

九十八年度國家衛生研究院生物醫學學術研討會  
2009 Biomedical Research Symposium of National Health Research Institutes

**August 12, 2009 (Wednesday)**

**Venue: Auditorium**

- 09:30 – 10:00      Registration
- 10:00              Opening Remarks  
**Dr. Kenneth K. Wu**  
National Health Research Institutes, Taiwan  
伍焜玉院長 國家衛生研究院
- 10:10              Award Presentation to Dr. Monto Ho  
**Dr. Kenneth K. Wu**  
National Health Research Institutes, Taiwan  
伍焜玉院長 國家衛生研究院

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**Plenary Lecture**

- Chairperson      **Dr. Shu Chien** 錢煦院士  
Departments of Bioengineering and Medicine, University of California at San Diego, U.S.A.
- 10:25 – 11:15      **Bioengineering and Its Importance in Keeping Our Joint Healthy**  
**Dr. Savio L-Y. Woo** 胡流源院士  
Department of Bioengineering, University of Pittsburgh, Center for Bioengineering, U.S.A.

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11:15 – 12:15      Poster Session I – odd numbers

12:15 – 13:15      Lunch

**Session I : Medical Engineering**

- Chairpersons      **Dr. Savio L-Y. Woo** 胡流源院士  
Department of Bioengineering, University of Pittsburgh, Center for Bioengineering, U.S.A.
- Dr. Feng-Huei Lin**  
Division of Medical Engineering, National Health Research Institutes, Taiwan  
林峯輝組主任 國家衛生研究院醫學工程研究組
- 13:15 – 13:40      **Neural Engineering Approaches for Assessing rTMS Treatment of Parkinsonian Rats**  
**Dr. Jia-Jin Chen**  
Institute of Biomedical Engineering, College of Engineering, National Cheng Kung University, Taiwan  
陳家進教授 國立成功大學工學院醫學工程研究所

- 13:40 – 14:05      **Gold Nanoparticles for Multiple Selective Photothermal Therapy and Photoacoustic Imaging**  
*Dr. Pai-Chi Li*  
 Graduate Institute of Biomedical Electronics and Bioinformatics, College of Electrical Engineering and Computer Science, National Taiwan University, Taiwan  
 李百祺教授 國立台灣大學電機資訊學院生醫電子與資訊學研究所
- 14:05 – 14:30      **Biomechanical Considerations for Spine Arthroplasty**  
*Dr. Jaw-Lin Wang*  
 Institute of Biomedical Engineering, College of Engineering, National Taiwan University, Taiwan  
 王兆麟教授 國立台灣大學工學院醫學工程研究所
- 14:30 – 14:55      **Tri-co-polymer for Articular Cartilage Tissue Engineering**  
*Dr. Feng-Huei Lin*  
 Division of Medical Engineering, National Health Research Institutes, Taiwan  
 林峯輝組主任 國家衛生研究院醫學工程研究組
- 14:55 – 15:20      **Monitoring of Nanoparticles *in vivo* and the Biomedical Applications: A Contusive Spinal Cord Injury Study**  
*Dr. Chung-Shi Yang*  
 Center for Nanomedicine Research, National Health Research Institutes, Taiwan  
 楊重熙主任 國家衛生研究院奈米醫學研究中心
- 15:20 – 15:50      Coffee Break

## **Session II : Population Health Research**

- Chairpersons      *Dr. Ming T. Tsuang* 莊明哲院士  
 Center of Behavioral Genomics, Department of Psychiatry, University of California, San Diego, U.S.A.
- Dr. Kung-Yee Liang* 梁廣義院士  
 Department of Biostatistics, Bloomberg School of Public Health, The Johns Hopkins University, U.S.A.
- 15:50 – 16:15      **Integration of Quality of Life and Survival for Outcome Research in Health Care Services**  
*Dr. Jung-Der Wang*  
 Institute of Occupational Medicine and Industrial Hygiene, College of Public Health, National Taiwan University, Taiwan  
 王榮德教授 國立台灣大學公共衛生學院職業醫學與衛生研究所

- 16:15 – 16:40      **Genetic Study of Schizophrenia and Clinical Implications**  
*Dr. Hai-Gwo Hwu*  
Department of Psychiatry, College of Medicine, National Taiwan University  
Hospital, Taiwan  
胡海國教授 國立台灣大學醫學院附設醫院精神部
- 16:40 – 17:05      **Genetic and Environmental Effects to Lung Cancer in Taiwan and Public  
Health Perspectives**  
*Dr. Chao Agnes Hsiung*  
The Institute of Population Health Sciences, National Health Research  
Institutes, Taiwan  
熊昭代理所長 國家衛生研究院群體健康科學研究所
- 17:05 – 17:30      **The Prevalence and Mortality Risks of Chronic Kidney Disease in Taiwan,  
with Emphasis on the Value of Testing for Micro-albuminuria**  
*Dr. Chi-Pang Wen*  
The Institute of Population Health Sciences, National Health Research  
Institutes, Taiwan  
溫啟邦研究員 國家衛生研究院群體健康科學研究所
- 18:00 – 20:00      Welcome Dinner

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2009 Biomedical Research Symposium of National Health Research Institutes

*August 13, 2009 (Thursday)*

*Venue: Auditorium*

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**Plenary Lecture**

Chairperson

*Dr. Chien Ho* 何潛院士

Department of Biological Sciences, Carnegie Mellon University, U.S.A.

09:00 – 09:50

**Molecular Signaling Regulating Oncogenic Properties of Cancer Cells**

*Dr. Lu-Hai Wang*

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

王陸海組主任 國家衛生研究院分子與基因醫學研究組

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**Session III : Cancer Research**

Chairpersons

*Dr. Yung-Chi Cheng* 鄭永齊院士

Department of Pharmacology, Yale University, U.S.A.

*Dr. Wen-Hwa Lee* 李文華院士

Department of Biological Chemistry, University of California, Irvine, U.S.A.

09:50 – 10:15

**Roles of Macrophages in Cancer Therapy**

*Dr. Chi-Shiun Chiang*

Department of Biomedical Engineering and Environmental Sciences, College of Nuclear Science, National Tsing Hua University, Taiwan

江啟勳副教授 國立清華大學原子科學院生醫工程與環境科學系

10:15 – 10:40

**Type II Transmembrane Serine Protease Involved in Hepatocyte Structure and Function**

*Dr. Shu-Wha Lin*

Department of Clinical Laboratory Sciences and Medical Biotechnology, College of Medicine, National Taiwan University Hospital, Taiwan

林淑華教授 國立台灣大學醫學院醫學檢驗暨生物技術學系

10:40 – 11:05

**Molecular Predictors of EGFR Tyrosine Kinase Inhibitor Sensitivity in Non-small Cell Lung Cancers**

*Dr. Shiu-Feng Huang*

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

黃秀芬副研究員 國家衛生研究院分子與基因醫學研究組

11:05 – 12:05

Poster Session II – even numbers

12:05 – 13:00

Lunch

## **Session IV : Biomedical Science**

- 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. Lina Wei* 魏麗娜教授  
Department of Pharmacology, University of Minnesota, U.S A.
- 13:00 – 13:25      **Neuronal Morphogenesis and Neurodevelopmental Disorders**  
*Dr. Yi-Ping Hsueh*  
Institute of Molecular Biology, Academia Sinica, Taiwan  
薛一蘋副研究員 中央研究院分子生物研究所
- 13:25 – 13:50      **Ion Channels and Pharmacotherapy of Epilepsy: Biophysical Attributes  
and Structural Implications**  
*Dr. Chung-Chin Kuo*  
Graduate Institute of Physiology, College of Medicine, National Taiwan  
University, Taiwan  
郭鐘金教授 國立台灣大學醫學院生理學研究所
- 13:50 – 14:15      **Why are Most Organs Soft ?--Substratum Stiffness Regulates Cell  
Differentiation**  
*Dr. Ming-Jer Tang*  
Department of Physiology, College of Medicine, National Cheng Kung  
University, Taiwan  
湯銘哲教授 國立成功大學醫學院生理學研究所
- 14:15 – 14:40      **Interleukin 15 and T Cell Tolerance**  
*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
- 14:40 – 14:45      Acknowledgement  
*Dr. Ing-Kang Ho*  
National Health Research Institutes, Taiwan  
何英剛副院長 國家衛生研究院
- 14:45 – 15:00      Coffee Break
- 15:00 – 16:30      Poster Discussion Meeting (Venue: Conference room 1、2、3、4、6)  
Group A (Biomedical Science) : Dr. Edward T.H. Yeh 葉篤行院士  
Group B (Neuroscience) : Dr. Horace H. Loh 羅浩院士,  
Group C (Cancer Research) : Dr. Wen-Hwa Lee 李文華院士  
Group D (Medical Engineering) : Dr. Savio L-Y. Woo 胡流源院士  
Group E (Population Health Research) : Dr. Kung-Yee Liang 梁賡義院士
- 16:40                Adjourn