物學學會	
14:20~14:40	薛諱陽/國立清華大學分子與細胞生物研究所
14:40~15:00	陳晉豪/國立成功大學醫學院基礎醫學研究所
15:00~15:20	楊翔傑/國立成功大學基礎醫學研究所
15:20~15:40	李倫維/國立成功大學基礎醫學研究所
15:40~16:00	黃俞皓/國立陽明交通大學分子醫學博士學位學程
16:00~16:20	<i>Break</i>
16:20~16:40	江孟軒/桃園長庚大學醫學院生物醫學所
16:40~17:00	蘇佑安/國立臺灣大學醫學院分子醫學研究所
17:00~17:20	吳慶龍/國立成功大學基礎醫學研究所

17:20~17:40	顏資儷/中央研究院分子生物研究所
17:40~19:40	<i>Banquet</i>
19:40~21:20	Poster Presentation II (19:40 前張貼, 21:25 撤海報)

Friday, Jan 26, 2024	
Keynote Lecture II	
Chairperson : <u>Ruey-Hwa Chen, Ph.D.</u> 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
Session III : Metabolism	
Chairperson : <u>Yau-Huei Wei, Ph.D.</u> 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	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
09:30~10:00	Exploring New Frontiers: 3D Spatial Reconstruction and Enhanced Visualization of Schizophrenia Mouse Brain Biomarkers Using Mass Spectrometry Imaging <u>Yufeng Jane Tseng, Ph.D.</u> Professor, Graduate Institute of Biomedical Engineering and Bioinformatics, Department of Computer Science & Information Engineering Metabolomics Core Laboratory, Genomics Center School of Pharmacy, National Taiwan University 曾宇鳳教授/國立臺灣大學資訊工程學系暨研究所
10:00~10:15	<i>Break</i>
10:15~10:45	Endothelin 3/EDNRB signaling induces thermogenic differentiation of white adipose tissue

	<p><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	<p><i>Lunch</i></p>
13:00	<p><i>Departure</i></p>