International Conference Agenda
The Thai Society of Human Genetics 4th Annual Conference 2025
"Genomics Thailand in Action: Transforming Healthcare in Thailand"
30th April – 2nd May 2025 at Infinity Ballroom, Pullman Bangkok King Power, Bangkok

8.00-8.30	Registration	
8.30-9.30	Opening Session	
	Conference Report: Jakris Eu-ahsunthornwattana (Mahidol University, Thailand)	
	Opening Remarks: Opart Karnkawinpong (Permanent Secretary, Ministry of Public Health), Supachal Pathumnakul (Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation, MHESI) and Supakit Sirilak (Executive Director, Health Systems Research Institute, HSRI)	
	Opening CeremonyAward CeremonyGroup Photo	
9.30-9.45	Keynote 1: Supachai Pathumnakul (Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation, MHESI)	
9.45-10.30	Inaugural Lecture: Discourse Speech to Professor Emeritus Khun Supa Na-Nakorn Role of "New Target from Exome Data" Trairak Pisitkun (Chulalongkorn University, Thailand)	
10.30-11.30	Keynote 2: Genomics Thailand Phase 2 Supakit Sirilak (Health Systems Research Institute, Thailand)	
11.30-12.00	TSHG Annual General Meeting 2025	
12.00-12.30	Luncheon Symposium:	
12.30-13.30	Lunch	
13.30-14.15	Keynote 3: AI Session Piyalitt Ittichaiwong (Siriraj Informatics and Data Innovation Center, Thailand)	
14.15-14.30	President's Address Jakris Eu-ahsunthornwattana (Mahidol University, Thailand)	
14.30-15.00	HLA Databases Seik-Soon Khor (Nanyang Technological University, Singapore)	
15.00-15.30	Break	
15.30-16.30	Keynote 4:	

Day 2: 1st Ma	y 2025	
8.00-8.30	Registration	
8.30-10.00	Parallel Session Room 1: Rare Diseases	Parallel Session Room 2: Population Genomics and Forensics
	Moderator: Thipwimol Tim-Aroon (Mahidol University, Thailand) and Tim Phetthong (Phramongkutklao College of Medicine, Thailand)	Moderator: Metawee Srikummool (Naresuan University, Thailand) and Jatupol Kampuansai (Chiang Mai University, Thailand)
	Past, Present, and Future Perspectives of Genomic Medicine in Rare Diseases Vorasuk Shotelersuk (Chulalongkorn University, Thailand)	Genetic ancestry of the Sea Nomads from Southern Thailand Wibhu Kutanan (Naresuan University, Thailand)
	Setting Up a Clinical Genome Facility: Lessons Learned from Southern Thailand Surasak Sangkhathat (Prince of Songkla University, Thailand)	Molecular Autopsy: Integrating Genomic Medicine and Legal Frameworks Wisarn Worasuwannarak (Mahidol University, Thailand)
	Strange Teeth, Strange Gum, Strange Jaws in Medical Genetics Piranit Kantaputra (Chiang Mai University, Thailand)	Translating Forensic Insights into Medical Practice: Arrhythmogenic Genes and SUNDs Aummarin Chaloemthanetphong (Chulalongkorn University, Thailand)
10.00-10.30	Break	
10.30-11.30	Parallel Session Room 1: Rare Diseases	Parallel Session Room 2: Biobank
	Moderator: Thipwimol Tim-Aroon (Mahidol University, Thailand) and Tim Phetthong (Phramongkutklao College of Medicine, Thailand)	Moderator : Thanastha Thanomchard (Mahidol University, Thailand)
	Genetic Landscape of Hereditary Red Cell Membrane Defects in Northeastern Thailand Khunton Wichajarn (Khon Kaen University, Thailand)	The Thai Biobanking Network and National-Level Proficiency Testing for Biobank Specimens: An Initiative Nilubol Singhto (Mahidol University, Thailand)
	Vascular Anomalies: Unraveling Molecular Mechanisms and Exploring Treatment Opportunities Parith Wongkittichote (Mahidol University,	The Role of Biobank in Advancing Translational Precision Medicine: the MED-PSU experiences Pasarat Khongkow (Prince of Songkla University, Thailand)
	Thailand)	Biobank Roles in Genomic Data Governance: The MED CMU Experiences Arnat Pasena (Chiang Mai University, Thailand)
11.30-12.00	Luncheon symposium: 2	Luncheon symposium: 3
12.00-13.00	Lunch	
13.00-14.30	Parallel Session Room 1: Cancer	Parallel Session Room 2: Bioinformatics
	Moderator : Dumnoensun Pruksakorn (Chiang Mai University, Thailand)	Moderator : Bhoom Suktitipat (Mahidol University, Thailand)
	Genomic Landscape of Thai Cancer Patients Focus: Unique Somatic Mutations and Molecular Alterations Observed in Thai Cancer Patients.	Human Cell Atlas: Characterizing Cellular Complexity Beyond Genomes Varodom Charoensawan (Mahidol University, Thailand)
	Multi-omics Landscape of Primary Liver Cancer Yotsawat Pomyen (Chulabhorn Research Institute, Thailand)	Driving Precision Medicine Implementation with Genomics Thailand Sissades Tongsima (National Science and Technology Development Agency, Thailand)

Day 2: 1st May	y 2025	
	Somatic Mutation Landscapes of Colorectal Cancer Amphun Chaiboonchoe (Mahidol University, Thailand)	Harnessing Long-Read Sequencing for Clinical Insights: Case Studies in Epilepsy and Muscular Dystrophy Monnat Pongpanich (Chulalongkorn University, Thailand)
	Mapping Cancer Genomes: The Power of Liquid Biopsy Sasimol Udomruk (Chiang Mai University, Thailand)	Solving Genetic Mysteries with Long-Read Sequencing Wanna Chetruengchai (Chulalongkorn University, Thailand)
14.30-15.00	Break	
15.00-16.30	Parallel Session Room 1: Cancer	Parallel Session Room 2: Infectious Diseases
	Moderator : Dumnoensun Pruksakorn (Chiang Mai University, Thailand)	Moderator : Pisut Pongchaikul (Mahidol University, Thailand)
	Integrating Cancer Genomic Medicine into Clinical Practice in Thailand:	HLA variant and susceptibility to infection Seik-Soon Khor (Nanyang Technological University, Singapore)
	Current and Future Trend of Precision Oncology Virote Sriuranpong (Chulalongkorn University, Thailand) The Role of Molecular Tumor Boards in Cancer Precision Medicine	Panel discussion: Genetic and infection susceptibility Waradon Sungnak (Mahidol University, Thailand) Tiraput Poonpanichakul (Mahidol University, Thailand) Teerawit Audshasai (Mahidol University, Thailand)
	Chaiyut Charoentum (Chiang Mai University, Thailand)	(aas. cs, maint
	End of Day 2	2

Day 3: 2 nd May 2025				
8.00-8.30	Registration			
8.30-10.00	Parallel Session Room 1: Pharmacogenomics	Parallel Session Room 2: Non-Communicable Diseases (NCDs)		
	Moderator: Pajaree Chariyavilaskul (Chulalongkorn University, Thailand)	Moderator : Chartchai Chaichana (Mahidol University, Thailand) and Phongthana Pasookhush (Mahidol University, Thailand)		
	Bridging the Gap: Revolutionizing Personalized Medicine through Pharmacogenomics of Drug-Metabolizing Enzymes Suda Vannaprasaht (Khon Kaen University, Thailand) Unveiling Genetic Insights: The Pharmacogenomic Landscape of the Thai Population Through Genome Sequencing Jittima Piriyapongsa (National Science and Technology Development Agency, Thailand) Pharmacogenomics Unleashed: New Variants and Insights Revealed Through Long-Read	Stroke Nijasri Charnnarong Suwanwela (Chulalongkorn University, Thailand) Chronic Kidney Disease Chagriya Kitiyakara (Mahidol University, Thailand) Immunogenetics and Pathogenesis Study of Diabetes Watip Tangjittipokin (Mahidol University, Thailand) Role of Genomic Medicine in Transforming		
	Poierce Charivevilenkul (Chulelengkern University	Obesity Care Pornpoj Pramyothin (Mahidol University, Thailand)		
10.00-10.30	Break			
10.30-11.30	Parallel Session Room 1: Pharmacogenomics	Parallel Session Room 2: Statistical Genetics		
	Moderator : Chonlaphat Sukasem (Mahidol University, Thailand)	Moderator : Jakris Eu-ahsunthornwattana (Mahidol University, Thailand)		
	Panel Discussion: Integrating Pharmacogenomics for Seamless and Personalized Patient Care in Thailand: A Real-world Evidence and Practice	Mendelian Randomization Pimphen Charoen (Mahidol University, Thailand)		
	Nuttaporn Comying (King Narai Hospital, Thailand) Thanaporn Likittientong (Samut Sakhon Hospital, Thailand) Thoranit Pratangthato (Thongchai Pharmacy, Thailand)	Polygenic Risk Score Jakris Eu-ahsunthornwattana (Mahidol University, Thailand)		
11.30-12.00	Luncheon Symposium: 4	Luncheon Symposium: 5		
12.00-13.00	Lunch			
Scientific Ses	ssion – ELSI (Insurance)			
Moderator: P	rasit Phowthongkum (Chulalongkorn University, Thaila	nd)		
13.00-13.15	Ethical and Legal Issues in Newborn Metabolics and Genomics Screening Prasit Phowthongkum (Chulalongkorn University, Thailand)			
13.15-14.00	Newborn Metabolic Screening and Healthy Screening and Insurance Underwriting Somsakul Sripisuth (AIA Company Limited, Thailand)			

Day 3: 2 nd May 2025		
Scientific Ses	ssion – ELSI (Inform Consent and Secondary Finding)	
Moderator: W	/uttichart Kamolvisit (Chulalongkorn University, Thailand)	
14.00-15.00	Panel Discussion: When the Genome Speaks Twice: Ethical Implications of Secondary Findings in Genetic Testing Prasit Phowthongkum (Chulalongkorn University, Thailand)	
	Thanyachai Sura (Mahidol University, Thailand)	
	Parith Wongkittichote (Mahidol University, Thailand)	
	Wuttichart Kamolvisit (Chulalongkorn University, Thailand)	
15.00-15.30	Break	
15.30-16.00	Moderator: Wuttichart Kamolvisit (Chulalongkorn hospital, Thailand)	
	Panel Discussion: Informed Consent in the Age of Complexity: Ethics and Challenges Jakris Eu-ahsunthornwattana (Mahidol University, Thailand)	
	Wuttichart Kamolvisit (Chulalongkorn University, Thailand)	
16.00-16.15	Sponsorship Certificate	
16.15-16.30	Closing Ceremony	

End of Day 3