

# 第 30 屆細胞及分子生物新知研討會暨 30 屆慶祝活動

## 議程表

Date: 2025/1/9(Thu)-2025/1/11(Sat)

Venue: 屏東墾丁福華渡假飯店福華廳

### ■ Thursday, 9 January, 2025

Time	Events
14:00~17:00	<b>Registration</b>
17:30~19:30	<b>Opening Remarks / Welcome Banquet &amp; 30<sup>th</sup> Anniversary Celebration</b> <b><u>Huey-Kang Sytwu, MD. &amp; Ph. D.</u></b> (司徒惠康院士) President, The Chinese Society of Cell and Molecular Biology President, The National Health Research Institutes, Taiwan
19:30~21:30	<b>Poster Presentation</b>

### ■ Friday, 10 January, 2025

Time	Events
<b><u>Keynote Lecture I (吳成文學術講座)</u></b> Moderator : <b><u>Ming-Jer Tang, Ph.D.</u></b> (湯銘哲特聘教授/成功大學生理學科暨研究所) Distinguished Professor, Department of Physiology, National Cheng Kung University	
09:00~09:40	<b>A.I.: Is biomedicine's Newtonian moment finally here?</b> <b><u>Ching-Yung Lin, Ph.D.</u></b> (林清詠執行長/美國圖策生技) CEO, Graphen Drugomics, Inc
<b>Session I. AI in Life Science</b> Moderator : <b><u>Hsiu-Ming Shih, Ph.D.</u></b> (施修明研究員兼智慧醫學專題中心執行長/中央研究院) Research Fellow and CEO, Institute of Biomedical Sciences & Biomedical Translation Research Center, Academia Sinica	
09:40~10:05	<b>From bench to bedside-AI-powered SaMD applied in maternal-fetal precision medicine</b> <b><u>H. Sunny Sun, Ph.D.</u></b> (孫孝芳教授/成功大學分子醫學研究所) Professor, Institute of Molecular Medicine, National Cheng Kung University
10:05~11:00	<i>Group Photo / Coffee Break</i>
11:00~11:25	<b>AI in Drug Discovery</b> <b><u>Chun-Wei Tung, Ph.D.</u></b> (童俊維研究員/國衛院生技與藥物研究所) Investigator, Institute of Biotechnology and Pharmaceutical Research, National Health Research Institutes
11:25~11:50	<b>Utilizing a multimodal foundation model for constructing an AI-enabled opportunistic screening framework for the next-generation healthcare system</b> <b><u>Chin Lin, Ph.D.</u></b> (林嶽副教授/國防醫學院醫學系) Associate Professor, School of Medicine, National Defense Medical Center
11:50~13:30	<i>Lunch</i>

## Dr. Chien-Tien Hsu's Award Presentation 徐千田優秀論文競賽

Moderator : Alan Yueh-Luen Lee, Ph.D. (李岳倫細分學會秘書長/國衛院學發處副處長)

Secretary General, The Chinese Society of Cell and Molecular Biology

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

- 13:30~13:50 包原韶 / 清華大學分子與細胞生物研究所  
13:50~14:10 曾國璽 / 國家衛生研究院感染症與疫苗研究所  
14:10~14:30 葉乃陽 / 中研院生物化學研究所  
14:30~14:50 沈久倫 / 中研院生物醫學科學研究所  
14:50~15:30 *Coffee Break*  
15:30~15:50 林澤言 / 台灣大學醫學院生理學研究所  
15:50~16:10 許嘉展 / 清華大學生物科技研究所  
16:10~16:30 古雅竺 / 成功大學基礎醫學研究所  
16:30~16:50 維娜斯 / 中研院分子生物研究所  
16:50~18:30 *Dinner*

## New Blood Speech 新秀學者演講

Moderator : Ruey-Hwa Chen, Ph.D. (陳瑞華特聘研究員/中央研究院生物化學研究所)

Distinguished Research Fellow, Institute of Biological Chemistry, Academia Sinica

Moderator : Yijiang Chern, Ph.D. (陳儀莊特聘研究員兼所長/中央研究院生物醫學科學研究所)

Director & Distinguished Research Fellow, Institute of Biomedical Sciences, Academia Sinica

- 18:30~18:50 **Investigation of single-cell NF- $\kappa$ B activation: Sensitivity towards input dynamics and membrane receptor**  
Hsiung-Lin Tu, Ph. D. (涂熊林副研究員/中央研究院化學研究所)  
Associate Research Fellow, Institute of Chemistry, Academia Sinica
- 18:50~19:10 **Inferring dominant selective forces shaping the evolution of pathogens across space and time**  
Hsiao-Han Chang, Ph. D. (張筱涵副教授/清華大學生物資訊與結構生物研究所)  
Associate Professor, Institute of Bioinformatics and Structural Biology National Tsing Hua University
- 19:10~19:30 **Neurotoxicity of hyperphosphorylated tau oligomers linked to Alzheimer's disease**  
Hong-Ru Chen, Ph. D. (陳虹如助理教授/陽明交通大學生科系暨基因體科學研究所)  
Assistant Professor, Department of Life Sciences and Institute of Genome Sciences, National Yang Ming Chiao Tung University
- 19:30~19:50 **The Code of the Rings: Decoding Circular RNAs in Autism**  
Te-Lun Mai, Ph. D. (麥德倫助理教授/台灣大學生命科學系)  
Assistant Professor, Department of Life Science, National Taiwan University
- 19:50~20:10 **Induced Proximity and Targeted Protein Editing**  
Po-Han Chen, Ph. D. (陳伯翰助理教授/成功大學醫學院生物化學暨分子生物學研究所)  
Assistant Professor, Dept. Biochemistry and Molecular Biology, College of Medicine, National Cheng Kung University

20:10~20:30	<b>Innovative PROTAC Strategies for Degrading Androgen Receptors in Advanced Prostate Cancer</b> <u>Ling-Yu Wang, Ph. D.</u> (王齡玉助理教授/長庚大學生化分生科) Assistant Professor, Department of Biochemistry and Molecular Biology, Chang Gung University
20:30~20:50	<b>Translational Medicine in the Face of Carcinogens: Genome Editing and Its Clinical Impact</b> <u>Ya-Hsuan Chang, Ph. D.</u> (張雅煊助理教授/國衛院分子與基因醫學研究所) Assistant Investigator, Institute of Molecular and Genomic Medicine, National Health Research Institutes
20:50~22:00	30 重聚

■ *Saturday, 11 January, 2025*

Time	Events
<b><u>Keynote Lecture II</u></b>	
Moderator : <u>Y. Henry Sun Ph.D.</u> (孫以瀚名譽研究員/國衛院分子與基因醫學研究所) Investigator Emeritus, Institute of Molecular and Genomic Medicine, National Health Research Institutes	
09:00~9:40	<b>Bridge Precision Medicine and Personal Healthcare by Digital Innovation</b> <u>Meng-Ru Shen, M.D., Ph.D.</u> (沈孟儒校長/成功大學) President, National Cheng Kung University
<b>Session II : 生物晶片之開發與應用</b>	
Moderator : <u>Wen-Chun Hung, Ph.D.</u> (洪文俊特聘研究員兼主秘/國衛院癌症研究所) Distinguished Investigator, National Institute of Cancer Research, National Health Research Institutes	
09:40~10:05	<b>Organ/Tumor on Chip- reconstructing micro-environment in vitro for disease model and drug tests</b> <u>Cheng-Hsien Liu, Ph.D.</u> (劉承賢教授/清華大學動力機械工程學系) Professor, Department of Power Mechanical Engineering, National Tsing Hua University
10:05~10:40	<i>Coffee Break</i>
10:40~11:05	<b>Revolutionizing Drug Development: The Future of Organ-on-a-Chip Technology</b> <u>Guan-Yu Chen, Ph.D.</u> (陳冠宇教授兼副系主任/陽明交通大學生醫所/電機系) Associate Chairperson, Department of Electronics and Electrical Engineering Professor, Institute of Biomedical Engineering, National Yang Ming Chiao Tung University
11:05~11:30	<b>Biomedical big data and AI: current status &amp; future development</b> <u>Eric Y Chuang, ScD, EMBA.</u> (莊曜宇副總暨生醫所所長/工業技術研究院) General Director, Biomedical Technology and Device Research Laboratories, Industrial Technology Research Institute
11:30~12:00	<b>2025 Annual Meeting of the Members, Award Ceremony and Closing Remarks</b>
12:00~14:00	<i>Lunch</i>
14:00~	<i>Departure</i>