



# Inaugural Meeting of HGP2 Rare Disease Alliance of Asia-Pacific Region

Sponsors: BGI MGI BGI  HaploX 

## Program of the HGP2 RaDiAance - APAC Inaugural Meeting

**Date:** May 10, 2026

**Venue:** Spectrum & Prism, Level 3A, Nexus, Bangsar South City, Malaysia.

**Theme:** Advancing Care, Building Capacity: Rare Disease Collaboration in Asia-Pacific

May 10, 2026		
08:30-09:00	Registration	All
09:00-09:10	Opening Ceremony and Speech	Jeremy Sujie CAO (APAC Regional General Manager, BGI Group; HGP2 RaDiAance - APAC Secretariat)
Session I		
Moderator: Jeremy Sujie CAO		
09:10-09:20	Welcoming Remarks by the BGI Representative	Dr. Yong HOU (CEO of BGI Genomics)
09:20-09:30	Keynote Speech: Policy Pathways for Precision Health: Enhancing Early Diagnosis through AI and Advanced Technologies.	YBhg. Datuk Dr. Nor Fariza Binti Ngah (Deputy Director-General of Health, Ministry of Health, Malaysia)
09:30-09:45	Opening Address by the Representative from Malaysia	Prof. Dr. THONG Meow Keong (Professor at Universiti Tunku Abdul Rahman; Visiting Consultant)

		Clinical Geneticist at University Malaya Medical Centre)
09:45-10:00	Opening Address by the Representative from Malaysia	Prof. Dr. Zilfalil BIN ALWI (Professor of Medical Genetics; Senior Consultant Pediatrician at Universiti Sains Malaysia (USM))
10:00-10:05	Official Launch Ceremony	Jeremy Sujie CAO
10:05-10:10	Group Photo	All
Coffee & Tea Break		
<b>Session II</b> <b>Advancing Rare Disease Prevention &amp; Diagnosis: Clinical and Genomics Approaches Across Countries (I)</b>		
Moderator: Prof. Dr. THONG Meow Keong		
10:20-10:40	Diagnosis of Rare Diseases: from Conventional Approach to Genomic Technology Approach.	Prof. Dr. Thanyachai SURA (Professor of Medicine, Ramathibodi Hospital, Mahidol University)
10:40-11:00	Malaysia's Journey in Rare Disease Diagnosis through Clinical and Genomic Integration: Emerging Challenges and Opportunities.	Dr. TAE Sok Kun (Clinical Geneticist and Senior Lecturer at University of Malaya)
11:00-11:20	Expanding Beyond Genomics in Rare Disease: Incorporation of Multi-omics in Genetic Diagnostics.	Prof. Dr. Brian Hon-Yin CHUNG (Clinical Associate Professor at the University of Hong Kong)
11:20-11:40	Rare-Disease Diagnosis in Post-Genomic Era: Current Situation and Way Forward.	Dr. Muhammad Jawad HASSAN (Medical Geneticist at Shifa International Hospital; Professor of Biosciences at Shifa Tameer-e-Millat University)
11:40-12:00	Long Reads & Short Reads Technology in RDs diagnosis.	Dr. Jiale XIANG (Vice General Manager of Product Center, BGI Genomics)
<b>Session III</b> <b>Enabling Rare Disease Diagnosis through Genomic Technologies and AI</b>		
Moderator: Dr. TAE Sok Kun		

12:00-12:20	Challenges and Opportunities in Rare Disease Diagnosis Using Genomics and AI in LMIC Settings: The Indonesian Perspective.	Dr. Ludi Dhyani RAHMARTANI (Pediatric Specialist at Universitas Indonesia; Cipto Mangunkusumo Hospital)
12:20-12:40	Diagnosis of Rare Inherited Metabolic Disorders: Next-Generation Sequencing and AI-Driven Automated Variant Interpretation and Reporting.	Dr. Ngoc Lan NGUYEN (Genomic Researcher at Hanoi Medical University)
12:40-13:00	Advancing Rare Disease Diagnosis with Explainable AI-Driven Genomic Interpretation	Dr. Shuqian YE (AI Algorithm Specialist at BGI Genomics)
Lunch Break & Prayer Session		
<b>Session IV</b> <b>Advancing Rare Disease Prevention &amp; Diagnosis: Clinical and Genomics Approaches Across Countries (II)</b>		
Moderator: Prof. Dr. Zilfalil BIN ALWI		
14:00-14:20	Rare Diseases in Nepal: Advocacy, Diagnosis, and Future Directions.	Dr. Rupesh MISHRA (Head of the Molecular Laboratory at Civil Service Hospital, Kathmandu)
14:20-14:40	High efficiency of thalassemia prevention by next-generation sequencing: A prospective study based on hospital population in Yunnan, China	Prof. Dr. Baosheng ZHU (Director of the Genetic Diagnosis Center at Yunnan First People's Hospital; Professor at Kunming University of Science and Technology, China)
14:40-15:00	Challenges in the Clinical Application of Carrier Screening: Experience from Chongqing, China.	Dr. Xin PAN (Associate Chief Physician and Director of the Prenatal Diagnosis Center at the Second Affiliated Hospital of Chongqing Medical University)
15:00-15:20	Genotype and Phenotype Driven Genomic Analysis for Rare Disease, Thailand Experiences.	Dr. Rungroj THANGPONG

		(Medical Geneticist at Chulalongkorn University; King Chulalongkorn Memorial Hospital)
<b>Session V</b> <b>From Diagnosis to Impact: Strengthening Rare Disease Care Through Public Health and Clinical Innovation</b>		
<b>Moderator:</b> <b>Prof. Dr. Zilfalil BIN ALWI</b>		
15:20-15:40	Bridging Diagnosis and Care for Rare Diseases in the Philippines.	Prof. Dr. Eva Maria C. CUTIONGCO-DE LA PAZ (Professor of Pediatrics and Genetics at the University of the Philippines Manila)
15:40-16:00	From EBMT to ASH: TDH Is Turning “Thalassemia Eradication” into Reality.	Prof. Dr. Jianyun LIAO (Chief Physician at GoBroad Chunfu Institute of Hematology & Oncology)
16:00-16:20	Rare Diseases in Cambodia: From Delayed Diagnosis to Public Health Action.	Prof. Dr. CHEAN Sophal (Director of the Hemophilia Treatment Center at the National Pediatric Hospital)
16:20-16:40	Bridging Diagnosis to Public Health Impact: Rare Disease Strategies in India and the Role of Genomics.	Dr. Pawan UPADHYAY (Genomics Scientist at Lilac Insights, India)
Coffee/ Tea Break & Prayer Session		
<b>Session VI</b> <b>Towards Collaborative and Equitable Rare Disease Care in APAC</b>		
<b>Moderator:</b> <b>Jeremy Sujie Cao</b>		
17:00-18:20	Roundtable Discussion	<b>Host:</b> Jeremy Sujie CAO <b>Discussants:</b> Prof. Dr. LIM Soo Kun Dr. Rosnawati YAHYA Dr. Adiratna MAT RIPEN Prof. Dr. Thanyachai SURA Dr. Ludi Dhyani RAHMARTANI Prof. CHEAN Sophal

		Dr. DO Phuoc Huy Dr. Muhammad Jawad HASSAN
18:20-18:25	Closing Remarks	Jeremy Sujie CAO
18:25-18:30	Closing Ceremony and Group Photo	All
20:00	Dinner Reception	All