

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	
8.30-9.25	Opening Session	Conference Report: Sissades Tongsimma Opening Remark: Opas Karnkawinpong Permanent Secretary, Ministry of Public Health Supakit Sirilak Executive Director, Health Systems Research Institute (HSRI)
9.25-9.40	Break	
9.40-10.25	Inaugural Lecture: Discourse Speech to Professor Emeritus Khunsupa Na Nakorn Role of Genomics in Public Health and Medicine	Emeritus Prof. Yongyuth Yuthavong
10.25-10.45	President Talk: Sun Burst Landscape	Sissades Tongsimma
10.45-11.30	Keynote 1: The Path to Universal Newborn Sequencing	Robert C. Green
11.30-12.00	Luncheon symposium	
12.00-13.00	Lunch	
Scientific session – Rare Diseases		Moderator: Parith Wongkittichote Phawin Kor-anantakul
13.00-13.30	Converging Paths: Collaboration and Network Flow in Unlocking the Genomic Puzzle of Rare Diseases	Thipwimol Tim-Aroon Vitchayaporn Emarach Saengow
13.30-13.45	Inborn Metabolic Diseases in the Genomic Era: Advancements, Challenges, and Opportunities	Khunton Wichajarn
13.45-14.00	Exploring Neuromuscular Diseases through Genomic Data: Perspectives and Impact from Pediatric Neurologists	Chaiyos Khongkatithum
14.00-14.15	Genomic Paradigms in Adult Heart Disease: Redefining the Landscape	Prasit Phowthongkum
14.15-14.30	Genomic Exploration of Hearing Loss: Implications for Thailand's Population	Duangrudee Wattanasirichaigoon
14.30-14.45	Break	
14.45-15.15	Unlocking Mystery Cases: Decoding with Genomics	Wuttichart Kamolvisit Kitiwan Rojnueangnit
15.15-16.00	Genomics 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	Variants Annotation and Prioritization Platform (V@PP)	Sissades Tongsim
9.30-10.30	Keynote 2: 3,023 human genomes from mainland Southeast Asia disclose hidden genetic diversity and signatures of tropical adaptation	Bing Su
10.30-10.45	Break	
Parallel session	Room 1: Bioinformatics	Room 2: Population Genomics
10.45-11.45	Moderator: Jutarop Phetcharaburanin Yotsawat Pomyen The Private Sector's Role in Shaping Thailand's Genomic Future Representative of Genfosis and CARIVA	Moderator: Metawee Srikumool Population Genetics: Uncovering the Past thru Archaeology Rasmi Shoocongdej Wibhu Kutanan
11.45-13.00	Lunch	
Parallel session	Room 1: Bioinformatics	Room 2: Population Genomics
13.00-14.00	Moderator: Sissades Tongsim Genomics Thailand data access Chumpol Ngamphiw Bioinformatics for Pacbio long reads Chureerat Phokaew Bioinformatics for Nanopore long reads Piroon Jenjaroenpun	Moderator: Jatupol Kampuansai Thailand's rich tapestry of ancestry: Unveiling maternal lineages through Comprehensive Analysis of Expanded mtDNA Data Kitipong Jaisamut Population Genetics: high prevalence of a mitochondrial disease in a population Patcharee Lertrit
Parallel session	Room 1: Bioinformatics	Room 2: Non-Communicable Diseases (NCDs)
14.00-15.00	Keynote 3: Studies of human-genome-to-bacterial-genome interactions Prasit Palittapongarnpim	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	
Parallel session	Room 1: Infectious Diseases	Room 2: Non-Communicable Diseases (NCDs)
15.15-16.15	Single-cell omics in host response to viral infection Ponpan Matangkasombut Human genome analysis and dengue from blood specimen Dumrong Mairiang Host-pathogen interaction research in Thailand: Ready, set, go? Orapan Sripichai	THAI Chronic Kidney Disease (CKD) Risk Score Chagriya Kitiyakara 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 4: Precision Psychiatry and Genomics in the era of big data	Jinsong Tang
Scientific session – Pharmacogenomics		Moderator: Surakameth Mahasirimongol
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 <ul style="list-style-type: none"> - PGx for SCARs - PGx for dose optimization: NAT2 story - PGx for Drug response: Clopidogrel 	Kanoot Jaruthamsophon Pajaree Chariyavilaskul 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		Moderator: Sasinipa Trithiphen
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	Genomics Thailand in cancer: A Practice to Policy	Manop Pithukpakorn Passakorn Wanchaijiraboon
16.10-16.20	Sponsorship Certificate	
16.20-16.30	Closing ceremony	

End of Day 3