



International Conference on Precision Medicine: From Discovery to Public Health
 19th – 20th July 2018
 Crowne Plaza Bangkok, Thailand

Thursday July 19 th , 2018	
08.00 – 08.30	Registration
	MC: Associate Professor Thantrira Porntaveetus, DDS, PhD
08.30 – 09.00	Welcome speech Professor Kiat Ruxrungham, MD Vice President, Chulalongkorn University Professor Suttipong Wacharasindhu, MD Dean, Faculty of Medicine, Chulalongkorn University Professor Nibondh Saibejra The Royal Society of Thailand Professor Suthipun Jitpimolmard, MD President, Thailand Research Fund
09.00 – 09.15	Opening Speech: Professor Surapol Issaragrisil, MD The Royal Society of Thailand Professor Sirirug Songsivilai, MD Secretary of the National Research Council of Thailand Professor Vorasuk Shotelersuk, MD Chair of Organizing Committee
	Chair: Professor Anond Bunyaratvej, MD The Royal Society of Thailand
09.15 – 09.45	Precision Medicine in the UK Professor Philip Beales, MD ICH, UCL, London, UK
09.45 – 10.15	Development of Tetraspanin CD81 as a Clinical Target of Rheumatoid Arthritis and Breast Cancer Professor Tohru Nakanishi, PhD Shujitsu University Graduate School of Pharmacy, Japan

10.15 – 10.30	Refreshment and Booth
	Chair: Professor Kanya Suphapeetiporn, MD, PhD
10.30 – 11.00	Database Resources of the BIG Data Center in 2018 Professor Zhang Zhang, PhD Executive Director of BIG Data Center Beijing Institute of Genomics (BIG), Chinese Academy of Sciences (CAS), China
11.00 – 11.30	Identification of functional PTM events in neuronal autophagy Professor Yu Xue, PhD the Department of Bioinformatics & Systems Biology, College of Life Science and Technology of Huazhong University of Science and Technology, China
11.30 – 12.00	Precision Medicine for Rare Diseases Professor Vorasuk Shotelersuk, MD Director of the Center of Excellence for Medical Genetics, Faculty of Medicine, Chulalongkorn University, Thailand
12.00 – 12.10	Small break
12.10 – 13.10	Luncheon Symposium: Short read VS Long read NGS technologies 1. Clinical Capability of PacBio SMRT Sequencing Li Xi Senior Manager, Clinical Marketing, Pacific Biosciences (PAC BIO), Inc. 2. From Research to Precision Medicine - illumina Leading the Path Thomas Patrick Klemm Sr.Specialist, Human Genotyping Asia Pacific & Japan Illumina
13.10 – 13.20	Small break
	Chair: Associate Professor Supatporn Tepmongkol, MD
13.20 – 13.50	Bridging glioma biology and advanced imaging for precision medicine Professor Ang Beng Ti, MD Senior Consultant and Head, Department of Neurosurgery, Singapore General Hospital, Singapore
13.50 – 14.20	Linking Alterations of the Gut Virome to the development of Hypertension Professor Kang Ning, PhD Microbial Bioinformatics Group, Director of the Department of Bioinformatics and Systems Biology, School of Life Science and Technology, Huazhong University of Science and Technology, China

14.20 – 14.50	<p>Artificial Intelligence in Neurodegenerative Diseases</p> <p>Associate Professor Vorapun Senanarong, MD, DTM&H, FRCP (London)</p> <p>Division of Neurology, Department of Medicine</p> <p>Siriraj Hospital, Mahidol University, Thailand</p>
14.50 – 15.05	Break
	Chair: Dr. Prasit Phowthongkum, MD
15.05 – 15.35	<p>Screening for cancer therapeutic targets through differentially essential genes</p> <p>Professor Wei-hua Chen, MD</p> <p>Key Laboratory of Molecular Biophysics of the Ministry of Education, Hubei Key Laboratory of Bioinformatics and Molecular-imaging, Department of Bioinformatics and Systems Biology, College of Life Science and Technology, Huazhong University of Science and Technology, Hubei, China</p>
15.35 – 16.05	<p>Precision Medicine in Public Health</p> <p>Surakameth Mahasirimongkol MD, MSc, PhD</p> <p>Ministry of Public Health (MOPH), Thailand</p>
16.05 – 16.35	<p>Ginger (<i>Zingiber officinale</i>) extract as telomerase suppressor</p> <p>Associate Professor Wirote Tuntiwechapikul, PhD</p> <p>Department of Biochemistry, Faculty of Medicine</p> <p>Chiang Mai University, Thailand</p>

Friday July 20th, 2018

08.00 – 08.30	Register
	MC: Dr. Yuda Chongpison, PhD
	Chair: Associate Professor Thantrira Pornraveetus , DDS, PhD
08.30 – 09.00	Mining whole genomes for PGx variants: to respond or not to respond? Dr. Chiara Bacchelli, PhD UCL, Great Ormond Street Institute of Child Health London, UK
09.00 – 09.30	Title to be confirmed Assistant Professor Ruibang Luo, PhD Department of Computer Science, The University of Hong Kong
09.30 – 10.00	Characterizing the “Dark Matters” in Human Transcriptome. Assistant Professor Ge Gao, PhD Center for Bioinformatics Beijing Advanced Innovation Center for Genomics (ICG), China
10.00 – 10.15	Refreshment and booth
	Chair: Professor Kanya Suphapeetiporn, MD, PhD
10.15 – 10.45	PGG.Population: A database for understanding the genomic diversity and genetic ancestry of human populations Professor Shuhua Xu, PhD CAS-MPG Partner Institute for Computational Biology, China
10.45 – 11.15	Artificial Intelligence: Understanding the Development of Chemoresistance in Glioma Patients, a Case Study (STAT3) Assistant Professor Carol Tang Soo Leng, PhD National Neuroscience Institute, Singapore
11.15 – 11.45	Title to be confirmed Dr. Sissades Tongsimma, PhD National Science and Technology Development Agency (NSTDA) Ministry of Science and Technology (MOST), Thailand
11.45 – 12.15	Luncheon Symposium: Service Providers 1. BGISEQ Based Tech Services Highlight & Featured Applications Yonggang (Jason) Zhao Int'l Tech Services Business Unit Director (BGI), Shenzhen, China

12.15 – 13.15	2. Macrogen Seoul, South Korea
	Chair: Dr. Prasit Phowthongkum, MD
13.15 – 13.45	Morphling: An ultra-fast model-free framework for structural variant discovery Professor Kai Ye, PhD Department of Automation Science and Technology Xi'an Jiaotong University (XJTU), China
13.45 – 14.15	Digestion-Ligation-Only Hi-C, a Simple, Cost-effective, and Highly Efficient Method for Chromosome Conformation Capture Professor Guoliang Li, PhD College of Informatics, Huazhong Agricultural University, China
14.15 – 14.45	Precision Medicine in Thai Cancer Professor Manop Pithukpakorn, MD Siriraj Hospital, Mahidol University
14.45 – 15.00	Break
	Chair: Associate Professor Pawinee Rerknimitr, MD
15.00 – 15.30 (Had an accident)	Systematic identification of functionally conserved lncRNAs across vertebrates Professor Qiangfeng Cliff Zhang, PhD Beijing Advanced Innovation Center for Structural Biology, Center for Synthetic and Systems Biology, Tsinghua-Peking Joint Center for Life Sciences, School of Life Sciences, Tsinghua University, Beijing, China
15.30 – 16.00	Evolution of Cancer Treatment in Precision Medicine Era Associate Professor Suphat Subongkot, Pharm.D. Khon Kaen University, Thailand
16.00 – 16.30	Will Precision Medicine Ever Be A Possibility in the Control of Tuberculosis? Professor Emeritus Somchai Bovornkitti, MD, DScMed, FRCP, FRACP, Hon. FACP The Royal Society of Thailand
16.30 – 16.45	Closing Remarks Professor Anond Bunyaratvej, MD The Royal Society of Thailand