**2018 EITA Healthcare Innovation and
Entrepreneurship Workshop
(EITA-Healthcare Ventures 2018)**

**"Smart, Precision, and Preventive Medicine:
Challenges, Opportunities, and Future Directions"**

**Taipei Economic and Cultural Office in New York
1 East 42nd Street, New York, NY**

Friday, April 27, 2018

Program

(Draft as of 4/25/18)

4/27 (Fri) 1:00 pm - 6:30 pm: Registration
Room: the 1st FL., TECO in New York

4/27 (Fri) 1:30 pm - 2:20 pm: Opening Session
Co-Chairs:

Dr. Li-San Wang (王立三), Associate Professor of Pathology and Laboratory Medicine; Co-Director, Penn Neurodegeneration Genomics Center; Co-Director, Genome Center for Alzheimer's Disease, University of Pennsylvania Perelman School of Medicine

Dr. Yi-Hsiang (Sean) Hsu (許益祥)
Co-director and Assistant Professor at Harvard Medical School; Associate Member at BROAD Institute of MIT and Harvard
Room: Main Auditorium, TECO in New York

Welcome Remarks:

Ambassador Lily L.W. Hsu
Director General
The Taipei Economic and Cultural Office in New York
(中華民國駐紐約臺北經濟文化辦事處處長徐儷文大使)

Opening Remarks:

Dr. Carlo Yuvienco
Senior Project Manager, Life Sciences
New York City Economic Development Corporation

Plenary Sessions:
4/27 (Fri) 2:20 pm - 3:10 pm: Plenary Session (I): The Current Status and Future of Precision Medicine

Chair: Dr. Yung-Fu Chang (張永富), Professor, Department of Population Medicine and Diagnostic Sciences, College of Veterinary Medicine, Cornell University
Room: Main Auditorium, TECO in New York

Dr. Yi-Hsiang (Sean) Hsu (許益祥)
Co-director and Assistant Professor at Harvard Medical School
Associate Member at BROAD Institute of MIT and Harvard

"Structure of a Leptospira antigen offers high bactericidal antibody accessibility amenable to vaccine design"

Dr. Yung-Fu Chang (張永富)
Professor, Department of Population Medicine and Diagnostic Sciences
College of Veterinary Medicine
Cornell University

4/27 (Fri) 3:10 pm – 4:00 pm: Plenary Session (II): Advancing the Clinic with Emerging NGS Technologies

Chair: Dr. Cathy H. Wu (吳慧華), Unidel Edward G. Jefferson Chair in Engineering and Computer Science; Director, Center for Bioinformatics & Computational Biology; Director, Protein Information Resource; Professor, Computer & Information Sciences; Professor, Biological Sciences, University of Delaware
Room: Main Auditorium, TECO in New York

"Advancing the Clinic with Emerging NGS Technologies: Derive Extracellular RNA Biomarker Signatures from Blood using NGS Technologies"
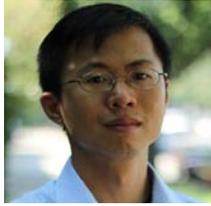
Dr. Yaoyu E. Wang (王耀煜)
Associate Director, Center for Computational Cancer Biology
Dana-Farber Cancer Institute
Harvard Medical School

"How can we act fast to stop involuntary twisting?"

Dr. Richard C. Liang (梁駿騏)
Research Assistant Professor, Department of Neurology
University of Michigan

4/27 (Fri) 4:00 pm - 4:10 pm: Break

4/27 (Fri) 4:10 pm – 4:35 pm: Plenary Session (III): Integrating Precision Medicine: Technical Challenges and Solutions

Chair: Dr. Pei-yun S. (Sabrina) Hsueh (薛沛芸), IBM Academy of Technology Member, Thomas J. Watson Research Center
Room: Main Auditorium, TECO in New York

"Predictive modeling of drug effects and interactions"

Dr. Ping Zhang (張平)
Research Staff Member, Center for Computational Health
IBM T.J. Watson Research Center

4/27 (Fri) 4:35 pm – 5:00 pm: Plenary Session (IV): Precision Medicine: New Paradigms, Risks and Opportunities for the Pharmaceutical Industry

Chair: Dr. Yaoyu E. Wang (王耀煜), Associate Director, Center for Computational Cancer Biology, Dana-Farber Cancer Institute, Harvard Medical School
Room: Main Auditorium, TECO in New York

"From Human Genetics to a Drug Target for Alzheimer's Disease"

Dr. Li-San Wang (王立三)
Associate Professor of Pathology and Laboratory Medicine
Co-Director, Penn Neurodegeneration Genomics Center
Co-Director, Genome Center for Alzheimer's Disease
University of Pennsylvania Perelman School of Medicine

4/27 (Fri) 5:00 pm – 6:25 pm: Plenary Session (V) & Panel Discussions: Health Data, Information, Knowledge, Security, and Privacy

Moderator: Dr. Sun-Yuan Kung (貢三元), Professor, Department of Electrical Engineering, Princeton University
Room: Main Auditorium, TECO in New York

"Big Data to Knowledge: Integrative Literature Mining and Knowledge Networks for Kinase Drug Analytics"

Dr. Cathy Huey-Hwa Wu (吳慧華)
Unidel Edward G. Jefferson Chair in Engineering and Computer Science
Founding Director, Data Science Institute
Founding Director, Center for Bioinformatics & Computational Biology
University of Delaware

"Teaching Medical Knowledge to Humanoid Robots"

Dr. Ching-Yung Lin (林清詠)
CEO, Graphen, Inc
Adjunct Professor, Department of Electrical Engineering, Columbia University

4/27 (Fri) 6:25 pm – 6:30 pm: Closing Remarks:
Chairs:

Dr. Li-San Wang (王立三), Associate Professor of Pathology and Laboratory Medicine; Co-Director, Penn Neurodegeneration Genomics Center; Co-Director, Genome Center for Alzheimer's Disease, University of Pennsylvania Perelman School of Medicine

Dr. Yi-Hsiang (Sean) Hsu (許益祥)
Co-director and Assistant Professor at Harvard Medical School; Associate Member at BROAD Institute of MIT and Harvard
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