



Asia-Pacific Histocompatibility And Immunogenetics Association Annual Scientific Meeting (APHIA 2025)

5-7<sup>th</sup> February 2025

Faculty of Medicine, Chulalongkorn University and King Chulalongkorn Memorial Hospital, the Thai Red Cross Society  
Room 1210, 12th Floor, Bhumisiri Mangkhalanusorn Building

Tuesday February 4<sup>th</sup>, 2025

Pre-congress Workshop at the Thai Red Cross Society (Premium Sponsor)

**ThermoFisher**  
S C I E N T I F I C

Wednesday February 5<sup>th</sup>, 2025 (Day 1)

7.00 – 8.30	Registration Open
8.15 – 8.30	Opening Ceremony

Program supported by Thailand Hub of Talents in Cancer Immunotherapy, TTCI)



8.30 – 10.00

### Plenary Session 1: Cellular Immunotherapy I

- Role of HSCT vs CAR T cells in Hematologic Malignancy
  - Assoc. Prof. Kitsada Wudhikarn, Division of Hematology, Faculty of Medicine, Chulalongkorn University, Thailand
- Challenges in delivering cellular therapies for transplant recipients and cancer patients
  - Prof. Rajiv Khanna, Co-Director, Queensland Immunology Research Centre; Distinguished Scientist, Tumour Immunology Laboratory, QIMR Berghofer Medical Research Institute, Australia
- mRNA-based T cell engineering for treatment of virus-related cancer and virus infection
  - Prof. Antonio Bertoletti, Duke-NUS Graduate Medical School, Singapore

10.00 – 10.30

Coffee Break

10.30 – 12.00

### Plenary Session 2: Cellular Immunotherapy II

- Clinical Application of Mesenchymal Stem Cells: Current Trends and Future Directions
  - Prof. Jacques Galipeau, Associate Dean for Therapeutics Development University of Wisconsin School of Medicine and Public Health, University of Wisconsin in Madison, USA

- T cell receptors and MHC diversity in risk, prognosis, and therapy for gliomas
  - Asst. Prof. Gary Kohanbash, Director, PNIO Laboratory, Faculty of the Department of Neurological Surgery at UPMC Children's Hospital of Pittsburgh, USA
- Novel pans solid tumor CAR T cells and first in human trial in DIPG
  - Assoc. Prof. Supannikar Tawinwung, Cellular Immunotherapy Research Unit, Chulalongkorn University; Facility Director, Cell and Gene Therapy Manufacturing Center, King Chulalongkorn Memorial Hospital, Thailand

12.00 – 13.00	Lunch
13.00 – 13.30	<b>Sponsor Session I</b>
13.30 – 14.00	<b>Sponsor Session II</b>
14.00 – 14.30	<b>Short Oral Session</b>
14.30 – 16.30	Coffee Break with Poster Session
14.00 – 16.30	<b>Concurrent Workshop (Major Sponsor): Room 1201</b>
18.00 – 21.00	<b>Welcome Reception (Mandarin Hotel, Managed by Center Point)</b>

Thursday February 6th, 2025 (Day 2)

8.30 – 10.00

**Plenary Session 3: Haematopoietic Stem Cell Transplantation**

- HSCT: An update
  - Dr.Dianne De Santis, Senior Medical Scientist, Department of Clinical Immunology, PathWest, Royal Perth Hospital, Australia
- Saving Lives Across Borders: The Asia-Pacific Unrelated Stem Cell Donor Registry Experience
  - Pawinee Kupatawintu, National Blood Center, the Thai Red Cross Society, Thailand
  - Prof.Ram Mohan Jaiswal, Mahatma Gandhi Medical College & Hospital, India
  - Garth Healey, Australian Bone Marrow Donor Registry, Australia

10.00 – 10.30

Coffee Break


10.30 – 12.00

**Plenary Session 4: HLA Genomics and Clinical Relevance**


- HLA in Diseases Susceptibility and Personalized Medicine
  - Prof.Katsushi Tokunaga, Director, Genome Medical Science Project, Research Institute, National Center for Global Health and Medicine (NCGM); Director, Central Biobank, National Center Biobank Network (NCBN), Japan
- Clinical implementation of HLA long-read sequencing
  - Assoc. Prof.Pajaree Chariyavilaskul, Center of Excellence in Clinical Pharmacokinetics and Pharmacogenomics, Department of Pharmacology, Faculty of Medicine, Chulalongkorn University, Thailand

- HLA Typing and Beyond with Nanopore Sequencing
  - Dr.Thidathip Wongsurawat, Head Division of Medical Bioinformatics, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand
- Beyond Traditional HLA Typing: NGS and HLA Imputation for Comprehensive Analysis of HLA Alleles in Thai SLE Patients
  - Dr.Charles Khor Seik-Soon, Singapore Centre for Environmental Life Sciences Engineering, Nanyang Technological University, Singapore

12.00 – 13.00 Lunch

13.00 – 13.30 **Sponsor Session III (Thermo Fisher)** 

- Improving The Efficiency and Reliability of Post-Transplantation Monitoring and Prognosis with Donor Derived Cell-Free DNA (dd-cfDNA)

13.30 – 14.00 **Sponsor Session IV (TBG)** 

- HLA typing using Nanopore with Automation

14.00 – 14.30 **Short Oral Session**

14.30 – 16.30 Coffee Break with Poster Session

14.00 –16.30 **Concurrent Workshop (Major Sponsor): Room 1201**

18.00 – 21.00 **Gala Dinner (Councilor and Speaker Plus Guest with ticket)**

Friday February 7th, 2025 (Day 3)

8.30 – 10.00

**Plenary Session 5: Solid Organ Transplantation I**

- Implementation of Virtual Crossmatching in Australia: the laboratory experience
  - Fiona Hudson, Senior Scientist at VTIS, Melbourne, Australia
- Determining compatibility in Solid Organ Transplantation – Challenges and Opportunities
  - Rhonda Holdsworth  
HLA Specialist and Clinical Scientist  
Specialist Advisor, Transplantation and Immunogenetics Services, Pathology and Clinical Governance Division, Australian Red Cross Lifeblood, Australia
- Non-HLA antibodies in solid organ transplant
  - Dr Lucy Sullivan, Scientific Director at Australian Red Cross LifeBlood, Australia

10.00 – 10.30

Coffee Break

10.30 – 12.00

**Interactive Session**

- Case Studies for Complex Patients
  - Assoc. Prof. Duangtawan Thammanichanond,  
Histocompatibility and Immunogenetics Laboratory,  
Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand
  - Assoc. Prof. Natavudh Townamchai, Department of Internal Medicine, Faculty of Medicine, Chulalongkorn University, Thailand
  - Dr. Mary Diviney, Senior Clinical Scientist / Manager, Victorian Transplantation and Immunogenetics Service (VTIS), Australian Red Cross Lifeblood, Australia

- Asst. Professor Peenida Skulratanasak  
Division of Nephrology, Department of Medicine,  
Faculty of Medicine Siriraj Hospital, Mahidol  
University, Thailand

12.00 – 13.00 Lunch

13.00 – 13.30 **Special Lecture by the ASHI President**

- Expanding Access to Transplantation: Utilization of A2 Kidneys for O and B Recipients
  - Dr. Cathi Murphey, Director, Histocompatibility and Immunogenetics Laboratory, Southwest Immunodiagnostics, Inc.. San Antonio, USA

13.30 – 14.30 **Short Oral and Poster Session**

14.30 – 15.00 Coffee Break

15.00 – 16.00 **Plenary Session 6: Solid Organ Transplantation II**

- Management of Highly sensitized kidney transplant recipients
  - Professor Jaeseok Yang, Division of Nephrology, Department of Internal Medicine, Yonsei University College of Medicine, Severance Hospital; Laboratory of Transplantation Immunology, Yonsei University Severance Hospital, Korea
  - Professor Yingyos Avihingsanon, Division of Nephrology, Department of Internal Medicine, Faculty of Medicine, Chulalongkorn University, Thailand

16.00 – 16.15 **Concluding Remark and Closing**