

2025-Dec-19 @ NYCU Bio-ICT Building Chun-geng Room

International Symposium of Big Data and AI in Bioinformatics

生物資訊國際交流會議 Japan(ScienceTokyo) × Taiwan



Location | 國立陽明交通大學博愛校區賢齊館 子萌堂春耕軒

AGENDA

Time	Topics	Speaker
08:50 - 09:05	Welcome Reception	
09:05 - 09:10	Opening Remarks / Group Photo	
09:10 - 10:00	Keynote Speech Challenges from Genomics to Biological Networks by Supercomputers	Dr. Satoru Miyano (宮野悟) Specially Appointed Professor Institute of Science Tokyo, Director of M&D Data Science Center, Japan
10:00 - 10:20	Coffee Break	
10:20 - 10:50	Big Data and AI Innovations for Next-Generation Precision Medicine	Dr. Tzong-Yi Lee (李宗夷) Professor & Director Institute of Bioinformatics and Systems Biology, National Yang Ming Chiao Tung University (NYCU)
10:50 - 11:20	Structural and Dynamic Impacts of Substrates and Inhibitors on Nucleic Acid-Binding Proteins	Dr. Yu-Yuan Hsiao (蕭育源) Professor, Associate Dean & Director Institute of Molecular Medicine and Bioengineering, National Yang Ming Chiao Tung University (NYCU)
11:20 - 11:50	RNA Regulation in Human Disease: From circRNA-driven Networks in Autism to Systems Pharmacology in Cancer	Dr. Te-Lun Mai (麥德倫) Assistant Professor (Yushan Young Scholar) Department of Life Science, National Taiwan University (NTU)
11:50 - 13:20	Lunch	
13:20 - 13:50	Transforming Clinical Insights: AI-Driven Biomedical Data Analysis	Dr. Tzu-Hao Chang (張資昊) Professor & Director Institute of Biomedical Informatics, Taipei Medical University (TMU)
13:50 - 14:20	Network-based Strategies for Precision Medicine: Deciphering Individual Disease Features from Omics Data	Dr. Chun-Yu Lin (林峻宇) Associate Professor Institute of Bioinformatics and Systems Biology, National Yang Ming Chiao Tung University (NYCU)
14:20 - 14:40	Coffee Break	
14:40 - 15:10	Mass Spectrometry-based Multiomic Analysis in Human Diseases	Dr. Yi-Ju Chen (陳誼如) Assistant Professor Department of Biological Science and Technology, National Yang Ming Chiao Tung University (NYCU)
15:10 - 15:40	Transforming Clinical Infection Management with AI-Based Diagnostics and Discovery	Dr. Chia-Ru Chung (鍾佳儒) Assistant Professor Department of Computer Science and Information Engineering, National Central University (NCU)
15:40 - 17:00	Panel Discussion	
17:00 - 17:10	Closing Remarks	
18: 00 -	Dinner Banquet	

Center for intelligent Drug Systems and Smart Bio-devices IDS2B (智慧型藥物與智能生物裝置研究中心)
Cancer and Immunology Research Center (腫瘤與免疫學研究中心)

Molecular Bioinformatics Center (生物資訊中心)