

2023 NHRI Research Day

March 21, 2023 (Tuesday)

Poster Presentations

venue: Hallway, B1 of Administrative Building

09:30 – 10:00 **Registration**

10:00 – 12:00 優秀壁報論文評選
Session I (odd numbers)

10:00 – 11:00 優秀研究助理壁報展示
(odd numbers)

11:00 – 12:00 優秀研究助理壁報展示
(even numbers)

12:00 – 13:00 **Lunch**

13:00 – 15:00 優秀壁報論文評選
Session II (even numbers)

13:00 – 15:30 優秀研究助理評選
(Oral Presentations)
Conference Room 3

15:00 – 15:10 **Break**

15:30 – 16:00 優秀研究助理評選委員會議
Conference Room 4

10:00 – 15:30 票選最佳壁報論文 **Best Poster Voting**

March 22, 2023 (Wednesday)

venue: Conference Room 3, B1 of Administrative Building

09:20 – 09:40 **Registration**

09:40 – 09:50 **Opening Remarks**
司徒惠康院長 Dr. Huey-Kang Sytwu, President of NHRI

09:50 – 10:00 **Award Presentation: 2023 NHRI Research Achievement Awards**

Outstanding Research Achievement Award
Dr. Chia-Hsien Hsu (許佳賢研究員)

Awardee for Junior Research Investigator
Dr. Po-Chin Huang (黃柏菁副研究員)
Dr. Yu-Hsuan Lin (林煜軒副研究員級主治醫師)

Speeches Given by Awardees

Chairperson: 劉俊揚處長 Dr. Jun-Yang Liou, Director of Department of Research Planning and Development

10:00 – 10:40 **Cells on a Chip: Microfluidic Technology in Cell Manipulation, Culture and Analysis**
許佳賢研究員 Dr. Chia-Hsien Hsu, Institute of Biomedical Engineering and Nanomedicine

- 10:40 – 11:10 **Protect Our Health, Protect Our Offspring-A Journey of Endocrine Disrupting Chemicals (EDCs)**
黃柏菁副研究員 Dr. Po-Chin Huang, National Institute of Environmental Health Sciences
- 11:10 – 11:40 **An In-depth Look at Work Hours and Workforce among Medical Staff: From the Individual Level to the Population Level**
林煜軒副研究員級主治醫師 Dr. Yu-Hsuan Lin, Institute of Population Health Sciences
- 11:40 – 12:30 **Poster Session/ Best Poster Voting**

Oral Presentations (10 min presentation + 3 min Q&A)

Chairperson: 劉俊揚處長 Dr. Jun-Yang Liou, Director of Department of Research Planning and Development

- 12:30 – 12:43 **Discovering a Transcriptomic Biomarker Signature That Reveals a Transcriptome Based Network and Predisposes High-risk Diabetic Patients to Diabetic Kidney Disease**
(112OP01)
周奕如 Yi-Ju Chou, Institute of Molecular and Genomic Medicine
- 12:43 – 12:56 **Self-recognition Dictating TCR Signal Strength of Antigen-specific CD8⁺ T Cells Modulates the Spectrum of T Cell Pathogenicity in Non-obese Diabetic Mice**
(112OP02)
何佳珞 Chia-Lo Ho, National Institute of Infectious Diseases and Vaccinology
- 12:56 – 13:09 **CHK2 Activation Contributes to the Development of Oxaliplatin Resistance in Colorectal Cancer**
(112OP03)
謝綺哲 Chi-Che Hsieh, National Institute of Cancer Research
- 13:09 – 13:22 **An Overview of New Psychoactive Substances (NPS) Analysis and Trends in Taiwan, 2008-2022**
(112OP04)
康凱翔 Kai-Hsiang Kang, Center for Neuropsychiatric Research
- 13:22 – 13:35 **Zika Virus Cleaves GSDMD to Disseminate Prognosticable and Controllable Oncolysis in a Human Glioblastoma Cell Model**
(112OP05)
高毓婷 Yu-Ting Kao, National Institute of Infectious Diseases and Vaccinology
- 13:35 – 13:48 **Developing and Promoting Smart Long-term Care and Health Care Integration Models in Taiwan**
(112OP06)
賴哲瑩 Yvonne Lai, Institute of Population Health Sciences
- 13:48 – 14:01 **Asymmetric Total Synthesis of Palhinine B and Palhinine C**
(112OP07)
潘塔瓦 Amit Pantawane, Institute of Biotechnology and Pharmaceutical Research
- 14:01 – 14:15 **Break**

- 14:15 – 14:28
(112OP08) **Mitochondrial Lon Interacts with ULK1-FUNDC1 at the ER-mitochondria Interface to Promote the Mitophagy under Hypoxia**
阿南斯 Ananth Ponneri Babuharisankar, National Institute of Cancer Research
- 14:28 – 14:41
(112OP09) **A Single Bacterium-isolation and Imaging Device for Motion-based Dynamic Phenotypic Antibiotic Drug Testing**
羅明心 Didem Rodoplu Solovchuk, Institute of Biomedical Engineering and Nanomedicine
- 14:41 – 14:54
(112OP10) **Vinculin Phosphorylation Impairs Vascular Endothelial Junctions Promoting Atherosclerosis Associated with Disturbed Flow**
施佑宗 Yu-Tsung Shih, Institute of Cellular and System Medicine
- 14:54 – 15:07
(112OP11) **Toll-like Receptor 9 Activation Induces Immune Responses and Phosphatidylserine Exposure in Tumor Resulting in a Cooperative Anti-tumor Effect with a Phosphatidylserine Targeting Drug**
曾仁志 Jen-Chih Tseng, Immunology Research Center
- 15:07 – 15:20
(112OP12) **Discovery of a Novel Antibody-drug Conjugate (ADC) for the Potential Treatment of Cancer Cells Expressing Human Neurotensin Receptor 1 (NTSR1)**
吳仁煌 Ren-Huang Wu, Institute of Biotechnology and Pharmaceutical Research
- 15:20 – 15:33
(112OP13) **Impacts of COVID-19's Restriction Measures on Personal Exposure to VOCs in a Heavy Traffic City in Taiwan**
顏昱娟 Yu-Chuan Yen, National Institute of Environmental Health Sciences
- 15:33 – 16:00 **Break/ Committee Meeting (Conference Room 4)**
- 16:00 ~ **Award Presentation: 2023 Paper Award, Poster Award, NHRI Research Assistant Award (Conference Room 3)**