

101 年度國家衛生研究院生物醫學學術研討會
2012 Biomedical Research Symposium of National Health Research Institutes

August 13, 2012 (Monday)

09:30 – 10:00 **Registration**

10:00 **Opening Remarks (Venue: Auditorium)**

Dr. Kenneth K. Wu

National Health Research Institutes, Taiwan

伍焜玉院長 國家衛生研究院

Plenary Lecture (Venue: Auditorium)

Chairperson

Dr. Savio L-Y. Woo 胡流源院士

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

10:10 – 11:00 **Clinical Applications of the Tribology of Tendon Gliding**

Dr. Kai-Nan An 安介南教授

Orthopedic Biomechanics Laboratory, Mayo Clinic, U.S.A.

11:00 – 12:00 Poster Session I – odd numbers

12:00 – 13:00 Lunch

Symposium Session I (Venue: 2 Conference Rooms)

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

Chairpersons

Dr. Ching-Shih Chen 陳慶士教授

Division of Medicinal Chemistry, College of Pharmacy and Comprehensive Cancer Center, The Ohio State University, U.S.A.

Dr. Shih-Feng Tsai

Institute of Molecular and Genomic Medicine, National Health Research Institutes, Taiwan

蔡世峯特聘研究員 國家衛生研究院分子與基因醫學研究所

13:00 – 13:30 **Molecular Genetics of Hearing Impairment and Its Clinical Applications**

Dr. Chuan-Jen Hsu

Department of Otolaryngology, National Taiwan University Hospital, Taiwan

許權振教授 國立臺灣大學附設醫院耳鼻喉部

13:30 – 14:00 **Innate immunity communication between organs: an example from *Drosophila***

Dr. Jyh-Lyh Juang

Institute of Molecular and Genomic Medicine, National Health Research Institutes, Taiwan

莊志立研究員 國家衛生研究院分子與基因醫學研究所

14:00 – 14:30 **Discovery and Verification of Body Fluid-Accessible Cancer Biomarkers by Targeted Mass Spectrometry**

Dr. Jau-Song Yu

Department of Cell and Molecular Biology, College of Medicine, Chang Gung University, Taiwan

余兆松教授 長庚大學分子生物學科

14:30 – 15:00 **Hepatitis B Virus X-antigen, Aflatoxin B and p53 Mutant Induced Hepatocellular Carcinoma via Up-Regulation of src, Activation of ER Stress and AKT/PI3K Pathway in Zebrafish**
Dr. Chiou-Hwa Yuh
Institute of Molecular and Genomic Medicine, National Health Research Institutes, Taiwan
喻秋華副研究員 國家衛生研究院分子與基因醫學研究所

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

Chairpersons *Dr. Li-Na Wei* 魏麗娜教授
Department of Pharmacology, Medical School, University of Minnesota, U.S.A.
Dr. Yu-Sheng Chao
Institute of Biotechnology and Pharmaceutical Research, National Health Research Institutes, Taiwan
趙宇生特聘研究員 國家衛生研究院生技與藥物研究所

13:00 – 13:30 **A Critical Role for PTPN5 in Determining Individual Susceptibility to Develop Stress-related Cognitive and Morphological Changes**
Dr. Kuei-Sen Hsu
Department of Pharmacology, College of Medicine, National Cheng Kung University, Taiwan
許桂森教授 國立成功大學藥理學科暨研究所

13:30 – 14:00 **The Electrophysiological Perspectives on the Treatment of Parkinson's Disease**
Dr. Chung-Chin Kuo
Graduate Institute of Physiology, College of Medicine, National Taiwan University, Taiwan
郭鐘金教授 國立臺灣大學生理學研究所

14:00 – 14:30 **Mind-Body Interface: Research of Omega-3 Fatty Acids and Inflammation in Depression**
Dr. Kuan-Pin Su
Graduate Institute of Neural and Cognitive Sciences, China Medical University & Hospital, Taiwan
蘇冠賓副教授 中國醫藥大學神經科學及認知科學研究所

14:30 – 15:00 **Peripheral vs Central CB1 Antagonists in Metabolic Regulation and Treatment of Metabolic Disorders**
Dr. Ming-Shiu Hung
Institute of Biotechnology and Pharmaceutical Research, National Health Research Institutes, Taiwan
洪明秀副研究員 國家衛生研究院生技與藥物研究所

15:00 – 15:30 Coffee Break

Symposium Session II (Venue: 2 Conference Rooms)

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

Chairpersons *Dr. Yun Yen*
Taipei Medical University, Taiwan
閻雲教授 台北醫學大學

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

15:30 – 16:00 **Molecular Carcinogenesis and Prevention of Liver Cancer - A Study From Children to Adults**

Dr. Mei-Hwei Chang

Hepatitis Research Center, National Taiwan University Hospital, Taiwan
張美惠教授 國立臺灣大學附設醫院小兒科

16:00 – 16:30 **Tumor Suppressor WWOX is a Molecular Sensor in Cell/Cell Recognition**

Dr. Nan-Shan Chang

Institute of Molecular Medicine, College of Medicine, National Cheng Kung University, Taiwan

張南山教授 國立成功大學分子醫學研究所

16:30 – 17:00 **Mechanism for Twist1-derived Migrating Cancer Stem Cells**

Dr. Muh-Hwa Yang

Institute of Clinical Medicine, National Yang-Ming University, Taiwan

楊慕華副教授 國立陽明大學臨床醫學研究所

17:00 – 17:30 **Activation of Nrf2 Signaling Pathway in Acquired Chemoresistance of Cancer**

Dr. Ching-Chuan Kuo

National Institute of Cancer Research, National Health Research Institutes, Taiwan
郭靜娟副研究員 國家衛生研究院癌症研究所

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

Chairpersons

Dr. K. Kirk Shung 熊克平教授

Department of Biomedical Engineering, University of Southern California, U.S A.

Dr. Chung-Shi Yang

Center for Nanomedicine Research, National Health Research Institutes, Taiwan

楊重熙特聘研究員 國家衛生研究院奈米醫學研究中心

15:30 – 16:00 **Harmonics-based *in vivo* Optical Virtual Biopsy**

Dr. Chi-Kuang Sun

Molecular Imaging Center, National Taiwan University, Taiwan

孫啟光教授 國立臺灣大學分子生醫影像研究中心

16:00 – 16:30 **Injectable Cell Delivery Systems for Myocardial Tissue Engineering**

Dr. Hsing-Wen Sung

Department of Chemical Engineering, National Tsing Hua University, Taiwan

宋信文教授 國立清華大學化學工程學系

16:30 – 17:00 **Biomechanical Aspects of Musculoskeletal Disorders of Upper Extremity**

Dr. Fong-Chin Su

Institute of Biomedical Engineering, National Cheng Kung University, Taiwan

蘇芳慶特聘教授 國立成功大學醫學工程研究所

17:00 – 17:30 **Development of an MR-HIFU System**

Dr. Hsu Chang

Division of Medical Engineering Research, National Health Research Institutes, Taiwan

張恕研究員 國家衛生研究院醫學工程研究組

18:00 – Welcome Dinner

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Plenary Lecture (Venue: Auditorium)

Chairperson **Dr. Chien Ho** 何潛院士
Department of Biological Sciences, Carnegie Mellon University, U.S.A.

09:00 – 09:50 **Why and How to Explore Traditional Chinese Medicine for Developing Future Medicine**

Dr. Yung-Chi Cheng 鄭永齊院士
Department of Pharmacology, Yale University, U.S.A.

Symposium Session III (Venue: 2 Conference Rooms)

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

Chairpersons **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

Dr. Ing-Ming Chiu
Institute of Cellular and System Medicine, National Health Research Institutes, Taiwan
邱英明特聘研究員 國家衛生細胞及系統醫學研究所

10:00 – 10:30 **Function of the IL-15 System in Lymphocyte Development**

Dr. Nan-Shih Liao
Institute of Molecular Biology, Academia Sinica, Taiwan
廖南詩副研究員 中央研究院分子生物研究所

10:30 – 11:00 **Hepatitis B Virus and MicroRNAs**

Dr. Chia-Ho Shih
Institute of Biomedical Sciences, Academia Sinica, Taiwan
施嘉和特聘研究員 中央研究院生物醫學科學研究所

11:00 – 11:30 **Regulation of Cysteine-rich Protein 2 and Its Role in Vascular Disease**

Dr. Shaw-Fang Yet
Institute of Cellular and System Medicine, National Health Research Institutes, Taiwan
林秀芳研究員 國家衛生研究院細胞及系統醫學研究所

11:30 – 12:00 **Reversal of Laminopathies: the Curious Case of Sun1**

Dr. Ya-Hui Chi
Institute of Cellular and System Medicine, National Health Research Institutes, Taiwan
紀雅惠助研究員 國家衛生研究院細胞及系統醫學研究所

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

Chairpersons **Dr. Kiang Liu** 劉江教授
Department of Preventive Medicine, Feinberg School of Medicine, Northwestern University, U.S.A.

Dr. Wen-Harn Pan

Division of Health Services and Preventive Medicine, Institute of Population Health Sciences, National Health Research Institutes, Taiwan

潘文涵研究員 國家衛生研究院群體健康科學研究所醫療保健研究組

10:00 – 10:30 **Care Models for Older Persons with Hip Fracture: Randomized Clinical Trials**

Dr. Yea-Ing L. Shyu

Graduate Institute of Nursing, Chang Gung University, Taiwan

徐亞瑛教授 長庚大學護理學系

10:30 – 11:00 **Early Intervention for Preterm Infants**

Dr. Suh-Fang Jeng

School of Physical Therapy, National Taiwan University, Taiwan

鄭素芳教授 國立臺灣大學物理治療學系暨研究所

11:00 – 11:30 **Achieving a Good Death for Terminally Ill Cancer Patients: Facilitating End-of-life Care Decisions that Honor Patients' and Family Caregivers' Wishes**

Dr. Siew-Tzuh Tang

School of Nursing, Chang Gung University, Taiwan

唐秀治教授 長庚大學護理學系

11:30 – 12:00 **The Biological Role of 5' untranslated Regions – An Evolutionary Perspective**

Dr. Feng-Chi Chen

Division of Biostatistics and Bioinformatics, Institute of Population Health Sciences, National Health Research Institutes, Taiwan

陳豐奇副研究員 國家衛生研究院群體健康科學研究所生物統計與生物資訊研究組

12:00 – 13:00 Lunch

13:00 – 14:00 Poster Session II – even numbers

14:00 – 16:30 Poster Discussion (Venue: 5 Conference Rooms)

Group A (Biomedical Science) : Dr. Edward T.H. Yeh 葉篤行院士
(Venue: Conference Room 2)

Group B (Neuroscience) : Dr. Horace H. Loh 羅浩院士
(Venue: Conference Room 1)

Group C (Cancer Research) : Dr. Wen-Hwa Lee 李文華院士
(Venue: Conference Room 3)

Group D (Medical Engineering) : Dr. Savio L-Y. Woo 胡流源院士
(Venue: Conference Room 4)

Group E (Population Health Research) : Dr. Kiang Liu 劉江教授
(Venue: Conference Room 6)

16:40 Adjourn