

2026 | TAIPEI
TAIWAN OCT
02-04

ASCPaLM[&]
APCTIBT

The 19th Asian Society of Clinical
Pathology and Laboratory Medicine
Congress 2026, ASCPaLM

Asia Pacific Conference of Transplantation
Immunogenetics and Blood Transfusion
2026, APCTIBT

International Laboratory Medicine
& Biotechnology Innovation Joint Exhibition

***Crossing the Border: Perspectives of
Laboratory Medicine in the AI Era***

DAILY PROGRAM



ASCPaLM 2026 Daily Program

10/2/2026

ASCPaLM 2026 Laboratory Visit (Pre-Registration Required)

Participating Hospitals:

- **Far Eastern Memorial Hospital (FEMH)**
Time: 11:00–12:00 & 14:00–15:00
- **Linkou Chang Gung Memorial Hospital (CGMH)**
Time: 14:00–15:00

10/3/2026

Opening Ceremony

Time: 08:00-08:30
Room: 101, 1F

Plenary 1 TSCPALM-ADLM

Time: 08:30-09:00
Room: 101, 1F

Chair (s): Chien-Feng Sun (Taiwan)

IS-PL-01 **Crossing the Border: Perspectives of Laboratory Medicine in the AI Era**
Tze-Ping Loh (Singapore)

Session 1: Implementation of Artificial Intelligence in Laboratory Medicine

Time: 09:00-10:30
Room: 101, 1F

Chair (s): Hung-Sheng Shang (Taiwan)
Busadee Pratumvinit (Thailand)

IS-S1-01 **Implementation of Artificial Intelligence in Laboratory Medicine – Patient-based Quality Control**
Busadee Pratumvinit (Thailand)

IS-S1-02 **Using AI to Automate Bone Marrow Differential Counting and Facilitate Homogeneous Reporting**
Joe Yeh (Taiwan)

IS-S1-03 **Implementation of Artificial Intelligence in Laboratory Medicine**
Hung-Sheng Shang (Taiwan)

Session 3: Advances in Precision Medicine

Time: 09:00-10:30
Room: 102, 1F

Chair (s): Kich Aungvitulsatit (Thailand)
Chin-An Yang (Taiwan)

IS-S3-01	Challenges in Clinical Interpretation of Genetic Variants in Germline and Somatic Diseases Chin-An Yang (Taiwan)
IS-S3-02	The Next Leap in Thailand's Healthcare System: Transitioning from Traditional Cancer Screening to Liquid Biopsy Technology Kich Aungvitulsatit (Thailand)
IS-S3-03	AI-Powered Multi-Omic ctDNA Analysis for Multi-Cancer Early Detection: From Laboratory Development to Real-World Clinical Practice in Asia Tran Le Son (Vietnam)

Session 5: Transfusion Medicine in Disasters	
Time: 09:00-10:30 Room: 103, 1F	
Chair (s):	Hsin-Chung Lin (Taiwan)
IS-S5-01	Prehospital Transfusion (Online Steaming) Mark Yazer (United States of America)
IS-S5-02	Low-Titer Group O Whole Blood in Hemorrhagic Shock: Why Whole Blood Is Returning Yi Lin (Taiwan)

Session 2: Presidential Lecture	
Time: 11:00-12:30 Room: 101, 1F	
Chair (s):	Fang-Yeh Chu (Taiwan)
IS-S2-01	Challenges in Artificial Intelligence (AI)-Driven Laboratory Medicine in Japan Hiroaki Onishi (Japan)
IS-S2-02	From Precision Medicine Research to Translational Biotechnology: Integrating Molecular Diagnostics, Mitochondrial Biology, and Clinical Innovation Myung-Geun Shin (Republic of Korea)
IS-S2-03	From Vein to Algorithm: Building Smart Transfusion Medicine in the AI Era - An Asian Perspective Teguh Triyono (Indonesia)

Session 4: Laboratory Developed Tests (LDTs): Regulations, Implementation, and Validation	
Time: 11:00-12:30 Room: 102, 1F	
Chair (s):	Chi-Kuan Chen (Taiwan) Chee Leong Cheng (Singapore)
IS-S4-01	Analytical and Clinical Validation Requirements for NGS-Based Tests Chee Leong Cheng (Singapore)
IS-S4-02	Taiwan's LDTs Landscape: Regulatory Compliance, MTB Integration, and RWE-Driven Therapeutic Innovations Chi-Kuan Chen (Taiwan)
IS-S4-03	Current Status and Regulation of LDT Testing in South Korea Sang-Hoon Song (Republic of Korea)

Session 6: Symposium (Sponsored by Beckman Coulter Inc.)	
Time: 11:00-12:30 Room: 103, 1F	
Chair (s):	Jen-Shiou Lin (Taiwan)
SP-S6-01	Revolutionizing Alzheimer's Diagnosis: The p-Tau217/Aβ42 Ratio in Asia Pacific Edward Chi-Yu Wang (United States of America)
SP-S6-02	Beyond PSA: The Role of PHI in Prostate Cancer Risk Stratification and Diagnosis Shang-Ju Hsieh (Taiwan)

Lunch Symposium (Sponsored by Roche Diagnostics Ltd, Taiwan)	
Time: 12:30-13:30 Room: 101, 1F	
Chair (s):	Cheng-Hsi Liao (Taiwan)
IS-LS-01	Clinical Applications of CT/NG/MG Rapid Molecular Testing Ya-Yen Yu (Taiwan)

TSBT General Assembly	
Time: 12:30-13:30 Room: 102, 1F	

Plenary 2 TSCPALM-CAP	
Time: 13:30-14:00 Room: 101, 1F	
Chair (s):	Bai-Hsiun Chen (Taiwan)
IS-PL-02	Artificial Intelligence in Digital Pathology: From Vision to Clinical Transformation Chee Leong Cheng (Singapore)

Session 7: Asia Session: Education, Recruitment, and Retention Strategies for the Laboratory Medicine Workforce	
Time: 14:00-15:30 Room: 101, 1F	
Chair (s):	Tzong-Shi Chiueh (Taiwan) Toshiyuki Yamada (Japan)
IS-S7-01	Strengthening Laboratory Medicine in Thailand Kanit Reesukumal (Thailand)
IS-S7-02	Medical Laboratory Professionals in Japan: Present and Future Toshiyuki Yamada (Japan)
IS-S7-03	Education, Recruitment, and Retention Strategies for the Laboratory Medicine Workforce in Mongolia Oyundelger Munkhtuvshin (Mongolia)
IS-S7-04	Laboratory Medicine Resident Training in Korea: Current Status and Future Directions Myung-Hyun Nam (Republic of Korea)

IS-S7-05	Strengthening Indonesia's Laboratory Medicine Workforce: Education, Recruitment, and Retention Tonang Dwi Ardyanto (Indonesia)
IS-S7-06	The Whole Spectrum of Education and Training for Clinical Pathology in a Tertiary Hospital Tzong-Shi Chiueh (Taiwan)

Session 9: Minimal Residual Disease (MRD)	
Time: 14:00-15:30 Room: 102, 1F	
Chair (s):	Wen-Chien Chou (Taiwan) Hung-Wen Tsai (Taiwan)
IS-S9-01	Redefining MRD Detection in AML: The Power of NGS with SOPHiA DDM™ RAM Solution Takeshi Sumida (Switzerland)
IS-S9-02	The Detection and Significances of MRD in AML– Focusing on NPM1 Mutations Wen-Chien Chou (Taiwan)
IS-S9-03	Comparison of High-Sensitive Flow Cytometry and Real-Time PCR for Measurable Residual Disease Detection in Philadelphia Chromosome-Positive Acute Lymphoblastic Leukemia: A Single Center Real-World Experience Hung-Wen Tsai (Taiwan)

Session 11: Clinical and Laboratory Perspectives on Allergen-Related, Endocrine and Metabolic Disorders	
Time: 14:00-15:30 Room: 103, 1F	
Chair (s):	Jen-Shiou Lin (Taiwan) Tjin-Shin Jap (Taiwan)
IS-S11-01	Neuroendocrine Tumor in Asian Country Tjin-Shin Jap (Taiwan)
IS-S11-02	Allergen Testing: State of the Art and Beyond Chun-Min Kang (Taiwan)
IS-S11-03	Precision Allergy Diagnosis via Component-Resolved Diagnostics Kuo-Tung Tang (Taiwan)

ASCPaLM Board & Council Meeting (For Board & Council Members Only)	
Time: 15:30–16:00 Room: 202B, 2F	

Session 8: Microbiology	
Time: 16:00-17:00 Room: 101, 1F	
Chair (s):	Chao-Ju Chen (Taiwan) Lee H. Hilborne (United States of America)

IS-S8-01	The Role of Gut Microbiome in Colorectal Cancer, Pathophysiology and Algorithm of Laboratory Detection Ida Parwati (Indonesia)
IS-S8-02	Recommendations for the Clinical Application of Metagenomic Next-Generation Sequencing (mNGS) in Identifying Pathogens of Infectious Diseases Feng-Yee Chang (Taiwan)
IS-S8-03	The Imperative for Evidence-Driven Laboratory Stewardship to Guide Patient Care Lee H. Hilborne (United States of America)

Session 10: Cell Therapy	
Time: 16:00-17:30 Room: 102, 1F	
Chair (s):	Sheng-Hsuan Chien (Taiwan)
IS-S10-01	Precision Platelet-Derived Biotherapies for Neuroregenerative Medicine Thierry Burnouf (Taiwan)
IS-S10-02	Advancing Precision Immunotherapy: Laboratory and Clinical Innovations in Neoantigen and CAR T-Cell Platforms Nattiya Hirankarn (Thailand)
IS-S10-03	Neurodegeneration: From Mechanisms to Precision Diagnosis and Therapies Ching-Chi Chiu (Taiwan)

Session 12: Symposium (Sponsored by Thermo Fisher Scientific)	
Time: 16:00-17:30 Room: 103, 1F	
Chair (s):	Chien-Feng Sun (Taiwan)
SP-S12-01	From Data to Decision: A Risk-Based Approach to Laboratory Quality Control Chi-Kuan Chen (Taiwan)
SP-S12-01	Quality Matters: Ensuring Reliable Results in Molecular Diagnostics Chi-Kuan Chen (Taiwan)

Gala Dinner (Pre-Registration Required)	
Time: 19:00-21:00 Venue: Banquet Hall II, Grand Hyatt Taipei 3F	

10/4/2026

Plenary 3 TSBT-Japanese Red Cross Society	
Time: 08:30-09:00 Room: 101, 1F	
Chair (s):	Shyh-Chyi Lo (Taiwan)
IS-PL-03	Sustainability and Resilience of Blood Services in the Face of Population Decline Nelson Hirokazu Tsuno (Japan)

Session 13: Patient Blood Management (PBM)	
Time: 09:00-10:30 Room: 101, 1F	
Chair (s):	Shin-Yi Tsai (Taiwan)
IS-S13-01	The Malaysian PBM Experience: Translating Global Standards into a Sustainable National Framework Intan Illiana (Malaysia)
IS-S13-02	From Blood Transfusion to Blood Health - How can Patient Blood Management integrate into our healthcare system to benefit patients? Cheuk-Kwong Lee (Hong Kong)
IS-S13-03	Thromboelastometry-Guided Transfusion and Hemostatic Therapy in Major Cardiac Surgery Yu Lin (Taiwan)

Session 15: Cancer and Pathogen Screen	
Time: 09:00-10:30 Room: 102, 1F	
Chair (s):	Shu-Hsing Cheng (Taiwan) Pedrito Tagayuna (Philippine)
IS-S15-01	Screening and Counselling of Sexually Transmitted Infections: An Update Shu-Hsing Cheng (Taiwan)
IS-S15-02	From Validation to Routine Practice: Expanding Access to Comprehensive CT/NG Screening Through Pooled Specimen Testing on the Panther Platform at Pribta Tangerine Clinic, IHRI, Thailand Rapee Trichavaroj (Thailand)
IS-S15-03	Cancer Screening in the Philippines: The Laboratory Medicine Perspective Pedrito Tagayuna (Philippine)

Session 17: Mass Spectrometry	
Time: 09:00-10:30 Room: 103, 1F	
Chair (s):	Yu-Hua Chao (Taiwan) Yi-Ching Lin (Taiwan)
IS-S17-01	Case-Triggered LC-MS/MS Screening of Anticoagulant Rodenticides in Unexplained Coagulopathy Yen-Chao Mao (Taiwan)
IS-S17-02	From Bench to Bedside: Mass Spectrometry for Antiepileptic Drug Monitoring and Its Clinical Impact Chia-Ni Lin (Taiwan)
IS-S17-03	From Spectra to Clinical Intelligence: Mass Spectrometry for Drug Abuse Testing in the AI Era Yi-Ching Lin (Taiwan)

Session 14: Education and Training in Transfusion Medicine	
Time: 11:00-12:30 Room: 101, 1F	
Chair (s):	Dong-Tsamn Lin (Taiwan)
IS-S14-01	From First Donation to Lifelong Commitment: Building Donor Loyalty in Australia (Online Streaming) Cath Stone (Australia)
IS-S14-02	Blood Services in Transition: Meeting Patient Needs Through Innovation and Adaptation Sarah Morley (New Zealand)
IS-S14-03	Toward Safer Transfusion Practice: Development of Taiwan's National Transfusion Medicine Specialist Certification Program Tzong-Shi Chiueh (Taiwan)

Session 16: Symposium (Sponsored by Hologic Taiwan Ltd)	
Time: 11:00-12:30 Room: 102, 1F	
Chair (s):	Rapee Trichavaroj (Thailand) Paul Robert Grant (United Kingdom)
SP-S16-01	Leveraging Molecular Diagnostics for Infectious Disease Testing: Real-World Experience from a High-Volume Reference Laboratory Paul Robert Grant (United Kingdom)
SP-S16-02	Diagnostic Technologies in Sexually Transmitted Infections (STIs) and Delivery Strategies: Lessons Learned from Pribta Tangerine Clinic, Thailand Rapee Trichavaroj (Thailand)

Session 18: Symposium (Sponsored by Werfen Taiwan Limited)	
Time: 11:00-12:30 Room: 103, 1F	
Chair (s):	Ajay Gandhi (India)
SP-S18-01	Practice Algorithm of Rotational Thromboelastometry-Guided Patient Blood Management in Taiwan Chueng He Lu (Taiwan)
SP-S18-02	Goal-Directed Bleeding Management: Principles, Evidence, and Practical Clinical Applications in Patient Blood Management Ajay Gandhi (India)

GP General Assembly	
Time: 12:30-13:30 Room: 102, 1F	

TSHI General Assembly	
Time: 12:30-13:30 Room: 103, 1F	

Plenary 4 TSHI Invited Speaker	
Time: 13:30-14:00 Room: 101, 1F	
Chair (s):	Ya-Chien Yang (Taiwan)
IS-PL-04	Sharing of Accreditation Journey Janette Kwok (Hong Kong)

Session 19: Immunogenetics & Pharmacogenetics	
Time: 14:00-15:30 Room: 101, 1F	
Chair (s):	Ritu Aggarwal (India) Howard Doong (Taiwan)
IS-S19-01	Immunogenetics and Pharmacogenetics: Converging Pathways Toward Personalized Medicine Ritu Aggarwal (India)
IS-S19-02	Immunogenetics in the AI Era: Integrating Genomics and Multi-Omics for Precision Care in Autoimmune Diseases Yi-Ming Chen (Taiwan)
IS-S19-03	High-resolution Typing of T Cell Receptor Alleles from Biobank - scale Whole-Genome Sequencing Jacob Shujui Hsu (Taiwan)

Session 21: Fungal Infection	
Time: 14:00-15:00 Room: 102, 1F	
Chair (s):	Cheng-Chuan Su (Taiwan) Ida Parwati (Indonesia)
IS-S21-01	Crossing the Diagnostic Border in Fungal Infections: From Conventional to Next-Generation Diagnostics Yee-Chun Chen (Taiwan)
IS-S21-02	Combating drug resistance in fungi: Are we ready for it? Pei-Lun Sun (Taiwan)

Session 23: Oral Presentation	
Time: 14:00-15:30 Room: 103, 1F	
Chair (s):	Chun-Min Kang (Taiwan)
OP-01	Serum Hepcidin and Neutrophil-to-Lymphocyte Ratio as Predictive Biomarkers for Dengue Shock Syndrome Hayati Rizki Putri
OP-02	AI-Guided Single-Cell Immune Stratification Supports Laboratory Precision Diagnostics in dMMR/MSI-H Endometrial Carcinoma Kim Ngan Ly
OP-03	Post-pandemic Viral Infections Identified by Multiplex Metagenomic Sequencing in Pediatric Wards in a Teaching Hospital in Northern Taiwan Shu-Hsing Cheng
OP-04	Unlocking Rapid Detection: Predominant Azole-resistant Genotypes in Candida tropicalis Kuo-Yun Yun Tseng
OP-05	One Ratio, Divergent Risks: Trauma Mechanism as a Determinant of Respiratory Failure and Mortality Outcomes in Emergency-Phase Plasma Resuscitation Shin-Yi Tsai
OP-06	Bleeding Risk Prediction Using Thromboelastography in Acute Leukemia at a Tertiary Referral Hospital Gabby Ardani Loman
OP-07	Novel Diagnostic Proteomic Biomarkers for Stage II and III Colorectal Cancer Chung-Ta Lee

Special Talk	
Time: 15:00-15:30 Room: 102, 1F	
Chair (s):	Cheng-Chuan Su (Taiwan) Ida Parwati (Indonesia)
IS-ST-01	Variant Origins of Sporadic Hemophilia A Shih-Yao Lin (Taiwan)

Session 20: Bioinformatics in Immunogenetics	
Time: 16:00-17:00 Room: 101, 1F	
Chair (s):	Jacob Shujui Hsu (Taiwan) Shin-Yi Tsai (Taiwan)
IS-S20-01	Beyond Conventional HLA Matching: What Does Molecular Matching Add to Transplantation? Eun Suk Kang (Republic of Korea)
IS-S20-02	AI-Driven Immunogenomics: From HLA-Restricted Antigen Presentation to T-Cell Recognition Chien-Yu Chen (Taiwan)

Session 22: Fluorescence In Situ Hybridization (FISH) & Cytogenetics	
Time: 16:00-17:00 Room: 101, 1F	
Chair (s):	Ching-Fen Yang (Taiwan) Ku, Wen-Hui (Taiwan)
IS-S22-01	The Evolving Role of Cytogenetics and FISH in Precision Oncology: An Old Wine in a New Bottle Thomas Shek Kong Wan (Hong Kong)
IS-S22-02	Diagnosis of Hematologic Neoplasms: From Karyotype to Genome—Do We Still Need Conventional Cytogenetics? Ching-Fen Yang (Taiwan)

Session 24: Mini Oral Presentation	
Time: 16:00-17:00 Room: 103, 1F	
Chair (s):	Li-Jung, Ma (Taiwan)
MOP-01	Dynamic Expression of Serum Cytokines in a Heart Transplant Recipient with Antibody-Mediated Rejection (AMR) Chun-Chi Lu
MOP-02	A Candida haemulonii Fungemia Outbreak in an Intensive Care Unit: Application of Whole Genome Sequence Analysis Shu-Hsing Cheng

MOP-03	Integrative Profiling of Enhancer RNAs in Tumor Tissue and Plasma Cell-Free RNA Reveals Candidate Cancer Biomarkers Ng Yan Hong
MOP-04	Interleukin-27 (IL-27) and Platelet-to-Lymphocyte Ratio (PLR) as Predictors of Shock in Dengue Infection using Logistic Regression and Random Forest Agustin Iskandar
MOP-05	Uncommon Manifestations of Pediatric SLE: Pulmonary Hemorrhage and Hemolysis Pin-Jiun Chen
MOP-06	Physician's Response to Critical Laboratory Values for Serum Potassium Levels in Our University Hospital Kouki Kaneyama
MOP-07	Diagnostic Pitfalls in Absolute Eosinophilia: A Case of Chronic Eosinophilic Leukemia Coexisting with Extreme Hyper-IgE Maudy Octarini Ezeddin

Closing Ceremony
Time: 17:00-17:30 Room: 101, 1F

Presidential Dinner (Invited Only)
Time: 19:00-21:00 Venue: The Residence, Grand Hyatt Taipei