

# International Symposium on Cancer Invasion and Metastasis – New Aspects and Mechanisms

## 癌症侵犯與轉移新觀點與新機制國際研討會

日期: 民國 108 年 9 月 21 日

會議地點: 臺北醫學大學國際會議廳與誠樸廳

舉辦單位: 臺北醫學大學、萬芳醫院

贊助單位: 科技部、臺北醫學大學、教育部深耕計畫、衛生福利部卓越癌症中心計畫

### PROGRAM

08:30-09:00            **Registration and morning coffee**

#### **Opening Remarks**

09:00-09:10            **Dr. Wen-Chang Chang (張文昌董事長、院士)**

Chairman, Taipei Medical University

09:10-09:20            **Dr. Chien-Huang Lin (林建煌校長)**

President, Taipei Medical University

09:20-09:30            **Dr. Robert S. Kerbel**

Chair of the Organizing Committee

09:30-09:40            Group Photo

#### **KEYNOTE SPEECHES**

09:40-09:50            Introduction of keynote speakers

**Dr. Hsing-Jien Kung (龔行健院士)**

Academician, Academia Sinica; Chair Professor, Taipei Medical University;

President Emeritus, National Health Research Institutes; Distinguished

Professor Emeritus, UC Davis

09:50-10:40            **New physics-based approach to treat metastatic cancer**

**Dr. Denis Wirtz**

Theophilus Halley Smoot Professor of Engineering Science, Whiting School of Engineering, the Johns Hopkins University

Vice Provost for Research, Johns Hopkins University

10:40-11:30            **Preclinical experimental therapeutic outcomes using primary versus early or late stage metastatic disease models**

**Dr. Robert S. Kerbel**

Professor of Laboratory Medicine and Pathobiology, University of Toronto

Senior Scientist, Molecular and Cellular Biology Research, Sunnybrook

Health Sciences Centre, Canada

11:30-12:30

**Lunch and sponsored presentation**

12:30-13:00

**Roundtable discussion: incubate the collaboration**

*Dr. Kelvin K. Tsai (蔡坤志教授)*

Co-chair of the Organizing Committee

13:00-13:20

**Session break**

**Session I**

**NOVEL MECHANISMS IN METASTASIS**

13:20-13:30

Moderator

*Dr. Li-Tzong Chen (陳立宗所長)*

Director, National Institute of Cancer Research, National Health Research Institutes, Taiwan

13:30-14:00

**A novel invadopodia regulator in cancer stem cells and its role in cancer metastasis**

*Dr. Kelvin K. Tsai*

Associate Professor, Graduate Institute of Clinical Medicine, Taipei Medical University; Co-Director, Integrative Center for Gastroenterologic Cancer Therapy, Wan Fang Hospital; Associate Investigator (Joint), National Institute of Cancer Research, National Health Research Institutes, Taiwan

14:00-14:30

**The multi-faceted abilities of invadopodia during cancer cell extravasation in brain metastasis**

*Dr. Hon S. Leong*

Associate Professor, Department of Medical Biophysics, University of Toronto; Scientist, Sunnybrook Health Sciences Centre, Toronto, Canada; Associate Professor, Department of Urology, Physiology & Biomedical Engineering, College of Medicine, Mayo Clinic, Rochester, MN, USA

14:30-15:00

**Building cancer premetastatic niches: an emerging role of tumor-derived exosomes**

*Dr. Tang-Long Shen (沈湯龍教授)*

Acting Director, Center for Biotechnology, National Taiwan University; Professor, Department of Plant Pathology and Microbiology, National Taiwan University, Taipei, Taiwan

15:00-15:20

**Session break**

**Session II**

**HOST FACTORS IN METASTASIS**

15:20-15:30

Moderator

*Dr. Chih-Hung Hsu (徐志宏教授)*

Co-chair of the Organizing Committee  
 Graduate Institute of Oncology, College of Medicine, National Taiwan  
 University Cancer Center, Taiwan

15:30-16:00 **The contribution of therapy-educated host cells to tumor progression and metastasis**

*Dr. Yuval Shaked*

Director, Technion Integrated Cancer Center; Professor, Department of Cell Biology and Cancer Science, Rappaport Faculty of Medicine; Technion – Israel Institute of Technology, Haifa, Israel

16:00-16:30 **The biology of pro-metastatic tumor microenvironment: How to access it and who may be at risk**

*Dr. Maja H. Oktay*

Professor of Pathology, The L.G. Koss Division of Cytology, Montefiore Medical Center; Professor of Anatomy and Structural Biology and Director, Clinical Imaging Applications, Integrated Imaging Program, Michael F. Price Center for Genetic and Translational Medicine, Albert Einstein College of Medicine, Bronx, NY, USA

16:30-17:00 **The cross-talk between prostate cancer and microenvironment enhances cancer invasion and metastasis**

*Dr. Shian-Ying Sung (宋賢穎教授)*

Associate Professor, Program for Translational Medicine, College of Medical Science and Technology (CoMST), Taipei Medical University, Taiwan

17:00-17:10 Closing Remarks

*Dr. Jacqueline Whang-Peng (彭汪嘉康院士)*

Academician, Academia Sinica; Associate Dean, College of Medical Science and Technology, Taipei Medical University

### **Adjourn**

17:10-17:30 Mini-bus to *Taipei 101*

18:00-20:00 Welcome Reception

*Dingxian Taipei 101*