

International Conference Agenda

The Thai Society of Human Genetics 3rd Annual Conference 2024

“Harnessing genomics Thailand to better public health: the time is NOW”

1st – 3rd May 2024 at Infinity Ballroom, Pullman Bangkok King Power, Bangkok

Day 1: 1st May 2024

Time	Activity	Speaker
8.00-8.30	Registration	
8.30-9.30	Opening Session	Conference Report: Sissades Tongshima Opening Remark: Supakit Sirilak Director General, Department of Medical Sciences
9.30-10.15	Inaugural lecture: Discourse Speech to Professor Emeritus Khunsupa Na Nakorn Role of Genomics in Public Health and Medicine	Emeritus Prof. Yongyuth Yuthavong
10.15-10.25	Break	
10.25-10.45	President talk: Sun burst landscape	Sissades Thongsima
10.45-11.30	Keynote 1: Newborn whole genome sequencing	Robert C. Green
11.30-12.00	Luncheon symposium	
12.00-12.50	Lunch	
12.50-13.35	Keynote 2: Genomics England	James Duboff
Scientific session – Rare Diseases		
13.35-14.05	Converging Paths: Collaboration and Network Flow in Unlocking the Genomic Puzzle of Rare Diseases	Thipwimol Tim-Aroon Vitchayaporn Emarach Saengow
14.05-14.20	Inborn Metabolic Diseases in the Genomic Era: Advancements, Challenges, and Opportunities	Khunton Wichajarn
14.20-14.35	Exploring Neuromuscular Diseases through Genomic Data: Perspectives and Impact from Pediatric Neurologists	Chaiyos Khongkhatithum
14.35-14.50	Genomic Paradigms in Adult Heart Disease: Redefining the Landscape	Prasit Phowthongkum
14.50-15.05	Genomic Exploration of Hearing Loss: Implications for Thailand's Population	Duangrurdee Wattanasirichaigoon
15.05-15.15	Break	
15.15-15.45	Unlocking Mystery Cases: Decoding with Genomics	Wuttichart Kamolvisit Kitiwan Rojnueangnit
15.45-16.30	Genomic Thailand in Rare Diseases: A Journey from Conception to Advancement and Future Prospects	Vorasuk Shotelersuk

End of Day 1

Day 2: 2nd May 2024

Time	Activity	Speaker
8.00-8.30	Registration	
8.30-9.30	Keynote 3: Bioinformatics	Sue Lin-Chao
9.30-10.30	Keynote 4: 3,023 human genomes from mainland Southeast Asia disclose hidden genetic diversity and signatures of tropical adaptation	Bing Su
10.30-11.00	Break	
Scientific session – Bioinformatics and Population Genomics		
Parallel session	Room 1	Room 2
11.00-12.00	Panel discussion of Bioinformatics issues	Moderator: Metawee Srikummool Tracing the pre-historic DNA discovered in Mae Hong Son Province Rasmi Shoocongdej Wibhu Kutanan
12.00-13.00	Lunch	
13.00-14.00	Moderator: Genomics Thailand data access Chumpol Ngamphiw Bioinformatics for Pacbio long reads Chureerat Phokaew Bioinformatics for Nanopore long reads Piroon Jenjaroenpun	Moderator: Jatupol Kampuansai Forensics Kittipong Jaisamut Population Genetics: high prevalence of a mitochondrial disease in a population Patcharee Lertrit
Scientific session – Infectious Diseases and Non-Communicable Diseases (NCDs)		
Parallel session	Room 1	Room 2
14.00-15.00	Keynote 5: Studies of human-genome-to-bacterial-genome interactions Prasit Palittapongpim	Moderator: Sarocha Suthon Jakris Eu-ahsunthornwattana Overview of NCD programme in Genomics Thailand Jakris Eu-ahsunthornwattana Genetics of Obesity Pornpoj Pramyothin Genetics Architecture of Gestational Diabetes Mellitus Watip Tangjittipokin
15.00-15.15	Break	
15.15-16.15	Single-cell omics in host response to viral infection Ponpan Matangkasombut, Choopong Human genome analysis and dengue from blood specimen Dumrong Mairiang Panel discussion of host-pathogen interaction	THAI Chronic Kidney Disease (CKD) Risk Score Chagriya Klitiyakara Polygenic risk of sudden cardiac death John Mauleekoonphairoj Prediction of Cardiovascular Outcome Rungroj Krittayaphong

End of Day 2

Day 3: 3rd May 2024

Time	Activity	Speaker
8.00-8.30	Registration	
8.30-9.30	Keynote 6: Precision Psychiatry and Genomics in the era of big data	Jinsong Tang
Scientific session – Pharmacogenomics		
9.30-10.00	Clinical Implementation of PGx in Thailand: A Dream Come	Chonlaphat Sukasem
10.00-10.45	Plenary symposium: Success story of PGx in Thailand: Clinical Implementation and National policy	Moderator: Wichittra Tassaneeyakul
	- PGx for SCARs	Kanoot Jaruthamsophon
	- PGx for dose optimization: NAT2 story	Pajaree Chariyavilaskul
	- PGx for Drug response: Clopidogrel	Lalita Suwandamrong
10.45-10.55	Break	
10.55-11.45	Clinical Pharmacogenomics Implementation in Thailand: The Role of Health Professionals Councils	Moderator: Chonlaphat Sukasem Representative of The Medical Council of Thailand, The Dental Council, The Pharmacy Council of Thailand, The Medical Technology Council and Thailand Nursing and Midwifery Council
11.45-12.15	Luncheon symposium	
12.15-13.10	Lunch	
Scientific session – Cancer		
13.10-13.40	Cancer screening in precision medicine era, What's new	Objoon Trachoo Takol Chareonsirisuthigul
13.40-14.10	Hereditary cancer and Cancer predisposition syndrome is all around; It's not rare	Sasinipa Trithiphen
14.10-14.40	Integrative cancer genetic & epigenetic in precision cancer therapy	Usanarat Anurathapan
14.40-15.10	Transforming genomic tools to cancer patient diagnosis and follow up	Parunya Chaiyawat
15.10-15.25	Break	
15.25-16.10	Genomic TH in cancer: A Practice to Policy	Manop Pithukpakorn Passakorn Wanchajiraboon
16.10-16.30	Closing ceremony	

End of Day 3