

CONGRESS PROGRAMME

TUESDAY, 1 OCTOBER 2013

13:00 – 17:00 **Registration**

16:00 – 20:00 **AAMLS Board of Directors' (BODs) Meeting (at Hotel)**

20:00 – 22:00 **AAMLS BODs' Dinner (at Hotel)**

WEDNESDAY, 2 OCTOBER 2013

08:00 – 17:00 **Registration**

Opening Ceremony

08:20 – 08:30 **Welcome Address**

Dr Eddie ANG Han San

Chair, Organising Committee & President, SAMLS

08:30 – 08:40 **Welcome Address**

Prof Rachana SANTIYANONT

President, Asia Association of Medical Laboratory Scientists

08:40 – 08:50 **Opening Address by Guest of Honour**

Dr Kyoko KOMATSU

President, International Federation of Biomedical Laboratory Science

08:50 – 09:20 **AAMLS Award**

09:20 – 09:50 **Keynote Address**

Mr Eric TAN Huck Gim

DTZ Facilities & Engineering (S) Limited, Singapore

9:50 – 10:30 **Welcome Reception**

Laboratory Management

- 10:30 – 11:00** ***Considerations for Laboratory Workflow Excellence***
A/Prof Sunil SETHI
Department of Laboratory Medicine, National University Hospital, Singapore
- 11:00 – 11:30** ***The Use of Ancillary Investigations in Forensic Medicine***
A/Prof Cuthbert TEO Eng Swee
Forensic Medicine Operations, Health Sciences Authority, Singapore
- 11:30 – 12:00** ***The Next Frontier for Laboratories – Going Green***
Prof Joseph LOPEZ
Department of Biomedical Sciences, Faculty of Allied Health Sciences, MAHSA University Malaysia
- 12:00 – 12:30** ***The Reality of Emerging Technologies & Challenges for Asian Laboratories***
Prof AW Tar Choon
Department of Pathology & Laboratory Medicine, Changi General Hospital, Singapore
- 12:30 – 13:00** ***How to Manage a Good POCT Program***
Dr Leslie LAM Choon Weng
Laboratory Medicine, Alexandra Hospital, Singapore
- 13:00 – 14:00** ***Lunch & Trade Exhibition***
- 14:00 – 14:20** ***Current Quality Management System for Pathology and Cytology Laboratory***
Dr Kyoko KOMATSU
Cancer Institute Hospital, Japan
- 14:20 – 14:40** ***Changes in Laboratory Profile and Performance Through EQA in Indonesia***
Dr Ina S TIMAN
Department of Clinical Pathology, Faculty of Medicine, University of Indonesia, Indonesia

- 14:40 – 15:00** ***A Proposed Guide to Verifying the Efficacy of ISO 15189:2012 Internal Audit Checklist for Medical Laboratory Operations***
Mr Dennis MOK
Medical Management Consulting, Australia
- 15:00 – 15:20** ***Activities of Medical Laboratory Scientists as Medical Team Members in Japan***
Ms Yoko TAKAKI
6-12 Minamioji-machi, Japan
- 15:20 – 15:40** ***The Management of Hong Kong Medical Laboratory Industry***
Mr TSIM Yiu Lam
Hong Kong Institute of Medical Laboratory Sciences (HKIMLS),
Hong Kong
- 15:40 – 16:00** ***Laboratory Automation for Autoimmune and Infectious Diseases Diagnostics by Use of Alegria***
Mr SCHMIDT Stefan
Orgentec Diagnostika GmbH, Germany
- 16:00 – 16:20** ***Coffee Break & Trade Exhibition***
- 16:20 – 18:00** ***AAMLS Forum***
The Registration of Medical Laboratory Technologists in Hong Kong
Mr TSIM Yiu Lam
Hong Kong Institute of Medical Laboratory Sciences (HKIMLS),
Hong Kong
- Competency Certification: The Indonesian National Program***
Drs Endang HOYARANDA
Persatuan Ahli Teknologi Laboratorium Kesehatan Indonesia
(PATELKI), Indonesia
- Certification for Med Tech Competency: Malaysia Setting***
Ms Faridah Robiah ISMAIL
Malaysian Institute for Medical Laboratory Sciences, Malaysia
- Licensing and Certification of Medical Technologists in the Philippines***
Dr Leila FLORENTO
Philippines Association of Medical Technologists (PAMET),
Philippines

Licensing and Certification of Medical Technologists in Taiwan

Mr James CHANG

Taiwan Association of Medical Technologists (TAMT), Taiwan

Competency-based Personnel Certification

Prof Rachana SANTIYANONT

Association of Medical Technologists of Thailand (AMTT), Thailand

Registration of Allied Healthcare Professionals: A Singapore Perspective

Dr Eddie ANG Han San

Singapore Association for Medical Laboratory Sciences (SAMLS), Singapore

***18:00 – 20:00 AAMLS General Meeting of Representatives (GMRs)
(at Singapore Polytechnic)***

20:00 – 22:00 AAMLS GMRs Dinner (at Singapore Polytechnic)

THURSDAY, 3 OCTOBER 2013

08:00 – 17:00 Registration

Microbiology/Molecular

***08:20 – 08:50 The Challenge of Clinical Virology in Emerging and Re-emerging
Viral Infectious Diseases***

Prof KAO Chuan-Liang

Taiwan Association of Medical Technologists (TAMT), Taiwan

08:50 – 09:10 Respiratory Virus Diagnostics in Children: The KKH Experience

Dr LOO Liat Hui

Department of Pathology & Laboratory Medicine, KK Women's & Children's Hospital, Singapore

09:10 – 09:30 Development of Point of Care Diagnostics for Dengue Infections

Dr TAN Eng Lee

School of Chemical & Life Sciences, Singapore Polytechnic, Singapore

- 09:30 – 09:50** ***Mycology: Overview of New and Old Diagnostic Methods***
Ms Janet CHENG
Department of Laboratory Medicine, National University Hospital,
Singapore
- 09:50 – 10:00** ***The NTU BSL-3 Facility in Singapore: Its Journey and Challenges***
Mr Tin TUN
School of Biological Sciences, Nanyang Technological University,
Singapore
- 10:10 – 10:30** ***Coffee Break & Trade Exhibition***
- 10:30 – 11:00** ***Recent Updates in Molecular Diagnosis in Microbiology***
Dr Lynette OON Lin Ean
Department of Pathology, Singapore General Hospital, Singapore
- 11:00 – 11:30** ***Challenges in Implementing the Use of Next-Generation Sequencing
in Clinical Microbiology***
A/Prof Evelyn KOAY
Director, Molecular Diagnosis Centre, Department of Laboratory
Medicine, National University Hospital, Singapore
- 11:30 – 12:00** ***New Antibiotic Resistance in Gram Negative Bacteria and
Implications for Testing***
Dr Jeanette TEO
HSDP Virology Laboratory, National University Hospital, Singapore
- 12:00 – 13:00** ***Lunch & Trade Exhibition***

Clinical Chemistry

- 13:00 – 13:30** ***Early Detection of Acute Kidney Injury - A New Challenge for the
Laboratory***
Dr Robert HAWKINS
Department of Laboratory Medicine, Tan Tock Seng Hospital,
Singapore
- 13:30 – 14:00** ***Developing an Accuracy-Based Proficiency Testing Programme in
Clinical Chemistry***
Dr LEE Tong Kooi
Division Director, Chemical Metrology Laboratory, Chemical
Metrology Division, Health Sciences Authority, Singapore

- 14:00 – 14:20** ***Analysis of Autoimmune Disease Diagnostic Assay Database***
Ms CHENG Yung-Tzu
Department of Laboratory Medicine, Cathay General Hospital,
Taipei City, Taiwan
- 14:20 – 14:40** ***Evaluating and Preventing Pre-analytic Variables in Blood Gas Measurement in an Emergency Care Children's Hospital***
Mr Kaptan Singh SEHRAWAT
Department of Laboratory Science, Kalawati Saran Children's
Hospital, New Delhi, India
- 14:40 – 15:00** ***Measurement of Triglycerides and Total Glycerides in Human Serum by Gas Chromatography-Isotope Dilution Mass Spectrometry***
Dr CHEN Yizhao
Chemical Metrology Laboratory, Health Sciences Authority,
Singapore
- 15:00 – 15:20** ***Coffee Break & Trade Exhibition***
- 15:20 -15:50** ***High-Sensitivity Troponins – New Opportunities***
Prof AW Tar Choon
Department of Pathology & Laboratory Medicine, Changi General
Hospital, Singapore
- 15:50 – 16:10** ***Role of an anti-angiogenic isoform of VEGF-A in peripheral artery disease***
Dr Ryosuke KIKUCHI
Department of Medical Technique, Nagoya University Hospital, Japan
- 16:10 – 16:30** ***Establishing the Metrological Traceability of Glycated Haemoglobin (HbA1c) Measurement***
Dr WONG Lingkai
Chemical Metrology Laboratory, Health Sciences Authority,
Singapore
- 16:30 – 18:30** ***Laboratory Visit***
- 20:00 – 22:00** ***Gala Night***

FRIDAY, 4 OCTOBER 2013

08:00 – 13:00 Registration

Haematology/Transfusion Medicine

08:00 – 08:30 *Cell Therapy Laboratories*

A/Prof William HWANG Ying Khee

Department of Haematology, Singapore General Hospital, Singapore

08:30 – 08:50 *Challenges in the Laboratory Diagnosis of Common Haematological Disorders*

A/Prof Ponnudurai KUPERAN

Department of Haematology, Tan Tock Seng Hospital, Singapore

08:50 – 09:10 *Challenges of FISH in Diagnostic Pathology*

A/Prof TIEN Sim Leng

Department of Pathology & Sr Consultant, Department of Haematology, Singapore General Hospital, Singapore

09:10 – 09:30 *Erythropoiesis and the Elderly Individual*

Dr LIU Te Chih

Haematology Division, Department of Laboratory Medicine, National University Hospital, Singapore

09:30 – 09:50 *Challenges in the Reference Method for Blood Cell Counting*

Prof Hiroshi KONDO

Department of Health Science, Daito Bunka University, Saitama, Japan

09:50 – 10:10 *Update in Laboratory Diagnosis of Thalassaemia*

Prof Suthat FUCHAREON

Thalassaemia Research Center, Institute of Molecular Biosciences, Mahidol University, Bangkok, Thailand

10:10 – 10:30 *Coffee Break & Trade Exhibition*

Histopathology/Cytology

10:30 – 11:00 *The Pathology of Twinning*

Dr Kenneth CHANG Tou En

Department of Pathology and Laboratory Medicine, KK Women's and Children's Hospital, Singapore

- 11:00 – 11:20** ***Diagnosis of Molar Pregnancies – From Morphology to Genotyping***
Dr Derrick LIAN Wen Quan
Department of Pathology and Laboratory Medicine, KK Women's and Children's Hospital, Singapore
- 11:20 – 11:40** ***Tracing Human Endogenous Retrovirus H Family in Colorectal Cancer Cell***
Mr WOO Wee Hong
School of Chemical & Life Sciences, Singapore Polytechnic, Singapore
- 11:40 – 12:00** ***HLA-Matched Platelet Supplement for Quality Improvement of Platelet Transfusion: A 10-Year Retrospective Study in Taiwan***
Ms YANG Wan-Hua
Department of Pathology and Laboratory Medicine, Taoyuan Armed Forces General Hospital, Taoyuan, Taiwan

12:00 Lunch & Trade Exhibition

Closing Ceremony

- 13:15 – 13:25** ***Closing Address***
Dr Eddie ANG Han San
Chair, Organising Committee & President, SAMLS
- 13:25 – 13:35** ***Closing Address***
Prof Rachana SANTIYANONT
Out-going President, Asia Association of Medical Laboratory Scientists
- 13:35 – 13:45** ***Introduction and Address by In-coming President, AAMLS***
- 13:45 – 14:00** ***Hand over of AAMLS flag to next host in 2017***
- Ceremony Ends. Home Sweet Home***

TUESDAY TO THURSDAY, 2 & 3 OCTOBER 2013

08:00 – 17:00 Registration & Poster Presentation

FRIDAY, 4 OCTOBER 2013

08:00 – 13:00 Registration & Poster Presentation

Laboratory Management

Introducing Training and Technical Improvements to Enhance the Hepatitis B Surface Antigen Detection Quality of RIA

Dr WANG Chin-Min

Asia-Medical Medical Reference Laboratory, Taipei City, Taiwan

A Revisit to Clinical Technique: Phlebotomy

Mr WOO Wee Hong

School of Chemical and Life Sciences, Singapore Polytechnic, Singapore

Activity of the IHE-J Laboratory Domain

Dr Ken IGUCHI

Purchasing and Logistic Department, Osaka Medical College, Takatsuki/Osaka, Japan

Contribution of POCT to Home Health Care in Japan

Prof Hideo SAKAMOTO

Kobe Tokiwa University, Faculty of Health Sciences, Kobe, Hyogo, Japan

The Personal Support of Medical Technologists at the Great East Japan Earthquake

Mr Hiroo TOMINAGA

Hyogo Association of Medical Technologists, Hyogo Clinical Laboratory Corporation, Kasai, Japan

Microbiology/Molecular

An Outbreak of Norovirus GII Gastroenteritis in Northern Taiwan, October 2012 to May 2013

Ms HO Shu-Yuan

Department of Laboratory Medicine, National Taiwan University Hospital, Taipei City, Taiwan

External Proficiency Testing Program for Rotavirus Rapid Test in Taiwan

Ms HSU Hui-Wen

Department of Laboratory Medicine, Cathay General Hospital, Taipei, Taiwan

Surveillance of Four Gastroenteritis Associated Viruses in Northern Taiwan, 2011-2012

Dr HUANG Zheng-Yi

Division of Clinical Pathology, Department of Pathology, Tri-Service General Hospital, Taipei, Taiwan

Preliminary Report of Multiplex mRNA Detection of Cancer Markers by Real-Time PCR

Mr LIN Wen-Chi

Department of Laboratory Medicine, Tri-Service General Hospital Penghu Branch, Penghu, Taiwan

Genetic Analysis of Multidrug-Resistant Mycobacterium tuberculosis Strains Isolated in North Taiwan

Ms CHEN Yi-Chun

Department of Laboratory Medicine, Wan Fang Hospital, Taipei Medical Hospital, Taiwan

The Differential Prevalence of Enterobius Vermicularis Infection Between Renai Township of Mountainous Area and Taichung City in Taiwan

Mr CHEN Mao-Tsun

Medical Laboratory Department, Puli Christian Hospital, Taiwan

Evaluation of Nontuberculosis Mycobacteria (NTM) Identification by MALDO-TOF MS Technology

Ms YU Fang-Lan

Department of Laboratory Medicine, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan

DNA Methylation Studies in the Neural Stem Cell Differentiation on Poma Fibers

Mr LIN Meng-De

Department of Pathology and Laboratory Medicine, Taoyuan Armed Forces General Hospital, Taoyuan, Taiwan

Clinical Analyses for Patients with Scabies from January 2012 to April 2013 of a Hospital in Eastern Taiwan

Mr CHENG Tsan-Wang

Department of Pathology and Laboratory Medicine, Taipei Veterans General Hospital Su-Ao Branch, Yilan, Taiwan

Molecular Epidemiology of HHV8 and B19 Infection in Different Population in Taiwan

Dr LEE Yuan-Ming

Division of Laboratory Medicine, National Yang-Ming University Hospital, Yilan, Taiwan

Human Colorectal Adenocarcinoma Cell Line (HT29) as an In-vitro Model for EV71

Mr LUI Yan-Long Edmund

Centre for Biomedical and Life Sciences, Singapore Polytechnic, Singapore

Comparison of a Rapid Streptococcus pneumonia Urinary Assay with Cultures in a Regional Hospital

Ms CHEN Pi-Yin

Medical Laboratory, Keelung Hospital, Department of Health, Executive Yuan, Taiwan

Generation and Characterization of Polyclonal and Monoclonal Antibodies Against S. pneumoniae α-Enolase

Dr WANG Giueng-Chueng

Department of Laboratory Medicine, Wan Fang Hospital, Taipei Medical University, Taiwan

Human Endogenous Retrovirus H Family in Colorectal Carcinogenesis

Mr WOO Wee Hong

School of Chemical & Life Sciences, Singapore Polytechnic, Singapore

The A2058T Mutation in the 23S rRNA Gene Confers High-Level Macrolide-Lincosamide Resistance in Moraxella catarrhalis

Dr Ryoichi SAITO

Department of Microbiology and Immunology, Tokyo Medical and Dental University Hospital, Tokyo, Japan

Considerable Points with Biochemical Bacterial Identification in Case of Pasteurella Species

Dr HAN Dae Jong

Biomedical Research Institute, Seoul National University Hospital, Seoul, Korea

A Comparative Study of a Multiplex Assay with the Conventional In-house Assay for HPV Detection and Subtyping in Archived Ascus Samples

Dr Daniel TAM Chuen Chu6

Genepath Technology Limited, Kowloon, Hong Kong

Clinical Chemistry

The Relationship Between Stress Markers of HRV (heart rate variability) and Inflammatory Marker of CRP (C-reactive Protein) and ESR (Erythrocyte Sedimentation Rate) of Korean Middle-Aged Men

Ms MYUNG Mee-Hae

Centre for Health Promotion, Samsung Medical Centre, Seoul, Korea

Evaluation of a New Method Using Capillary Electrophoresis Technology in A1C Estimation

Ms TANG Hui-Fei

Department of Clinical Pathology, Far Eastern Memorial Hospital, New Taipei City, Taiwan

Is BiliCheck a Good Screening Tool for Neonatal Jaundice?

Ms LU Hsiu-Chu

Department of Laboratory Medicine, Mackay Memorial Hospital, Taipei, Taiwan

Assessment of Food Allergy in Primary School Children in the North of Taiwan

Ms YANG Wan-Hua

Department of Pathology and Laboratory Medicine, Taoyuan Armed Forces General Hospital, Taoyuan, Taiwan

A Retrospective Study of Chronic Kidney Disease Prevalence in a General Hospital of Central Taiwan

Ms CHIEN Ju-huei

Department of Laboratory Medicine, Taichung Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan

Haematology/Transfusion Medicine

2008-2012 Statistical Studies of Blood Usage and Antibody Presentation from a Cardiac Surgery Hospital in Taipei

Mr LEE Chun-Chang

Blood Bank, Department of Clinical Pathology, Taipei, Taiwan

Performance Evaluation of Novel Analysers Celltac Chemi and Alpha for Point-of-Care Testing (HbA1c, CRP an CBC)

Mr Masaaki SUGIYAMA

Department of Laboratory Medicine, Kishiwada City Hospital, Osaka, Japan

Chronic Hepatitis C Patients' Complete Blood Counts Changes During Antiviral Therapy

Mr SUNG Chia-Shing

Chwan Memorial Hospital, Changhua, Taiwan

Parallel Comparison of Two Commercial Blood Grouping Reagents for N, k and Leb

Ms HSIEH Hui-Ni

Laboratory Medicine, Far Eastern Polyclinic, Taiwan

Clinical Application of Genes in Diagnosis of Tumours of Hematopoietic Systems

Mr KAZUHIRO Babe

Business Department of Medical Technology, Laboratory of Medical Technology Medicine Association, Japan

Luminex HLA Antibody Assay in Transplant Patients

Mr WU Tsung-Ying

Department of Pathology, Far Eastern Memorial Hospital, Taiwan

Effect of Antibody for Bovine Serum Albumin on Non-specific Reaction of HTLV-1 Antibody and HCV Antibody in Infants

Mr Akira MIYANO

Department of Laboratory Medicine, Osaka Prefectural Hospital Organisation, Osaka Medical Center and Research Institute for Maternal and Child Health, Japan

Histopathology/Cytology

HMGB1 Expression Patterns as Survival Prognostic Marker for Colon Cancer

Dr CHANG Junn-Laing

Department of Pathology and Laboratory Medicine, Taoyuan Armed Forces General Hospital, Taoyuan, Taiwan

Obtaining Good Quality Sections in the Pathology Laboratory: What Works Best?

Ms MARDHIAHU Bte Mohd Khairi

School of Applied Science, Republic Polytechnic, Singapore

Search for Pathological Diagnosis with Confocal Laser Scanning Microscopy

Mr LEE Tae Bok

Department of Research and Experiments, Biomedical Research Institute, Seoul National University Hospital, Seoul, Korea

Reduction of Formaldehyde Exposure in Pathological Laboratory by Ventilation Systems Installation

Mr Toshiaki HARA

Department of Medical Technique, Nagoya University Hospital, Japan

New Silver Solution for Reticulum

Mr HITOSHI Abe

Department of Pathology, School of Medicine, Keio University, Tokyo, Japan

Towards Single Cell-Driven Personalised Medicine: Efficient Isolation of Single Circulating Tumour Cell (CTC) for Molecular Characterisation of Metastatic Diseases

Dr LEONG Sai Mun

Molecular Diagnosis Centre, Department of Laboratory Medicine, National University Health System, Singapore

Application of Returned Cell Block Method for the Evaluation of Fine Needle Aspiration Cytology of Mammary Lesions

Ms Aoki YUJI

Department of Diagnostic Pathology, Juntendo University Nerima Hospital, Tokyo, Japan