



3rd NHRI-ToMMo Conference: Precision Medicine and Learning Health Systems

Date: November 2-3 (Thursday-Friday), 2017

Venue:

Room 801, Evergreen International Convention Center

No.11, Zhongshan S. Rd., Zhongshan Dist., Taipei, 10048, Taiwan

Speakers:

Japan

Shigeo Kure, Tohoku University

Shinichi Kuriyama, Tohoku University

Jun Yasuda, Tohoku University

Mami Ishikuro, Tohoku University

US

Charles Friedman, University of Michigan (video conference)

Allen J. Flynn, University of Michigan

Charles Brendler, NorthShore University Health System

Hong Kong

Pak Chung Sham, The University of Hong Kong

Taiwan

Yue-Liang Leon Guo, NHRI

Shih-Feng Tsai, NHRI

Yu-Chuan (Jack) Li, Taipei Medical University

Yu-Ju Chen, Academia Sinica

Ming-Wei Su, Academia Sinica

- Hosted and Organized by National Health Research Institutes Forum, Tohoku Medical Megabank Organization
- Sponsored by Ministry of Health and Welfare



3rd NHRI-ToMMo Conference

Day 1 November 2 (Thursday), 2017

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| 8:30-09:00 | Registration | |
| 09:00-09:10 | Welcome & Opening Remarks | Cheng-Wen Wu, NHRI Hsin-Su Yu, NHRI |
| Session 1: Cohort Studies Chi-Hsiung (Ed) Wang (NorthShore University HealthSystem) | | |
| 09:10-09:50 | Evolution of Cancer Care: From Traditional to Personalized to Precise | Charles Brendler, NorthShore University |
| 09:50-10:30 | 1000 high coverage whole-genome sequences representative of the Taiwanese population from Taiwan Biobank | Ming-Wei Su, Academia Sinica |
| 10:30-10:50 | Coffee Break | |
| 10:50-11:30 | Design and mission of the TMM BirThree Cohort Study | Shinichi Kuriyama, Tohoku University |
| 11:30-12:10 | Tips for Recruitment and Progress of the TMM BirThree Cohort Study | Mami Ishikuro, Tohoku University |
| 12:10-12:30 | Discussion | Ken Wu, NHRI |
| 12:30-13:30 | Lunch | |
| Session 2: Omics Technology and Precision Medicine Hsiu-Ming Shih, NHRI and Academia Sinica | | |
| 13:30-14:10 | Prediction of atopic diseases using hereditary and environmental information | Yue-Liang Leon Guo, NHRI |
| 14:10-14:50 | Initiative on rare and undiagnosed disease, tree-year experience | Shigeo Kure, Tohoku University |
| 14:50-15:30 | Pathway to Next Generation Precision Medicine: Prospective from Taiwan Cancer Moonshot to Address Unmet Clinical Needs | Yu-Ju Chen, Academia Sinica |

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| 15:30-15:50 | Coffee Break | |
| 15:50-16:30 | Genetics of schizophrenia | Pak Chung Sham, The University of Hong Kong |
| 16:30-17:10 | WGS Data Analysis for Undiagnosed Diseases – Taiwan Rare Disease Network | Shih-Feng Tsai, NHRI |
| 17:10-17:30 | Discussion/ Group Photo | Shih-Feng Tsai, NHRI |

3rd NHRI-ToMMo Workshop

Day 2 November 3 (Friday), 2017

Session 3: Pharmacogenomics and Learning Health Systems Ray-Jade Chen, Taipei Medical University Hospital

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| 09:00-09:40 | Keynote Speech (video conference) | Charles Friedman, University of Michigan |
| 09:40-10:20 | Variants of uncertain significance of the cancer predisposing genes in two thousand Japanese whole genome sequencing data | Jun Yasuda, Tohoku University |
| 10:20-10:40 | Coffee Break | |
| 10:40-11:20 | To be provided | Allen J. Flynn, University of Michigan |
| 11:20-12:00 | AI and Learning Health System | Yu-Chuan (Jack) Li, Taipei Medical University |
| 12:00-12:20 | Discussion / Closing Remarks/ Group Photo | Po-Huang Chiang, NHRI |