

105 年度國家衛生研究院生物醫學學術研討會
2016 Biomedical Research Symposium of National Health Research Institutes

August 15, 2016 (Monday)

09:30 – 10:00 **Registration**

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

Dr. Hsin-Su Yu

National Health Research Institutes, Taiwan

余幸司代理院長 國家衛生研究院

Plenary Lecture (Venue: Auditorium)

Chairperson *Dr. Savio L-Y. Woo* 胡流源院士
Musculoskeletal Research Center, Department of Bioengineering, University of Pittsburgh, U.S.A.

10:10 – 10:50 **Ultrasound: Past, Present and Future**

Dr. K. Kirk Shung 熊克平教授

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

Workshop : From Research Proposal to Peer-review (Venue: Auditorium)

中華民國心臟學會協辦

Chairpersons *Dr. Ronglih Liao* 廖容儷教授
Department of Medicine, Brigham and Woman's Hospital, Harvard Medical School, U.S.A.

Dr. Pao-Hsien Chu 褚柏顯教授

Department of Cardiology, Chang Gung Memorial Hospital, Taiwan

褚柏顯教授 林口長庚醫院心臟內科

10:50 – 10:55 **Introduction**

Dr. Shu Chien 錢煦院士

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

10:55 – 11:20 **Path Towards a Successful Research Proposal**

Dr. Ronglih Liao 廖容儷教授

Department of Medicine, Brigham and Woman's Hospital, Harvard Medical School, U.S.A.

11:20 – 11:45 **Demystify Peer-Review Process in Science**

Dr. Yibin Wang 王義斌教授

Department of Anesthesiology, University of California at Los Angeles, U.S.A.

11:45 – 12:10 **How to Conduct Clinical Research**

Dr. Pei-Jer Chen

Graduate Institute of Clinical Medicine, College of Medicine, National Taiwan University, Taiwan

陳培哲院士 國立臺灣大學醫學院臨床醫學研究所

12:10 – 12:40 **Discussion**

12:40 – 13:30 Poster Session I – odd numbers

12:40 – 13:30 Lunch

Symposium Session I (Venue: 2 Conference Rooms)

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

- Chairpersons *Dr. Tzyy-Choou (TC) Wu* 吳子丑院士
Department of Pathology, The Johns Hopkins Medical Institutions, U.S.A.
- Dr. Tze-Sing Huang*
National Institute of Cancer Research, National Health Research Institutes, Taiwan
黃智興研究員 國家衛生研究院癌症研究所
- 13:30 – 14:00 **WDR4-mediated PML Ubiquitination Regulates Tumor Microenvironment to Promote Lung Cancer Progression**
- Dr. Ruey-Hwa Chen*
Institute of Biological Chemistry, Academia Sinica, Taiwan
陳瑞華特聘研究員 中央研究院生物化學研究所
- 14:00 – 14:30 **PP2A and SMYD3 Regulate Cell Cycle Progression**
- Dr. Shu-Chun Teng*
Graduate Institute of Microbiology, College of Medicine, National Taiwan University, Taiwan
鄧述諄教授 國立臺灣大學醫學院微生物學科暨研究所
- 14:30 – 15:00 **Dysregulation of Membrane-anchored Serine Protease TMPRSS2 in Prostate Cancer Progression and Metastasis**
- Dr. Ming-Shyue Lee*
Graduate Institute of Biochemistry and Molecular Biology, College of Medicine, National Taiwan University, Taiwan
李明學副教授 國立臺灣大學醫學院生物化學暨分子生物學研究所
- 15:00 – 15:30 **Macrophage-Associated Tissue Microenvironment Reprogramming: Extracellular HSP90 α and TCF12 Are Important Mediators for Expression of Stemness Genes and Development of Pancreatic Ductal Adenocarcinoma**
- Dr. Tze-Sing Huang*
National Institute of Cancer Research, National Health Research Institutes, Taiwan
黃智興研究員 國家衛生研究院癌症研究所

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

- Chairpersons *Dr. Savio L-Y. Woo* 胡流源院士
Musculoskeletal Research Center, Department of Bioengineering, University of Pittsburgh, U.S.A.
- Dr. Feng-Huei Lin*
Institute of Biomedical Engineering and Nanomedicine, National Health Research Institutes, Taiwan
林峯輝特聘研究員 國家衛生研究院生醫工程與奈米醫學研究所
- 13:30 – 14:00 **Spatial-Spectral Optical Holographic Microscopy for Tissue Imaging**
- Dr. Yuan Luo*
Institute of Medical Device and Imaging, College of Medicine, National Taiwan University, Taiwan
駱遠副教授 國立臺灣大學醫學院醫療器材與醫學影像研究所

- 14:00 – 14:30 **On the Use of Collagen Gels or Decellularized Arteries in the Preparation of Tissue Engineered Vascular Grafts**
Dr. Jin-Jia Hu
 Department of BioMedical Engineering, College of Engineering, National Cheng Kung University, Taiwan
 胡晉嘉副教授 國立成功大學工學院生物醫學工程學系
- 14:30 – 15:00 **Aging Effects on Multi-joint Coordination in Upright Postural Control**
Dr. Wei-Li Hsu
 School and Graduate Institute of Physical Therapy, College of Medicine, National Taiwan University, Taiwan
 徐瑋勵副教授 國立臺灣大學醫學院物理治療學系暨研究所
- 15:00 – 15:30 **Discerning Rare Disease Biomarkers by Micro- and Nanotechnologies**
Dr. Jeff Tza-Huei Wang 王澤輝教授
 Depts. of Mechanical Engineering & Biomedical Engineering, Sidney Kimmel Comprehensive Cancer Center, Institute for NanoBioTechnology, Johns Hopkins University U.S.A.
- 15:30 – 16:00 Coffee Break

Symposium Session II (Venue: 2 Conference Rooms)

Symposium Session II (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, 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
- 16:00 – 16:30 **SUMO and Ubiquitin Modifications of Epstein-Barr Virus Lytic Proteins**
Dr. Li-Kwan Chang
 Department of Biochemical Science and Technology, College of Life Science, National Taiwan University, Taiwan
 張麗冠教授 國立臺灣大學生命科學院生化科技學系
- 16:30 – 17:00 **Epigenetic and Post-translational Regulation of Hypoxia-Induced Gene Transcription**
Dr. Kou-Juey Wu
 Research Center for Tumor Medical Science, Institute of Biomedical Sciences, College of Medicine, China Medical University, Taiwan
 吳國瑞教授 中國醫藥大學醫學院生物醫學研究所腫瘤醫學研究中心
- 17:00 – 17:30 **Translational Genomics of Asthma: from Phenotype Identification to Personalized Treatment**
Dr. Yung-Ling Lee
 Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University, Taiwan
 李永凌副教授 國立臺灣大學公共衛生學院流行病學與預防醫學研究所

17:30 – 18:00 **Overexpression of Ribose-5-Phosphate Isomerase A Promotes Colorectal Cancer Formation via β -Catenin Stabilization and Activation**
Dr. Chiou-Hwa Yuh
 Institute of Molecular and Genomic Medicine, National Health Research Institutes, Taiwan
 喻秋華研究員 國家衛生研究院分子與基因醫學研究所

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

Chairpersons **Dr. De-Maw Chuang** 莊德茂院士
 National Institute of Mental Health, National Institutes of Health, U.S A.

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

16:00 – 16:30 **Mechanisms of Impairment of Brain Stem Cardiovascular Regulation in Methamphetamine Intoxication**
Dr. Alice Y.W. Chang
 Department of Physiology, College of Medicine, National Cheng Kung University, Taiwan
 張雅雯教授 國立成功大學醫學院生理學研究所

16:30 – 17:00 **Longevity Control by the *C. elegans* Thermosensory Circuit**
Dr. Chun-Liang Pan
 Institute of Molecular Medicine, College of Medicine, National Taiwan University, Taiwan
 潘俊良副教授 國立臺灣大學醫學院分子醫學研究所

17:00 – 17:30 **Exploring the Functional Role of Non Coding RNA during Motor Neuron Generation and Degeneration**
Dr. Jun-An Chen
 Institute of Molecular Biology, Academia Sinica, Taiwan
 陳俊安助研究員 中央研究院分子生物研究所

17:30 – 18:00 **PKC delta and Lipocalin-2 in Stroke-reperfusion Injury**
Dr. Wen-Hai Chou
 Center for Neuropsychiatric Research, National Health Research Institutes, Taiwan
 周文海助研究員 國家衛生研究院神經及精神醫學研究中心

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

16:00 – 18:00 Chairperson
Dr. Savio L-Y. Woo 胡流源院士
 Musculoskeletal Research Center, Department of Bioengineering, University of Pittsburgh, U.S.A.

18:30 – Welcome Dinner

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August 16, 2016 (Tuesday)

Plenary Lecture (Venue: Auditorium)

- Chairperson **Dr. Horace H. Loh** 羅浩院士
Department of Pharmacology, University of Minnesota, U.S.A.
- 09:00 – 09:50 **Preclinical Studies of FUS-induced BBB opening for Brain Tumor Treatment**
Dr. Kuo-Chen Wei
School of Medicine, College of Medicine, Chang Gung University, Taiwan
魏國珍助理教授 長庚大學醫學院醫學系
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Symposium Session III (Venue: 2 Conference Rooms)

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

- Chairpersons **Dr. Reen Wu** 吳忍教授
Center for Comparative Respiratory Biology and Medicine, University of California at Davis, U.S.A.
- 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
- 10:00 – 10:30 **NRIP, a Newly Identified Z-disc Protein, Facilitates Muscle Strength and Motor Neuron Survival through Calmodulin Signaling**
Dr. Show-Li Chen
Graduate Institute of Microbiology, College of Medicine, National Taiwan University, Taiwan
陳小梨特聘教授 國立臺灣大學醫學院微生物學科暨研究所
- 10:30 – 11:00 **Translational Control in Metabolism**
Dr. Yi-Shuan Huang
Institute of Biomedical Sciences, Academia Sinica, Taiwan
黃怡萱副研究員 中央研究院生物醫學科學研究所
- 11:00 – 11:30 **Error Messages or Biological Codes? – Studying the Functional Significance of the RNA Editome**
Dr. Bertrand Chin-Ming Tan
Department of Biomedical Sciences, College of Medicine, Chang Gung University, Taiwan
譚賢明教授 長庚大學醫學院生物醫學系
- 11:30 – 12:00 **Kinases and Phosphatases in T Cell-mediated Diseases**
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

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

- Chairpersons **Dr. Tun-Hou Lee** 李敦厚教授
Department of Immunology and Infectious Diseases, Harvard TH Chan School of Public Health, U.S.A.
- Dr. Yue-Liang Guo**
National Institute of Environmental Health Sciences, National Health Research Institutes, Taiwan
郭育良特聘研究員 國家衛生研究院國家環境醫學研究所
- 10:00 – 10:30 **World Trade Center Disaster – Then and Now**
Dr. Lung-Chi Chen 陳隆紀教授
Department of Environmental Medicine, New York University School of Medicine U.S.A.
- 10:30 – 11:00 **Occurrence and the Fate of Chemotherapeutic and Controlled Drugs in the Aquatic Environments**
Dr. Angela Yu-Chen Lin
Graduate Institute of Environmental Engineering, College of Engineering, National Taiwan University, Taiwan
林郁真教授 國立臺灣大學工學院環境工程學研究所
- 11:00 – 11:30 **Sleep in Infants and Young Children**
Dr. Shao-Yu Tsai
School of Nursing, College of Medicine, National Taiwan University, Taiwan
蔡劭瑜副教授 國立臺灣大學醫學院護理學系暨研究所
- 11:30 – 12:00 **Fetal Origin of Health and Disease, and the Associations with Environmental Factors**
Dr. Shu-Li (Julie) Wang
National Institute of Environmental Health Sciences, National Health Research Institutes, Taiwan
王淑麗研究員 國家衛生研究院國家環境醫學研究所
- 12:00 – 13:00 Lunch
- 13:00 – 14:00 Poster Session II – even numbers

Poster Discussion : (Venue: 5 Conference Rooms)

- 14:00 – 16:30 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, U.S.A.

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

Dr. Savio L-Y. Woo 胡流源院士

Musculoskeletal Research Center, Department of Bioengineering, University of Pittsburgh, U.S.A.

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

Dr. Tun-Hou Lee 李敦厚教授

Department of Immunology and Infectious Diseases, Harvard TH Chan School of Public Health, U.S.A.

16:40

Adjourn