

Asia-Pacific Conference on Human Genetics 2019
Advancing Translational Medicine and Collaborations in Genomics
November 6-9, 2019 Makati Shangri-La Manila

Scientific Program as of 25 June 2019

04 NOVEMBER 2019, MONDAY

PRE-CONFERENCE WORKSHOPS (AS OF 20 JUNE 2019)

TIME	PROGRAM
8:00 AM 5:00PM	NBS WORKSHOP DAY 1

05 NOVEMBER 2019, TUESDAY

PRE-CONFERENCE WORKSHOPS (AS OF 20 JUNE 2019)

TIME	PROGRAM
8:00 AM 5:00PM	NBS WORKSHOP DAY 2
8:00AM 6:00PM	WELLCOME GENOME CAMPUS DAY 1: NGS ANALYSIS FOR GENETIC DISEASES

06 NOVEMBER 2019, WEDNESDAY

PRE-CONFERENCE WORKSHOPS (AS OF 20 JUNE 2019)

TIME	PROGRAM
8:00AM 5:00PM	WELLCOME GENOME CAMPUS DAY 2: NGS ANALYSIS FOR GENETIC DISEASES
8:00AM 5:00PM	3RD GENETIC COUNSELING PRECONFERENCE WORKSHOP
8:00AM 5:00PM	4TH ASEAN CONGRESS ON MEDICAL BIOTECHNOLOGY AND MOLECULAR BIOSCIENCES: <i>EMERGING ISSUES ON HEMOGLOBINOPATHIES IN THE ASIA PACIFIC REGION</i>

5:00PM 7:00PM	APSHG BOARD MEETING
7:00PM 9:00PM	COCKTAIL RECEPTION FOR INVITED SPEAKERS

APCHG 2019 Program as of 20 June 2019
07 NOVEMBER 2019, THURSDAY
CONFERENCE DAY 1

TIME	PROGRAM
7:30AM 8:30AM	REGISTRATION
8:30AM 9:30AM	OPENING CEREMONIES
9:30AM 10:00AM	OPENING OF EXHIBITS COFFEE BREAK
10:00AM 11:00AM	KEYNOTE PLENARY Two Tales of Translational Genomics: Pediatric Genetics and Inherited Breast and Ovarian Cancer <i>Speaker : Mary-Claire King (USA)</i>
11:00AM 11:30AM 11:30AM 12:00PM	GLOBAL PERSPECTIVES IN GENOMICS AND MEDICINE: AN APSHG-HUGO PLENARY SESSION Precision Medicine: Making Sense of DNA Variants <i>Speaker : Charles Lee (South Korea)</i> Oncogenomics: Closing the Cancer Gap <i>Speaker to be Confirmed</i>
12:00PM 1:00PM	LUNCHEON SYMPOSIUM INDUSTRY SPONSORED : PERKIN ELMER
1:00PM 2:00PM	POSTER SESSION 1 VISIT TO EXHIBITS
2:00PM 3:30PM	SIMULTANEOUS SYMPOSIUM 1 Genetic Risk Assessment and Counseling in the Era of Genomics <ol style="list-style-type: none"> 1. Genetic Counseling for Cancer: When Somatic Tumor Testing and Germline Mutations Meet <i>Speaker : Mercy Laurino (USA)</i> 2. Facilitating Cascade Family Testing: Challenges And Prospects in an Under Resource Region <i>Speaker : Breana Cham (Singapore)</i> 3. Common Ethical Issues in Genetics and Genomics: A Clinic Based Experience <i>Speaker: Stephen Lam (Hong Kong)</i> 4. Paper from selected abstracts 5. Paper from selected abstracts

<p>2:00PM 3:30PM</p>	<p>SIMULTANEOUS SYMPOSIUM 2 Revolutionizing Newborn Screening: New Developments and New Dilemmas</p> <ol style="list-style-type: none">1. Genomic Sequencing of Newborns <i>Speaker : Carmencita D. Padilla (Philippines)</i>2. Newborn Screening Beyond Metabolic Disorders: Successes and Challenges in Introducing New Tests <i>Speaker : Veronica Wiley (Australia)</i>3. Newborn Screening for LSDs: Current Status and Future Directions <i>Speaker : Nancy Chien (Taiwan)</i> <p><i>Free Papers:</i></p> <ol style="list-style-type: none">4. CF Mutations in East Asian Population <i>Speaker: Gerard Pals (Netherlands)</i>5. Newborn Screening for Lysosomal Storage Disorders: Comparing Performance of Tandem Mass Spectrometry and Digital Microfluidics Platforms <i>Speaker : Bradford Therrell (USA)</i>
<p>2:00PM 3:30PM</p>	<p>SIMULTANEOUS SYMPOSIUM 3 Prenatal Genetics: How Genetic Technologies Are Shaping Reproductive Decision-Making</p> <ol style="list-style-type: none">1. Cytogenomic Array and Prenatal Applications: Diagnostic and Counselling Issues <i>Speaker : Brian Chung (Hong Kong)</i>2. Prenatal Genetic Screening: Current Guidelines and Recommendations <i>Speaker: Juliana Lee (Malaysia)</i>3. Incidental Detection of Maternal Abnormalities in Noninvasive Prenatal Testing <i>Speaker: Kathy Leppig (USA)</i>4. <i>Paper from selected abstracts</i>5. <i>Paper from selected abstracts</i>

2:00PM 3:30PM	SIMULTANEOUS SYMPOSIUM 4 ACMBMB Hemoglobinopathies: Advances in Diagnosis and Innovative Therapeutics 1. Novel Screening for Thalassemia by NGS <i>Speaker: L Chen Ping (China)</i> 2. Diagnosis and Classification of Non-transfusion Dependent Thalassemias <i>Speaker: Vip Viprakasit (Vietnam)</i> 3. Gene Therapy for Thalassemia: Discoveries in the New Millennium <i>Speaker: Suthat Fucharoen (Thailand)</i> 4. Global Globin 2020: Asian Perspective <i>Speaker: Zilfalil Alwi (Malaysia)</i>
3:30PM 4:00PM	COFFEE BREAK VISIT TO EXHIBITS
4:00PM 5:30PM	SIMULTANEOUS SYMPOSIUM 5 Advances in the Diagnosis and Therapy of Inherited Metabolic Diseases 1. Inherited Amino Acid and Organic Acid Disorders: Systemic Evaluation and Therapeutic Options <i>Speaker: Joy Lee (Australia)</i> 2. Fatty Acid Oxidation Disorders: Latest Therapeutic Strategies <i>Speaker: MK Thong (Malaysia)</i> 3. Broadening the Phenotypes of Inherited Metabolic Diseases: New Discoveries Through WES <i>Speaker: John Christodoulou (Australia)</i> 4. Autologous transplantation with genetically edited stem cells for IEM: Pitfalls and possibilities <i>Speaker: Gerard Pals (Netherlands)</i>

<p>4:00PM 5:30PM</p>	<p>SIMULTANEOUS SYMPOSIUM 6 Discerning the Phenotypes of Genetic Disorders Through Next Generation Sequencing</p> <ol style="list-style-type: none"> 1. Whole Genome Sequencing in Severe Intellectual Disability <i>Speaker to be Confirmed</i> 2. Next Generation Sequencing: Efficient Tool for the Diagnosis of Rare Genetic Syndromes <i>Speaker : Lai Poh San (Singapore)</i> 3. Targeted Sequencing for Skeletal Dysplasia: Paving the Way for Gene Discoveries <i>Speaker : David Sillence (Australia)</i> 4. Pre and Postanalytical Challenges of NGS: Time for Solutions <i>Speaker to be Confirmed</i>
<p>4:00PM 5:30PM</p>	<p>SIMULTANEOUS SYMPOSIUM 7 Population Genetics: Genetic Migration in Asia: From Patterns to Predictions</p> <ol style="list-style-type: none"> 1. Indonesia <i>Speaker : Herawati Sudoyo</i> 2. Philippines <i>Speaker : Frederick C. Delfin</i> 3. Malaysia <i>Speaker to be Confirmed</i> 4. Population Genetics Studies in China in the Context of Precision Medicine <i>Speaker: Xu Shuhua (China)</i>
<p>4:00PM 5:30PM</p>	<p>SIMULTANEOUS SYMPOSIUM 8 ACMBMB Hemoglobinopathies</p> <ol style="list-style-type: none"> 1. Stem Cell-based Therapies in Thalassemias <i>Speaker: Meghan Foe (USA)</i> 2. Point of Care Testing for Hemoglobinopathies with focus on Thalassemias <i>Speaker: Carolyn Hoppe (USA)</i> 3. Paper from selected abstracts 4. Paper from selected abstracts
<p>6:00PM 7:30PM</p>	<p>APSHG BIENNIAL MEETING (MEMBERS ONLY)</p>

08 NOVEMBER 2019, FRIDAY (AS OF 20 JUNE 2019)
CONFERENCE DAY 2

TIME	PROGRAM
7:30AM 8:30AM	<p>iGNiTE Sessions: Genomic Networking and Training with the Experts (UNDIAGNOSED INTERESTING CASES) Maximillian Muenke (USA)</p>
8:30AM 10:00AM	<p>SIMULTANEOUS SYMPOSIUM 9 Elucidating the Genetics of Complex Diseases: Where Are We Now?</p> <ol style="list-style-type: none"> 1. Clinical Testing for Hereditary Cancer Genes by Next Generation Sequencing <i>Speaker: Benjamin Roa (USA)</i> 2. Integrating Multi-Omics Data for Diabetes Mellitus: Outcomes and Challenges <i>Speaker : Mark Seielstad (USA)</i> 3. The Promise of Precision Medicine: Molecular Profiling of Neuroendocrine Tumors and Its Clinical Potential <i>Speaker : Thanyachai Sura (Thailand)</i> 4. Tissue Chips in Space: The Role of Microgravity on Human Health and Disease <i>Speaker: Danilo A. Tagle (USA)</i>
8:30AM 10:00AM	<p>SIMULTANEOUS SYMPOSIUM 10 Understanding Future Trends of Metagenomics, Proteomics and Metabolomics</p> <ol style="list-style-type: none"> 1. Diagnostic Metagenomics: Applications in the Diagnosis of Human Infections <i>Speaker : Martin Hibberd (UK)</i> 2. Asian Microbiome Project: Strains, Functions and Dynamics <i>Speaker : Leslie Dalmacio (Philippines)</i> 3. Integrative Genomics for Brain Migration Defects: The New Frontier <i>Speaker: Maximillian Muenke (USA)</i> 4. <i>Paper from selected abstracts</i> 5. <i>Paper from selected abstracts</i>

<p>8:30AM 10:00AM</p>	<p>SIMULTANEOUS SYMPOSIUM 11 Solving the Brain Enigma: The Value of Genomics in Neuropsychiatric Disorders</p> <ol style="list-style-type: none"> 1. Peripheral Gene Expression in Autism Spectrum Disorders <i>Speaker: Richard P. Ebstein (Israel)</i> 2. Brain-on-a-Chip: Human Induced Pluripotent Stem Cells (hiPSCs) as An Ex-vivo Tool for Genetic Classification and Personalized Medicine <i>Hans van Bokhoven (Netherlands)</i> 3. Paper from selected abstracts 4. Paper from selected abstracts
<p>8:30AM 10:00AM</p>	<p>SIMULTANEOUS SYMPOSIUM 12 Disorders of Sexual Development: Integrating Clinical and Genetic Approaches</p> <ol style="list-style-type: none"> 1. Evaluation of Disorders of Sexual Development: Existing Practices and Novel Gene Breakthroughs <i>Speaker: Dung Vu Chi (Vietnam)</i> 2. Differences of Sex Development (DSD): Pivotal Role of Laboratory Genomics in its Diagnosis, Management and Medical Education <i>Speaker : Ina Amarillo (USA)</i> 3. Gender Assignment and Counseling for Disorders of Sexual Development <i>Speaker : Sultana Faradz (Indonesia)</i> 4. Paper from selected abstract 5. Paper from selected abstract
<p>10:00AM 10:30AM</p>	<p>COFFEE BREAK VISIT TO EXHIBITS</p>
<p>10:30AM 12:00PM</p>	<p>SIMULTANEOUS SYMPOSIUM 13 Lysosomal Storage Diseases: Towards an End to Diagnostic Odyssey and Improvement in Care</p> <ol style="list-style-type: none"> 1. Clinical Variations in Gaucher Disease: The Effects of Genetic Modifiers <i>Speaker: (JPAC Speaker)</i> 2. Emerging Insights: <ol style="list-style-type: none"> a. Screening and Treatment of MPS <i>Speaker: Dung Vu Chi (Vietnam)</i> b. Diagnosis and Treatment of Gaucher <i>Speaker: Damayanti Rusli Sjarif (Indonesia)</i> 3. Inherited Metabolic Diseases and Expanded Newborn Screening: A Siriraj Excellence Center Experience <i>Speaker: Pornswan Wasant (Thailand)</i>

10:30AM 12:00PM	<p>SIMULTANEOUS SYMPOSIUM 14 Omics Technologies for Health: A PCHRD-Sponsored Symposium</p> <ol style="list-style-type: none"> 1. Quantitative Molecular Signatures and Predictors of Leptospirosis and the Development of its Complications Using Gene Expression Markers and Pathway Analyses <i>Speaker: Jose B. Nevado Jr. (Philippines)</i> 2. Genetic Susceptibility to SLE Among Filipinos <i>Speaker: Michael L. Tee (Philippines)</i> 3. Genetic Susceptibility to Cardiovascular Disease Among Filipinos <i>Speaker: Eva Maria Cutiongco-de la Paz (Philippines)</i> 4. Vitamin D Receptor Mutations and Fragility Fractures <i>Speaker: Cynthia P. Saloma (Philippines)</i>
10:30 AM 12:00 PM	<p>SIMULTANEOUS SYMPOSIUM 15 The Emerging Role of Enhancers in Gene Regulation: A RIKEN Sponsored Symposium</p> <ol style="list-style-type: none"> 1. Overview of the Enhancerome Discovered in the FANTOM <i>Speaker: Yoshihide Hayashizaki (10:30am-10:45am)</i> 2. Novel NET-CAGE Technology Reveals the Dynamics and Topology of Human Cis-Regulatory Elements <i>Speaker: Yasuhiro Murakawa (10:45am-11:30am)</i> 3. Variation and Evolution of <i>Shh</i> Enhancers <i>Speaker: Toshihiko Shiroishi (11:30am-12:00pm)</i>
10:30AM 12:00PM	<p>SIMULTANEOUS SYMPOSIUM 16 TBA</p>
12:00PM 12:30PM	<p>VISIT TO EXHIBITS</p>
12:30PM 1:30PM	<p>LUNCHEON SYMPOSIUM INDUSTRY SPONSORED : GENZYME Common and Uncommon Symptoms , Diagnosis and Management Challenges in Pompe Disease <i>Speaker: Dr. Mamta Muranjan (India)</i> Revisiting Current Consensus on the Diagnosis and Treatment of Pompe Disease <i>Speaker: Dr. Kanya Suphapeetiporn (Thailand)</i></p>
1:30PM 2:30PM	<p>VISIT TO EXHIBITS</p>

2:30PM 3:15PM	PLENARY SESSION 3 A Paradigm for Precision Public Health : Right Intervention at the Right Time <i>Speaker: Tarun Weeramanthri (Australia)</i>
3:15PM 4:00PM	PLENARY SESSION 4 Organs on Chip: Microphysiological Systems to Advance Therapies for Rare Diseases and for Precision Medicine <i>Speaker: Danilo A. Tagle (USA)</i>
4:00PM 4:45PM	PLENARY SESSION 5 Rare Are Common: How Rare Diseases Reveal Molecular Pathways for Common Disorders <i>Speaker: Bruno Reversade (Singapore)</i>
4:45PM 6:00PM	BEST POSTER PRESENTATIONS COFFEE BREAK AND VISIT TO EXHIBITS
6:00PM 8:30PM	FELLOWSHIP NIGHT

09 NOVEMBER 2019, SATURDAY (AS OF 20 JUNE 2019)
CONFERENCE DAY 3

TIME	PROGRAM
7:30AM 8:30AM	iGNITE Sessions: Genomic Networking and Training with the Experts (Skeletal dysplasias) <i>David Sillence (Australia)</i>
8:30AM 9:15AM	PLENARY SESSION 6 Craniofacial Phenotyping in Diverse Populations: Insights from the Asian Populace <i>Speaker : Maximillian Muenke (USA)</i>
9:15AM 10:00AM	PLENARY SESSION 7 Gearing Up for the Phenomics Era <i>Speaker: Li Jin (China)</i>
10:00AM 11:00AM	POSTER SESSION 3 COFFEE BREAK VISIT TO EXHIBITS
11:00AM 11:45AM	CLOSING PLENARY Clinical and Ethical Implications of <i>CRISPR</i> Therapies <i>Speaker : Kelly E. Ormond (USA)</i>
12:00PM 1:00PM	LUNCHEON SYMPOSIUM INDUSTRY SPONSORED : ILLUMINA
1:00PM 1:300PM	CLOSING CEREMONIES
3:00PM 6:00PM	TOUR OF INTRAMUROS FOR INVITED SPEAKERS (TICKETED EVENT)