International Conference on Recent Advances in Big Data and Precision Health, Taiwan

Oct. 3rd, 2022 (UTC+8)   Webex Webinar

https://ppp.nhri.edu.tw/portal/intlconf-20221003/

Advisor : Ministry of Health and Welfare
Sponsor : National Health Research Institutes, Health Big Data Platform Program.
Co-sponsors: Chi Mei Medical Center, Precision Medicine Industry Association of Taiwan,
Taiwan Joint Commission of Precision Medicine, Taiwan Society of Pathology
(in alphabetical order)

Agenda: Morning, 3rd Oct. 2022 (UTC+8)

Time	Topic	Speaker	Moderator
08:50-09:00	**Registration**		
09:00-09:10	**Welcome Speech**	**Kung-Yee Liang, PhD** President, National Health Research Institutes (NHRI), Taiwan, ROC	
		Kevin Ming-Hsun Liu Counselor, Ministry of Health and Welfare	
09:10-09:15	**Introduction to the "Health Big Data Platform Program"**	**Chien-Feng Li, MD, PhD** Joint-Appointment Investigator and Attending Physician, National Institute of Cancer Research, NHRI, Taiwan, ROC	
09:15-09:55	**Breast Cancer Risk Model Requirements for Counseling, Prevention, and Screening**	**Mitchell H. Gail, MD, PhD** Distinguished Investigator, National Cancer Institute, National Institutes of Health (NIH), USA	**Kung-Yee Liang, PhD** President, NHRI, Taiwan, ROC
09:55-10:35	**Controversies in Predictive Modeling, Machine Learning, and Validation**	**Frank E. Harrell, PhD** Professor and Founding Chair, Department of Biostatistics, Vanderbilt University School of Medicine, USA	**Chao Agnes Hsiung, PhD** Honorary Investigator, Institute of Population Health Sciences, NHRI, Taiwan, ROC
10:35-10:50	**Break**		
10:50-11:30	**Enabling genomic Real-World Evidence at Population Scale**	**Simeen Malik, PhD** Associate Principal Scientist, Illumina, Singapore	**Muh-Hwa Yang, MD, PhD** Vice President, National Yang Ming Chiao Tung University, Taiwan, ROC
11:30-12:10	**Using Movement Data to Predict Pandemic Surges**	**C. Jason Wang, MD, PhD** Professor of Pediatrics (General Pediatrics) and Health Policy Director, Center for Policy, Outcomes and Prevention, Stanford University, USA	**Wei-Jen Chen, MD, ScD** Distinguished Investigator and Director, Center for Neuropsychiatric Research, NHRI, Taiwan, ROC
12:10-13:10	**Lunch**		

International Conference on Recent Advances in Big Data and Precision Health, Taiwan

https://ppp.nhri.edu.tw/portal/intlconf-20221003/

Agenda: Afternoon, 3rd Oct. 2022 (UTC+8)

Time	Topic	Speaker	Moderator
13:10-13:25	**Adapting Lung Cancer Prediction PLCO 2012 Model for Taiwan**	**I-Shou Chang, PhD** Investigator Emeritus, National Institute of Cancer Research, NHRI, Taiwan, ROC	**Hsiu-Hsi Chen, PhD** Professor, Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taiwan, ROC
13:25-13:40	**Risk Prediction for Type 2 Diabetes in Taiwan**	**Ren-Hua Chung, PhD** Investigator, Institute of Population Health Sciences, NHRI, Taiwan, ROC	
13:40-13:55	**Precision Medicine in Biliary Tract Cancer: The Application of Comprehensive Genomic Profiling into Real-World Clinical Treatment**	**Nai-Jung Chiang, MD, PhD** Adjunct Assistant Investigator and Attending Physician, National Institute of Cancer Research, NHRI, Taiwan, ROC	**Chien-Feng Li, MD, PhD** Joint-Appointment Investigator and Attending Physician, National Institute of Cancer Research, NHRI, Taiwan, ROC
13:55-14:10	**Precision Medicine in Esophagus Cancer: The Genome-Driven Oncology Care in Real World**	**Shang-Hung Chen, MD, PhD** Assistant Investigator and Attending Physician, National Institute of Cancer Research, NHRI, Taiwan, ROC	
14:10-14:20	**Comprehensive Evaluation of COVID-19 Policies and Outcomes in 50 Countries**	**Hsiao-Hui Tsou, PhD** Associate Investigator, Institute of Population Health Sciences, NHRI, Taiwan, ROC	**Hung-Yi Chiou, PhD** Distinguished Investigator and Director, Institute of Population Health Sciences, NHRI, Taiwan, ROC
14:20-14:30	**Nationwide Antimicrobial Resistance (AMR) Surveillance Programs**	**Shu-Chen Kuo, MD, PhD** Associate Investigator and Attending Physician, National Institute of Infectious Diseases and Vaccinology, NHRI, Taiwan, ROC	
14:30-14:40	**Establishment of Hospital-Based Database for Bacteremia and its Applications**	**Po-Hsin Kong** Medical Technologist, Center for Precision Medicine, Chi Mei Medical Center, Taiwan, ROC	
14:40-15:00	**Break**		
15:00-15:40	**Future Directions: Precision Oncology & Cancer Genomics**	**Nirupa Murugaesu, MD, PhD** Clinical Lead for Molecular Oncology, Genomics England, UK	**Tsang-Wu Liu, MD** Investigator and Acting Director, National Institute of Cancer Research, NHRI, Taiwan, ROC
15:40-16:10	**Development of Biomarkers for Companion Diagnosis and Oncofertility by Using Health Data**	**Min-Huei (Marc) Hsu, MD, PhD** Professor and Director, Graduate Institute of Data Science, Taipei Medical University, Taiwan, ROC	**Li-Tzong Chen, MD, PhD** Joint-Appointed Distinguished Investigator, National Institute of Cancer Research, NHRI, Taiwan, ROC

Panel Discussion

16:10-16:50	**Moderator:** Chao Agnes Hsiung, PhD Chien-Feng Li, MD, PhD **Panelists:** All speakers and moderators are invited

| 16:50-17:00 | **Closing Remarks** | **Shiow-Ing Wu, PhD** |