

103 年度國家衛生研究院生物醫學學術研討會
暨何曼德院士紀念研討會議程

2014 Biomedical Research Symposium of National Health Research Institutes
and Dr. Monto Ho Memorial Symposium

July 7, 2014 (Monday)

09:00 – 09:30 **Registration**

09:30 – **Opening Remarks (Venue: Auditorium)**

Dr. Hsing-Jien Kung

National Health Research Institutes, Taiwan

龔行健院長 國家衛生研究院

Dr. Monto Ho Memorial Symposium (Venue: Auditorium)

09:45 – 10:05 **Lifetime Achievements Remembrance**

Dr. Shu Chien 錢煦院士

Departments of Bioengineering and Medicine, University of California, San Diego,
U.S.A.

Scientific Lectures

10:05 –

Chairpersons

Dr. Cheng-Wen Wu

Institute of Biomedical Sciences, Academia Sinica, Taiwan

吳成文院士 中央研究院生物醫學科學研究所

Dr. Yee-Chun Chen

National Institute of Infectious Diseases and Vaccinology

National Health Research Institutes, Taiwan

陳宜君研究員 國家衛生研究院感染症與疫苗研究所

10:15 – 10:50 **Vaccination Strategies for Prevention of Candida and Staphylococcal Infections**

Dr. John E. Edwards

Division of Infectious Diseases, Harbor/UCLA Medical Center, David Geffen School
of Medicine at UCLA, U.S.A.

10:50 – 11:00 **Coffee Break**

11:00 – 11:35 **Modulation of the Host Immune Response to Treat Bacterial Infections**

Dr. Ferric C. Fang

Harborview Medical Center Clinical Microbiology Laboratory, University of
Washington School of Medicine, U.S.A.

11:35 – 11:55 **Evolution of Clinical Significance of ESBL Production in *Enterobacteriaceae***

Dr. Wen-Chien Ko

Department of Internal Medicine, National Cheng Kung University Hospital, Taiwan

柯文謙教授 成大醫院感染病科

11:55 – 12:15 **Household Transmission, Risk factors and Outcome of EV71 Infections**

Dr. Luan-Yin Chang

Department of Pediatrics, National Taiwan University Hospital, Taiwan

張鑾英教授 國立臺灣大學附設醫院小兒部

12:15 – 12:35 **Taiwan Surveillance of Antimicrobial Resistance (TSAR): A Legacy of Dr. Monto Ho**
Dr. Tsai-Ling Yang Lauderdale
National Institute of Infectious Diseases and Vaccinology, National Health Research Institutes, Taiwan
楊采菱研究員 國家衛生研究院感染症與疫苗研究所

12:35 – 13:20 Lunch

13:20 – 14:10 Poster Session I – odd numbers

Symposium Session I (Venue: 2 Conference Rooms)

Symposium Session I (A): Molecular Genetics and Medicine (Venue: Auditorium)

Chairpersons *Dr. Tso-Pang Yao* 姚佐邦教授
Department of Pharmacology and Cancer Biology, Duke University School of Medicine, U.S.A.
Dr. Lu-Hai Wang
Institute of Molecular and Genomic Medicine, National Health Research Institutes, Taiwan
王陸海院士 國家衛生研究院分子與基因醫學研究所

14:10 – 14:35 **Functional Genomics on Human Hepatocellular Carcinogenesis**
Dr. Sen-Yung Hsieh
School of Medicine, College of Medicine, Chang Gung University, Taiwan
謝森永教授 長庚大學醫學院醫學系

14:35 – 15:00 **Poly(ADP-ribose) Polymerase 1 Regulates Nuclear Reprogramming and Promotes iPSC Generation without c-Myc**
Dr. Shih-Hwa Chiou
Department & Institute of Pharmacology, College of Medicine, National Yang-Ming University, Taiwan
邱士華教授 國立陽明大學醫學院藥理學科暨研究所

15:00 – 15:25 **Control of ROS Homeostasis and Antioxidation by AP-1 Repressor Jun Dimerization protein 2**
Dr. Kazunari K. Yokoyama
Graduate Institute of Medicine, College of Medicine, Kaohsiung Medical University, Taiwan
橫山一成教授 高雄醫學大學醫學院醫學研究所

15:25 – 15:50 **A Chromatin-regulated Death Circuit in Epithelial Tissues and Tumors**
Dr. Kelvin Kun-Chih Tsai
National Institute of Cancer Research, National Health Research Institutes, Taiwan
蔡坤志副研究員級主治醫師 國家衛生研究院癌症研究所

Symposium Session I (B): Neural Science (Venue: Conference Room 3)

Chairpersons *Dr. Ing-Kang Ho*
Center for Drug Abuse and Addiction, China Medical University Hospital, Taiwan
何英剛院士 中國醫藥大學附設醫院成癮醫學研究中心
Dr. Yun Wang
Center for Neuropsychiatric Research, National Health Research Institutes, Taiwan
王昀特聘研究員 國家衛生研究院神經及精神醫學研究中心

- 14:10 – 14:35 **Molecular Targeting Brain-derived Neurotrophic Factor for the Treatment of Psychiatric and Neurodegenerative Diseases**
Dr. Po-Wu Gean
 Department & Institute of Pharmacology, College of Medicine, National Cheng Kung University, Taiwan
 簡伯武教授 國立成功大學醫學院藥理學科暨研究所
- 14:35 – 15:00 **Shunting Inhibition Controls the Gateway of the Hippocampus**
Dr. Cheng-Chang Lien
 Institute of Neuroscience, School of Life Sciences, National Yang-Ming University, Taiwan
 連正章副教授 國立陽明大學生命科學院神經科學研究所
- 15:00 – 15:25 **Neural Plasticity and Disease Characterization in Patients Revealed by Multimodal Imaging**
Dr. Fan-Pei Gloria Yang
 Department of Foreign Languages and Literature, College of Humanities and Social Sciences, National Tsing Hua University, Taiwan
 楊梵宇副教授 國立清華大學人文社會學院外國語文學系
- 15:25 – 15:50 **Pharmacogenomics to System Pharmacology-Studies from a Methadone Maintenance Cohort**
Dr. Yu-Li Liu
 Center for Neuropsychiatric Research, National Health Research Institutes, Taiwan
 劉玉麗副研究員 國家衛生研究院神經及精神醫學研究中心
- 15:50 – 16:20 Coffee Break

Symposium Session II (Venue: 2 Conference Rooms)

Symposium Session II (A): Biomedical Science (Venue: Auditorium)

- Chairpersons ***Dr. Edward T.H. Yeh*** 葉篤行院士
 Department of Cardiology, The University of Texas M.D. Anderson Cancer Center, U.S.A.
- Dr. Tse-Hua Tan***
 Immunology Research Center, National Health Research Institutes, Taiwan
 譚澤華特聘研究員 國家衛生研究院免疫醫學研究中心
- 16:20 – 16:45 **Recent Progress on the Biochemical and Cellular Functions of RecQ4 Helicase: An Enzyme at the Interface of Replication and Repair**
Dr. Tao-Shih Hsieh
 Institute of Cellular and Organismic Biology, Academia Sinica, Taiwan
 謝道時特聘研究員 中央研究院細胞與個體生物學研究所
- 16:45 – 17:10 **Regulation of Dendritic Cell Development at Steady-state and Inflammation**
Dr. Chien-Kuo Lee
 Graduate Institute of Immunology, College of Medicine, National Taiwan University, Taiwan
 李建國副教授 國立臺灣大學醫學院免疫學研究所

- 17:10 – 17:35 **The Functional Role of PAI-2 in NLRP3 Inflammasome Activation and Endotoxin-Induced Sepsis**
Dr. Li-Chung Hsu
 Institute of Molecular Medicine, College of Medicine, National Taiwan University, Taiwan
 徐立中助理教授 國立臺灣大學醫學院分子醫學研究所
- 17:35 – 18:00 **Anti-ENO1 Antibody: A Potential Prognosis Biomarker and Therapeutic Agent in Lung Cancer**
Dr. Ko-Jiunn Liu
 National Institute of Cancer Research, National Health Research Institutes, Taiwan
 劉柯俊副研究員 國家衛生研究院癌症研究所

Symposium Session II (B): Population Health Research (Venue: Conference Room 3)

- Chairpersons **Dr. Kiang Liu** 劉江教授
 Department of Preventive Medicine, Northwestern University Medical School, U.S.A.
Dr. Chih-Cheng Hsu
 Institute of Population Health Sciences, Division of Gerontology Research, National Health Research Institutes, Taiwan
 許志成研究員 國家衛生研究院群體健康科學研究所老年醫學研究組
- 16:20 – 16:45 **Melamine and Kidney Diseases**
Dr. Ming-Tsang Wu
 Department of Public Health, College of Health Sciences, Kaohsiung Medical University, Taiwan
 吳明蒼教授 高雄醫學大學健康科學院公共衛生學系
- 16:45 – 17:10 **The Use of Mathematical Models to Evaluate Tuberculosis Control Interventions**
Dr. Hsien-Ho Lin
 Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University, Taiwan
 林先和助理教授 國立臺灣大學公共衛生學院流行病學與預防醫學研究所
- 17:10 – 17:35 **Search for Disease-associated Genetic Variants after GWAS: Fine-mapping and Polygenic Profile Scoring for Schizophrenia Characterized by Early Onset**
Dr. Wei J. Chen
 Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University, Taiwan
 陳為堅教授 國立臺灣大學公共衛生學院流行病學研究所
- 17:35 – 18:00 **Lung Cancer Epidemiology and Genetics: Etiology and Pharmacogenomics Studies**
Dr. Chao Agnes Hsiung
 Institute of Population Health Sciences, National Health Research Institutes, Taiwan
 熊昭特聘研究員 國家衛生研究院群體健康科學研究所

Poster Discussion : Group D - Medical Engineering (Venue: Conference Room 4)

- 16:20 – 18:00 Chairperson
Dr. Savio L-Y. Woo 胡流源院士
 Department of Bioengineering, University of Pittsburgh, Center for Bioengineering, U.S.A.
- 18:30 – Welcome Dinner

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2014 Biomedical Research Symposium of National Health Research Institutes
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July 8, 2014 (Tuesday)

Plenary Lecture (Venue: Auditorium)

- Chairperson **Dr. Hsing-Jien Kung**
National Health Research Institutes, Taiwan
龔行健院長 國家衛生研究院
- 09:00 – 09:30 **The Roadmap for Taiwan's Medical Information Applied Research**
Dr. San-Cheng Chang
Ministry of Science and Technology, Executive Yuan, Taiwan
張善政部長 行政院科技部

Symposium Session III (Venue: 2 Conference Rooms)

Symposium Session III (A): Cancer Research (Venue: Auditorium)

- Chairpersons **Dr. Tzyy-Choou Wu** 吳子丑教授
Department of Pathology, The Johns Hopkins Medical Institutions, U.S.A.
- Dr. Wen-Chun Hung**
National Institute of Cancer Research, National Health Research Institutes, Taiwan
洪文俊研究員 國家衛生研究院癌症研究所
- 09:45 – 10:10 **Convergence of the Proteasome and Autophagy through Free Ubiquitin Chains**
Dr. Tso-Pang Yao 姚佐邦教授
Department of Pharmacology and Cancer Biology, Duke University School of
Medicine, U.S.A.
- 10:10 – 10:35 **The Mechanistic Insight of Epstein-Barr Virus Episome Mediated Latency-associated Events in Human B Lymphocytes**
Dr. Chih-Wen Peng
Department of Life Sciences, School of Life Sciences, Tzu Chi University, Taiwan
彭致文副教授 慈濟學校財團法人慈濟大學生命科學院生命科學系
- 10:35 – 11:00 **Function and Etiology of the GTPase hRAB37 in Exocytosis and Motility Control of Lung Tumorigenesis**
Dr. Yi-Ching Wang
Department of Pharmacology and Institute of Basic Medical Sciences, College of
Medicine, National Cheng Kung University
王憶卿特聘教授 國立成功大學醫學院藥理所暨基醫所
- 11:00 – 11:25 **Patient-Derived Xenografts (PDX) as Powerful Tools for New Drug Discovery and Development of Anticancer Agents**
Dr. Chuan Shih
Institute of Biotechnology and Pharmaceutical Research, National Health Research
Institutes, Taiwan
石全特聘研究員 國家衛生研究院生技與藥物研究所

Symposium Session III (B): Medical Engineering (Venue: Conference Room 3)

- Chairpersons *Dr. Michael R. T. Yen* 顏榮次教授
Department of Biomedical Engineering, University of Memphis, U.S.A.
- Dr. Feng-Huei Lin*
Institute of Biomedical Engineering, National Taiwan University, Taiwan
林峯輝教授 國立台灣大學醫學工程研究所
- 09:45 – 10:10 **Multifaceted Protections of MicroRNA-29a Against Bone and Joint Disorders**
Dr. Feng-Sheng Wang
Department of Medical Research, Kaohsiung Chang Gung Memorial Hospital, Chang Gung Medical Foundation, Taiwan
王逢興研究員 長庚醫療財團法人高雄長庚紀念醫院醫學研究部
- 10:10 – 10:35 **Control Gaseous Microenvironments *in vitro*: Microfluidic Cell Culture**
Dr. Yi-Chung Tung
Research Center for Applied Sciences, Academia Sinica, Taiwan
董奕鍾副研究員 中央研究院應用科學研究中心
- 10:35 – 11:00 **Single-Molecule Kinetics of DNA Polymerase**
Dr. Guewha Steven Huang
Department of Materials Science and Engineering, College of Engineering, National Chiao Tung University, Taiwan
黃國華教授 國立交通大學工學院材料科學與工程學系所
- 11:00 – 11:25 **Beyond Chemical Inertness: Caged Noble-metal Nonodots/Nanoclusters Exerting Multiple Functions in Nanomedicine**
Dr. Shu-Yi Lin
Institute of Biomedical Engineering and Nanomedicine, National Health Research Institutes, Taiwan
林淑宜副研究員 國家衛生研究院生醫工程與奈米醫學研究所
- 11:25 – 12:15 Poster Session II – even numbers
- 12:15 – 13:00 Lunch

Poster Discussion : (Venue: 5 Conference Rooms)

- 13:00 – 15:30 Chairpersons
- Group A - Biomedical Science (Venue: Conference Room 2)
Dr. Edward T.H. Yeh 葉篤行院士
Department of Cardiology, The University of Texas M.D. Anderson Cancer Center, U.S.A.
- Group B - Neuroscience (Venue: Conference Room 1)
Dr. Horace H. Loh 羅浩院士
Department of Pharmacology, University of Minnesota, U.S.A.
- Group C - Cancer Research (Venue: Conference Room 3)
Dr. Tso-Pang Yao 姚佐邦教授
Department of Pharmacology and Cancer Biology, Duke University School of Medicine, U.S.A.

Group D - Medical Engineering (Venue: Conference Room 4)

Dr. Savio L-Y. Woo 胡流源院士

Department of Bioengineering, University of Pittsburgh, Center for Bioengineering,
U.S.A.

Group E - Population Health Research (Venue: Conference Room 6)

Dr. Kiang Liu 劉江教授

Department of Preventive Medicine, Northwestern University Medical School,
U.S.A.

15:30

Adjourn