

15 CME ACCREDITED CONFERENCES

LABORATORY MANAGEMENT

CLINICAL CHEMISTRY

HAEMATOLOGY & BLOOD TRANSFUSION

INFECTIOUS DISEASES

MOLECULAR DIAGNOSTICS

POINT OF CARE TESTING

LAB INFORMATICS **NEW**

CARDIAC MARKERS

CYTOLOGY **NEW**

LAB TESTING: OBS GYNE & WOMEN'S HEALTH

LAB TESTING & MANAGEMENT: DIABETES

* OBS GYNE & WOMEN'S HEALTH **NEW**

ONCOLOGY

* DIABETES **NEW**

* ANTIMICROBIAL RESISTANCE **NEW**

* Programme to be announced

Early bird ends
22 February
2018

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5TH MEDLAB ASIA PACIFIC CONGRESS

2 - 4 APRIL 2018

Dear healthcare professional,

I am pleased to present you with the conference programme for the **5th edition of the MEDLAB Asia Pacific Congress**.

15 inter-disciplinary scientific conferences will empower you with knowledge and equip you with skills to guarantee the fastest, safest and most accurate laboratory results in improving patient service and care.

During the three days, a variety of sessions, panel discussions, demonstrations and interactive activities will be held, and you will have the opportunity to network and share best practices with other professionals who are champions of laboratory medicine in the Asia Pacific.

- **Laboratory Management**
- **Clinical Chemistry**
- **Haematology & Blood Transfusion**
- **Infectious Diseases**
- **Molecular Diagnostics**
- **Point of Care Testing**
- **Lab Informatics**
- **Cardiac Markers**
- **Cytology**
- **Lab Testing: Obs Gyne & Women's Health**
- **Lab Testing & Management: Diabetes**

Because of the expanding role of laboratory medicine, we also combine this meeting with other clinical specialities which will underscore the overarching influence of the laboratory in medical decision making and treatment.

New in the MEDLAB Congress portfolio are these clinical conferences:

- **Obs Gyne & Women's Health**
- **Oncology**
- **Diabetes**
- **Antimicrobial Resistance**

Each track will cover advancement in science, technology and application of various laboratory techniques and their clinical implementations to strengthen cooperation between lab and clinic interface.

We look forward to seeing you in April 2018.

Regards,

Rejoy Penacerrada

Senior Conference Producer

Informa Life Sciences Exhibitions

CME ACCREDITATION

The Singapore Medical Council is the accreditation body for all of the conference tracks at MEDLAB Asia Pacific.

The Singapore Medical Council (SMC), a statutory board under the Ministry of Health, maintains the Register of Medical Practitioners in Singapore, administers the compulsory continuing medical education (CME) programme and also governs and regulates the professional conduct and ethics of registered medical practitioners. In their efforts to ensure that doctors are keeping abreast of medical advances, the Council has implemented compulsory CME with effect from 1 January 2003.

Associations:



SOCIETY OF INFECTIOUS DISEASE (SINGAPORE)



COLLEGE of AMERICAN PATHOLOGISTS

CONFERENCES AT A GLANCE

LABORATORY TRACKS

DAY 1 Monday, 2 April	DAY 2 Tuesday, 3 April	DAY 3 Wednesday, 4 April
Laboratory Management	Clinical Chemistry	Haematology
Infectious Diseases	Lab Informatics	Lab Testing & Management: Diabetes
Point of Care Testing	Molecular Diagnostics	
Cytology	Cardiac Markers	
	Lab Testing: Obs Gyne & Women's Health	

CLINICAL TRACKS

MEDLAB Asia Pacific 2018 will be introducing new medical tracks from key specialties that interact with the laboratory. They are designed to provide the latest evidence-based research into diagnosis and treatment as well as enhance cooperation between laboratory professionals and clinicians to enable the best possible patient outcomes.

DAY 1 Monday, 2 April	DAY 2 Tuesday, 3 April	DAY 3 Wednesday, 4 April
* Obs Gyne & Women's Health	* Antimicrobial Resistance	Oncology
	* Diabetes	

*The conference programmes will be available soon.

09:50 Opening remarks by the chair:

Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, Changi General Hospital, Fellow, Academy of Medicine, Singapore

SESSION 1

Moderator: Dr Bronwen Ross, Deputy Chief Executive Officer, The Royal College of Pathologists of Australia, Sydney, Australia

10:05 Role of the laboratory director

Dr Bharati Jhaveri, Pathologist, St. John's Hospital Springfield, Illinois, USA

10:45 Accuracy-based proficiency testing

Prof Junghan Song, Professor & Director, Department of Laboratory Medicine, Seoul National University College of Medicine, **Seoul National University Bundang Hospital**; Chairman & CEO, **Korean Society for Laboratory Medicine**, Seoul, South Korea

11:30 Coffee break

12:00 Experience with contemporary gen 2 TLA system

Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, Changi General Hospital, Fellow, Academy of Medicine, Singapore

12:30 Managing pre- and post-analytical quality

Prof Robert Hawkins, Senior Consultant, Clinical Chemistry, Laboratory Medicine, **Tan Tock Seng Hospital**, Singapore

13:00 Rational test ordering

Dr Fung En Ching, Consultant Chemical Pathologist, **RIPAS Hospital**, Bandar Seri Begawan, Brunei

13:30 Lunch break

SESSION 2

Moderator: Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, Changi General Hospital, Fellow, Academy of Medicine, Singapore

15:00 Clinical value of quality management in clinical laboratory practices

Prof You Kyoung Lee, Professor of Department of Laboratory Medicine, Soonchunhyang University College of Medicine, **Soonchunhyang University Bucheon Hospital**, Bucheon, South Korea

15:45 Laboratory accreditation and the American Hospital Dubai experience

Dr Aaron Han, Consultant Pathologist; Chief, Department of Pathology, **American Hospital Dubai**, Dubai, UAE

16:15 Publishing your lab results: Reflections of a journal editor

Dr Mina Hur, Professor; Director of Department of Laboratory Medicine, **Konkuk University**, Seoul, South Korea

17:00 Close of Laboratory Management

Key topics:

- Role of the laboratory director
- Total lab automation systems
- Best practice
- Laboratory accreditation
- Total lab testing processes

Benefits of attending:

- Assess advances in lab management that will improve lab's turnaround times with fast reporting and accurate diagnosis
- Evaluate the optimum role of the laboratory director that will support enhance transparency and increase efficiency in the lab
- Analyse real experience and usage benefits from a generation 2 TLA system to increase volume and quality of lab tests completed
- Evaluate a lab accreditation experience enabling you to increase the reliability of test data and provide more consistent quality
- Understand the clinical value of quality management and the benefit to the laboratory

CONFERENCE CHAIR:

Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, **Changi General Hospital**, Fellow, **Academy of Medicine**, Singapore

CO-CHAIR:

Prof Junghan Song, Professor & Director, Department of Laboratory Medicine, Seoul National University College of Medicine, **Seoul National University Bundang Hospital**; Chairman & CEO, **Korean Society for Laboratory Medicine**, Seoul, South Korea

SPEAKER FACULTY:

Dr Aaron Han, Consultant Pathologist; Chief, Department of Pathology, **American Hospital Dubai**, Dubai, UAE

Dr Bharati Jhaveri, Pathologist, **St. John's Hospital Springfield**, Illinois, USA

Dr Bronwen Ross, Deputy Chief Executive Officer, **The Royal College of Pathologists of Australia**, Sydney, Australia

Dr Fung En Ching, Consultant Chemical Pathologist, **RIPAS Hospital**, Bandar Seri Begawan, Brunei

Dr Mina Hur, Professor; Director of Department of Laboratory Medicine, **Konkuk University**, Seoul, South Korea

Prof Robert Hawkins, Senior Consultant, Clinical Chemistry, Laboratory Medicine, **Tan Tock Seng Hospital**, Singapore

Prof You Kyoung Lee, Professor of Department of Laboratory Medicine, Soonchunhyang University College of Medicine, **Soonchunhyang University Bucheon Hospital**, Bucheon, South Korea



Key topics:

- HPV genotype and its infection pattern
- Changing epidemiology pattern of invasive fungal infections
- Epidemiological, diagnostic and therapeutic studies on the 21st century viruses
- 4th generation sequencing

Benefits of attending:

- Understand use of appropriate lab tests to prevent, detect, and manage communicable diseases that result from viral and fungal pathogens
- Identify new non-invasive assays and test options to improve detection and elimination of multidrug resistant organisms infections
- Implement quick and safe selection, performance and evaluation of next gen genome sequencing to rapidly analyse infection patterns

CHAIR:

Dr Tan Thean Yen, Consultant Microbiologist, **Changi General Hospital, Singapore**

CO-CHAIR:

Prof Ida Parwati, President, **Indonesian Society of Clinical Pathology and Laboratory Medicine, Jakarta, Indonesia**; **Dr Hasan Sadikin**, Faculty of Medicine **Universitas Padjadjaran, Bandung, Indonesia**

SPEAKER FACULTY:

Dr Andaru Dahesihdewi, Clinical Pathologist, Infection Control Profesional, Clinical Epidemiologist, Clinical Pathologist, **Dr Sardjito Hospital, Gadjah Mada University, Yogyakarta, Indonesia**

Prof Dr Aryati dr SpPK(K), Consultant Pathologist, Department of Clinical Pathology, **Universitas Airlangga, Surabaya, Indonesia**

Dr Victor Leung, Clinical Associate Professor, **University of British Columbia, Vancouver, Canada**

A/Prof October Sessions, Assistant Professor, Emerging Infectious Diseases Programme, **DUK NUS Medical School, Singapore**

Dr Partha Pratim De, Head of Department, Senior Consultant, **Tan Tock Seng Hospital, Singapore**

Dr Rontgene Solante, Infectious Disease Specialist, **San Lazaro Hospital, Manila, Philippines**

Dr Uleng Bahrn, Clinical Pathologist, Department of Clinical Pathology, Medical Faculty, **Hasanuddin University, Makassar, Indonesia**

Dr Victor Leung, Clinical Associate Professor, **University of British Columbia, Vancouver, Canada**

10:20 Opening remarks by the chairs:

Dr Tan Thean Yen, Consultant Microbiologist, **Changi General Hospital, Singapore**
Prof Ida Parwati, President, **Indonesian Society of Clinical Pathology and Laboratory Medicine, Jakarta, Indonesia**; **Dr Hasan Sadikin**, Faculty of Medicine **Universitas Padjadjaran, Bandung, Indonesia**

SESSION 1

10:30 Updates in infectious diseases surveillance

Dr Tan Thean Yen, Consultant Microbiologist, **Changi General Hospital, Singapore**

11:00 The role of laboratory medicine in infection control: Hospital epidemiology approach for proven effective strategies

Dr Andaru Dahesihdewi, Clinical Pathologist, Infection Control Profesional, Clinical Epidemiologist, Clinical Pathologist, **Dr Sardjito Hospital, Gadjah Mada University, Yogyakarta, Indonesia**

SESSION 2

12:00 Innovations and challenges for Point of Care Tests in infectious diseases

Dr Victor Leung, Clinical Associate Professor, **University of British Columbia, Vancouver, Canada**

12:30 Lunch break

SESSION 3

13:30 Genetic profiling to predict pathogenicity of flaviviruses

A/Prof October Sessions, Assistant Professor, Emerging Infectious Diseases Programme, **DUK NUS Medical School, Singapore**

14:00 HPV genotype and its infection pattern

Prof Dr Aryati dr SpPK(K), Consultant Pathologist, Department of Clinical Pathology, **Universitas Airlangga, Surabaya, Indonesia**

14:30 Coffee break

SESSION 4

15:00 Updates in treatment of multi-resistant organisms

Adjunct A/Prof Partha Pratim De, Head of Department, Senior Consultant, **Tan Tock Seng Hospital, Singapore**

15:30 Antibiotic management of infections in adults: The Asian perspective

Dr Rontgene Solante, Infectious Disease Specialist, **San Lazaro Hospital, Manila, Philippines**

16:00 Toll like receptor; promising target for sepsis management

Dr Uleng Bahrn, Clinical Pathologist, Department of Clinical Pathology, Medical Faculty, **Hasanuddin University, Makassar, Indonesia**

16:30 Close of Infectious Diseases

09:55 Opening remarks by the chair

Joanne Lee, Principal Scientific Officer, Laboratory Medicine, **Ng Teng Fong General Hospital, Singapore**

10:15 Lessons learnt from POCT experience in multiple hospital settings

Joanne Lee, Principal Scientific Officer, Laboratory Medicine, **Ng Teng Fong General Hospital, Singapore**

10:45 Improving quality and patient care in POCT

Dr Bharati Jhaveri, Pathologist, **St. John's Hospital Springfield, Illinois, USA**

11:15 Coffee break

11:45 A new, fast, sensitive and specific molecular diagnostic test for Malaria, its performance and place in routine clinical diagnosis

Dr Slava Elagin, Executive Vice President Research & Development, **Meridian Bioscience, Cincinnati, Ohio, USA**

12:15 Training and re-certification of POCT operators – A Thailand hospital experience

Dr Jatupon Krongvorakul, Pathology, Faculty of Medicine, **Ramathibodi Hospital, Mahidol University, Bangkok, Thailand**

12:45 Close of Point of Care Testing

Key topics:

- POCT case studies
- POCT regulations and inspections
- Training POCT end users and operators
- POCT in managing disease and infection

Benefits of attending

- Assess training and competency of POC professionals to comply with the latest regulatory requirements and certification of POCT
- Examine how implementation of POCT can improve patient outcomes, lead to advanced care and faster diagnosis
- Evaluate how POCT can be used to accurately test for life-threatening diseases to improve the speed of diagnosis and chances of survival

CHAIR:

Joanne Lee, Principal Scientific Officer, Laboratory Medicine, **Ng Teng Fong General Hospital, Singapore**

CO-CHAIR:

Jamuna Jairaman, Senior Manager, Allied Health Support, **Sunway Medical Center Sdn Bhd., Selangor, Malaysia**

SPEAKER FACULTY:

Dr Bharati Jhaveri, Pathologist, **St. John's Hospital Springfield, Illinois, USA**

Dr Jatupon Krongvorakul, Pathology, Faculty of Medicine, **Ramathibodi Hospital, Mahidol University, Bangkok, Thailand**

Dr Slava Elagin, Executive Vice President Research & Development, **Meridian Bioscience, Cincinnati, Ohio, USA**



Key topics:

- Thyroid cytology
- Cervical cytology
- Urine cytology
- Salivary gland cytology
- Tumour cells

Benefits of attending:

- Improve ability to identify key cytological characteristics of diseases to allow unequivocal diagnosis
- Integrate the recent changes/modifications in the pathological classification of diseases or lesions to advance test interpretation
- Interpret lab results on cells and cytology fluid to diagnose some types of cancer

CHAIRS:

Dr Rafay Azhar, Senior Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

Dr Sangeeta Mantoo, Consultant, Department of Pathology, **Singapore General Hospital, Singapore**

CO-CHAIR:

Dr Rafay Azhar, Senior Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

SPEAKER FACULTY:

Dr Li Yan Khor, Department of Anatomic Pathology, Division of Pathology, **Singapore General Hospital, Singapore**

Dr Lim Kok Hing, Associate Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

Dr Nga Min En, Consultant Pathologist and Associate Professor, **National University Health System, Singapore**

Dr Yeo Yen Ching, Consultant, Department of Pathology and Laboratory Medicine, **KK Women's and Children's Hospital, Singapore**

13:30 Opening remarks by the chairs:

Dr Rafay Azhar, Senior Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

Dr Sangeeta Mantoo, Consultant, Department of Pathology, **Singapore General Hospital, Singapore**

SESSION 1

Moderators: **Dr Rafay Azhar**, Senior Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

Dr Sangeeta Mantoo, Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

13:40 Thyroid cytology: The latest update

Dr Nga Min En, Consultant Pathologist and Associate Professor, **National University Health System, Singapore**

14:10 An introduction to circulating tumour cells

Dr Lim Kok Hing, Associate Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

14:40 Q&A

15:00 Coffee break

SESSION 2

Moderator: **Dr Rafay Azhar**, Senior Consultant, Department of Anatomical Pathology, **Singapore General Hospital, Singapore**

15:30 Understanding the Paris system for reporting Urine cytology

Dr Li Yan Khor, Department of Anatomic Pathology, Division of Pathology, **Singapore General Hospital, Singapore**

16:00 Updates in interpretation and evaluation of cervical cytology

Dr Yeo Yen Ching, Consultant, Department of Pathology and Laboratory Medicine, **KK Women's and Children's Hospital, Singapore**

16:30 Update on salivary gland cytology – the Milan system

Dr Sangeeta Mantoo, Consultant, Department of Pathology, **Singapore General Hospital, Singapore**

17:00 Q&A

17:15 Close of Cytology



09:50 **Opening remarks by the chair:**

Dr Leslie Lam, Head & Senior Consultant, Laboratory Medicine, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

SESSION 1

Moderator: **Dr Leslie Lam**, Head & Senior Consultant, Laboratory Medicine, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

10:00 **Case studies on analytical interferences to improve accuracy and clinical utility of laboratory test results**

Dr Leslie Lam, Head & Senior Consultant, Laboratory Medicine, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

10:30 **Interpreting commonly ordered lab tests by rheumatologists**

Dr Jane Clayton, Director of Rheumatology and Consultant, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

11:00 **Serum free light chains in diagnosis and monitoring for multiple myeloma and related disorders**

Dr Fayha Ahmed, Consultant and Head of Routine Biochemistry Unit, Pathology & Genetics Department, **Dubai Hospital, Dubai, UAE**

11:30 **Autoverification in the clinical chemistry laboratory**

Dr Robert Hawkins, Senior Consultant, Department of Laboratory Medicine, **Tan Tock Seng Hospital, Singapore**

12:00 Lunch break

SESSION 2

Moderator: **Dr James Doery**, Chemical Pathologist, Unit Head, Monash Pathology, **Monash Medical Centre**; Associate Clinical Professor, Department of Medicine, **Monash University, Clayton, Australia**

13:00 **Biotin-related interference in immunoassays**

Dr James Doery, Chemical Pathologist, Unit Head, Monash Pathology, **Monash Medical Centre**; Associate Clinical Professor, Department of Medicine, **Monash University, Clayton, Australia**

13:30 **Diagnostic role of pleural fluid, adenosine deaminase in tuberculous pleural effusion**

Dr Telly Kamelia, Vice President, PPRA Antibiotic Resistance; Professor, Department of Internal Medicine, FKUI Pulmonology, Faculty of Medicine, **University of Indonesia, Depok, Indonesia**

14:30 Coffee break

SESSION 3

Moderator: **Dr Leslie Lam**, Head & Senior Consultant, Laboratory Medicine, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

15:30 **Liver fibrosis biomarkers – a gastroenterologist's perspective**

Dr Wong Guan Wee, Consultant Gastroenterologist, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

16:00 **Is there a clinical need for fructosamine or glycated albumin? An endocrinologist's perspective**

Dr Kurumbian Chandran, Director of Endocrinology and Sr Consultant, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

16:30 Close of Clinical Chemistry

Key topics:

- Biochemistry and clinical diagnosis
- Troubleshooting analytical interference
- Commonly ordered lab tests by rheumatologists and its interpretations
- Liver fibrosis biomarkers

Benefits of attending:

- Identify latest updates in assays to improve skills in test accuracy
- Describe auto verification in the clinical chemistry laboratory to comply with the latest regulatory requirements and certification
- Appraise quality control and automation in clinical laboratory to improve patient's outcome

CHAIR:

Dr Leslie Lam, Head & Senior Consultant, Laboratory Medicine, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

CO-CHAIR:

Dr James Doery, Chemical Pathologist, Unit Head, Monash Pathology, **Monash Medical Centre**; Associate Clinical Professor, Department of Medicine, **Monash University, Clayton, Australia**

SPEAKER FACULTY:

Dr Fayha Ahmed, Consultant and Head of Routine Biochemistry Unit, Pathology & Genetics Department, **Dubai Hospital, Dubai, UAE**

Dr Jane Clayton, Director of Rheumatology and Consultant, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

Dr Kurumbian Chandran, Director of Endocrinology and Sr Consultant, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

Dr Robert Hawkins, Senior Consultant, Department of Laboratory Medicine, **Tan Tock Seng Hospital, Singapore**

Dr Telly Kamelia, Vice President, PPRA Antibiotic Resistance; Professor, Department of Internal Medicine, FKUI Pulmonology, Faculty of Medicine, **University of Indonesia, Depok, Indonesia**

Dr Wong Guan Wee, Consultant Gastroenterologist, **Ng Teng Fong General Hospital and Jurong Community Hospital, Singapore**

Key Topics:

- Technology for laboratory information management
- Analysing data from the lab
- Role of the laboratory in clinical informatics
- Digital pathology

Benefits of attending:

- Review data analytics in the laboratory to enhance treatment best practices based on evidence-based medicine from their patients
- Evaluate laboratory information management systems to ensure optimised use and alignment with organisational needs of the organisation
- Understand the role of the lab in clinical informatics to improve productivity and cost-effectiveness of the whole system

CHAIR:

Dr Cheng Chee Leong, Consultant, Department of Anatomical Pathology, **Singapore General Hospital**, Director, Computational and Digital Pathology, **Singhealth Pathology ACP, Singapore**

CO-CHAIR:

Dr Rafay Azhar, Senior Consultant, Department of Pathology, **Singapore General Hospital, Singapore**

SPEAKER FACULTY:

Dr Aaron Han, Consultant Pathologist; Chief, Department of Pathology, **American Hospital Dubai, Dubai, UAE**

Moderator: Dr Rafay Azhar, Senior Consultant, Department of Pathology, **Singapore General Hospital, Singapore**

09:50 Opening remarks by the chair:

Dr Cheng Chee Leong, Consultant, Department of Anatomical Pathology, **Singapore General Hospital**, Director, Computational and Digital Pathology, **Singhealth Pathology ACP, Singapore**

10:00 Role of laboratory in clinical informatics

Dr Aaron Han, Consultant Pathologist; Chief, Department of Pathology, **American Hospital Dubai, Dubai, UAE**

11:00 Coffee break

11:30 Advancements in digital pathology

Dr Cheng Chee Leong, Consultant, Department of Anatomical Pathology, **Singapore General Hospital**, Director, Computational and Digital Pathology, **Singhealth Pathology ACP, Singapore**

12:00 Computerised physician order entry for anatomical pathology

Dr Rafay Azhar, Senior Consultant, Department of Pathology, **Singapore General Hospital, Singapore**

12:30 Close of Lab Informatics



10:00 Opening remarks by the chair:

Dr Masafumi Inoue, Group Leader, Molecular Diagnostics, Experimental Therapeutics Centre, Agency for Science, Technology and Research (A*STAR), Singapore

SESSION 1**10:15 Updates in avian flu detection**

Dr Masafumi Inoue, Group Leader, Molecular Diagnostics, Experimental Therapeutics Centre, Agency for Science, Technology and Research (A*STAR), Singapore

10:45 Innovative diagnostic technologies

Dr Sidney Yee, CEO, Diagnostics Development Hub; Executive Vice President, ETPL, Agency for Science, Technology and Research (A*STAR), Singapore

11:15 Technique of reverse genetics

Dr Yoshihiro Kawaoka, Professor, Department of Microbiology and Immunology, The Institute of Medical Science, University of Tokyo, Tokyo, Japan

12:00 Lunch break

SESSION 2**13:30 Bacterial outbreak genomics**

Swaine Chen, Senior Research Scientist, Genome Institute of Singapore, Agency for Science, Technology and Research (A*STAR), Singapore

14:00 Management of viral infection using rapid multiplex technology

Dr Bone Tang, Clinical Microbiologist (Honorary consultant), Hong Kong Sanatorium & Hospital; Hon. Assistant Professor, Department of Microbiology, Hong Kong University, Hong Kong

14:30 Genetic alphabet expansion technology and its diagnostic and therapeutic applications

Dr Hirao Ichiro, Team Leader and Principal Research Scientist, Agency for Science, Technology and Research (A*STAR), Singapore

15:00 How to prepare for molecular inspections

Dr Bharati Jhaveri, Pathologist, St. John's Hospital Springfield, Illinois, USA

15:30 Coffee break

16:00 Updates in nanopore sequencing

Dr Niranjan Nagarajan, Senior Group Leader, Associate Director, Computational and Systems Biology, Genome Institute of Singapore, Agency for Science, Technology and Research (A*STAR), Singapore

17:00 Close of Molecular Diagnostics

Key topics:

- Avian flu, dengue, chikungunya and Zika viruses
- Genomics-based interventions – major challenges
- Quality of NGS in the diagnostic lab
- Molecular tools in pathogen surveillance and outbreaks

Benefits of attending:

- Evaluate current and future biomarkers to improve daily operational tasks in the lab
- Examine application of gene therapy or biologic response modifiers to facilitate zero diagnostic errors
- Improve collection and reporting of data on the occurrence and causes of disease outbreaks to reduce illness and death

CHAIR:

Dr Masafumi Inoue, Group Leader, Molecular Diagnostics, Experimental Therapeutics Centre, Agency for Science, Technology and Research (A*STAR), Singapore

CO-CHAIR:

Dr Sebastian Maurer-Stroh, Senior Principal Investigator, Agency for Science, Technology and Research (A*STAR), Singapore

SPEAKER FACULTY:

Dr Bharati Jhaveri, Pathologist, St. John's Hospital Springfield, Illinois, USA

Dr Bone Tang, Clinical Microbiologist (Honorary consultant), Hong Kong Sanatorium & Hospital; Hon. Assistant Professor, Department of Microbiology, Hong Kong University, Hong Kong

Dr Hirao Ichiro, Team Leader and Principal Research Scientist, Agency for Science, Technology and Research (A*STAR), Singapore

Dr Niranjan Nagarajan, Senior Group Leader, Associate Director, Computational and Systems Biology, Genome Institute of Singapore, Agency for Science, Technology and Research (A*STAR), Singapore

Dr Sidney Yee, CEO, Diagnostics Development Hub; Executive Vice President, ETPL, Agency for Science, Technology and Research (A*STAR), Singapore

Swaine Chen, Senior Research Scientist, Genome Institute of Singapore, Agency for Science, Technology and Research (A*STAR), Singapore

Dr Yoshihiro Kawaoka, Professor, Department of Microbiology and Immunology, The Institute of Medical Science, University of Tokyo, Tokyo, Japan

Key topics:

- High sensitivity assays and how to use them
- Point of care troponin testing
- Risk stratification in cardiac conditions

Benefits of attending:

- Evaluate point of care troponin testing to improve patient care in a variety of settings and reduce the cost of care
- Using high sensitivity assays and how to use them to improve the accuracy and reliability of diagnosis and discharge decisions
- Assess risk stratification of patients with acute coronary syndrome to ensure the optimal treatment decisions

CHAIR:

Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, **Changi General Hospital**, Fellow, **Academy of Medicine**, Singapore

CO-CHAIR:

Dr Zhou Zhou, Professor and Director, **Center of Laboratory Medicine**; Director, **Beijing Key Laboratory, Molecular Diagnostics of Cardiovascular Disease**, Beijing, China

SPEAKER FACULTY:

Dr Agim Beshiri, Medical Director, Abbott Laboratories, **Chicago, Illinois, USA**

Dr Jack Tan Wei Chieh, Deputy Head and Senior Consultant, Department of Cardiology; Director of the Coronary Care Unit, **National Heart Centre**, Singapore

Dr Mina Hur, Professor; Director of Department of Laboratory Medicine, **Konkuk University**, Seoul, South Korea

Prof Salvatore Di Somma, President, **GREAT Network**; Professor of Medicine, Chairman and Director Emergency Medicine, **Sapienza University of Rome**, Rome, Italy

13:00 Opening remarks by the chair and moderator:

Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, **Changi General Hospital**, Fellow, **Academy of Medicine**, Singapore

13:15 The use of high sensitivity troponin in risk stratification

Dr Agim Beshiri, Medical Director, Abbott Laboratories, **Chicago, Illinois, USA**

13:45 Cardiac markers in the emergency department

Prof Salvatore Di Somma, President, **GREAT Network**; Professor of Medicine, Chairman and Director Emergency Medicine, **Sapienza University of Rome**, Rome, Italy

14:15 Proenkephalin & Adrenomedullin as cardiac biomarkers

Dr Mina Hur, Professor; Director of Department of Laboratory Medicine, **Konkuk University**, Seoul, South Korea

14:45 Coffee break

15:15 Point of care troponin testing

Dr Zhou Zhou, Professor and Director, **Center of Laboratory Medicine**; Director, **Beijing Key Laboratory, Molecular Diagnostics of Cardiovascular Disease**, Beijing, China

15:45 Troponin essentials for laboratorians

Dr Aw Tar Choon, Director (Chemical Pathology), Department of Laboratory Medicine, **Changi General Hospital**, Fellow, **Academy of Medicine**, Singapore

16:15 Use of high sensitivity troponin

Dr Jack Tan Wei Chieh, Deputy Head and Senior Consultant, Department of Cardiology; Director of the Coronary Care Unit, **National Heart Centre**, Singapore

16:45 Close of Cardiac Markers



09:50 Opening remarks by the chair:

Matthias Maiwald, Senior Consultant in Microbiology; Adj. Assoc. Prof., **National University of Singapore**, Department of Pathology and Laboratory Medicine, **KK Women's and Children's Hospital, Singapore**

SESSION 1

Moderator: Matthias Maiwald, Senior Consultant in Microbiology; Adj. Assoc. Prof., **National University of Singapore**, Department of Pathology and Laboratory Medicine, **KK Women's and Children's Hospital, Singapore**

10:00 Diagnosis and treatment of iron deficiency anaemia in pregnancy

A/Prof Alhossain Khalafallah, Haematologist, **Launceston General Hospital, Tasmania, Australia**

10:30 Evaluation of Noninvasive Prenatal Testing (NIPT)

Prof George Yeo Seow Heong, Chief of Obstetric; Head and Senior Consult, Department of Maternal Fetal Medicine, **KK Women's and Children's Hospital, Singapore**

11:00 Coffee break

SESSION 2

Moderator: Ong Lizhen, Associate Consultant, Clinical Chemistry, **National University Hospital, Singapore**

11:30 Validation and implementation of Prenatal Chromosomal MicroArray Analysis (CMA) in a cytogenetics laboratory

Yong Min Hwee, Senior Principal Medical Laboratory Scientist and Lead, Cytogenetics, **KK Women's and Children's Hospital, Singapore**

12:00 Infections in pregnancy 2018 – a review

Matthias Maiwald, Senior Consultant in Microbiology; Adj. Assoc. Prof., **Natl. Univ. Singapore**, Department of Pathology and Laboratory Medicine, **KK Women's and Children's Hospital, Singapore**

12:30 Close of Lab Testing: Obs Gyne & Women's Health

Key topics:

- Iron deficiency in pregnancy
- Infections in pregnancy
- Prenatal Chromosomal Micro Array Analysis (CMA) evaluation
- Noninvasive Prenatal Testing (NIPT)

Benefits of attending:

- Assess iron deficiency in pregnancy to ensure early intervention & effective treatment for the patient
- Evaluate non-invasive prenatal testing (NIPT) to reduce the risk to patient compared to traditional prenatal tests
- Ensure correct detection of infections during pregnancy to improve patient outcomes

CHAIR:

Matthias Maiwald, Senior Consultant in Microbiology; Adj. Assoc. Prof., **National University of Singapore**, Department of Pathology and Laboratory Medicine, **KK Women's and Children's Hospital, Singapore**

CO-CHAIR:

Ong Lizhen, Associate Consultant, Clinical Chemistry, **National University Hospital, Singapore**

SPEAKER FACULTY:

A/Prof Alhossain Khalafallah, Haematologist, **Launceston General Hospital, Tasmania, Australia**

Prof George Yeo Seow Heong, Chief of Obstetric; Head and Senior Consult, Department of Maternal Fetal Medicine, **KK Women's and Children's Hospital, Singapore**

Yong Min Hwee, Senior Principal Medical Laboratory Scientist and Lead, Cytogenetics, **KK Women's and Children's Hospital, Singapore**



Key topics:

- Quality assurance in automated haematology
- Managing transfusion issues in a hospital blood bank
- Handling platelet disorder cases
- Management of haematological malignancies

Benefits of attending:

- Improve quality assurance in quality assurance in haematology to improve speed, quality and avoid errors
- Review advances in haematology automation and application of molecular techniques to improve management of blood disorders
- Discuss safety in transfusion medicine to improve quality and speed of services

CHAIR:

A/Prof Ponnudurai Kuperan, Senior Consultant, Department of Haematology, **Tan Tock Seng Hospital, Singapore**

SPEAKER FACULTY:

Dr Bharati Jhaveri, Pathologist, **St. John's Hospital Springfield, Illinois, USA**

Dr Christina Yip, Section Leader, Haematology, Dept of Laboratory Medicine, **National University Hospital, Singapore**

Dr Joyce Lam Ching Mei, Consultant, **KKH Women and Children Hospital, Singapore**

Dr Lao Zhentang, Consultant, Department of Haematology, **Singapore General Hospital, Singapore**

Prof Mina Hur, Professor and Director in the Department of Laboratory Medicine, **Konkuk University School of Medicine, Seoul, South Korea**

Susan Lim, Supervisor, Blood Transfusion Services, **National University Hospital, Singapore**

09:40 Opening remarks by chair and moderator:

A/Prof Ponnudurai Kuperan, Senior Consultant, Department of Haematology, **Tan Tock Seng Hospital, Singapore**

09:45 A fresh look at quality assurance in automated haematology

Dr Christina Yip, Section Leader, Haematology, Dept of Laboratory Medicine, **National University Hospital, Singapore**

10:45 Solving common transfusion issues in a hospital blood bank

Susan Lim, Supervisor, Blood Transfusion Services, **National University Hospital, Singapore**

11:15 Coffee break

11:45 Exploring possibility of relieving clinical efforts on handling platelet disorder cases

Prof Mina Hur, Professor and Director in the Department of Laboratory Medicine, **Konkuk University School of Medicine, Seoul, South Korea**

12:15 What is unique in paediatric haematology

Dr Joyce Lam Ching Mei, Consultant, **KKH Women and Children Hospital, Singapore**

13:15 Lunch break

14:30 Molecular diagnostics in the current management of haematological malignancies

Dr Lao Zhentang, Consultant, Department of Haematology, **Singapore General Hospital, Singapore**

15:00 Best quality practices in haematology

Dr Bharati Jhaveri, Pathologist, **St. John's Hospital Springfield, Illinois, USA**

15:30 Transfusion medicine and quality requirements

Dr Bharati Jhaveri, Pathologist, **St. John's Hospital Springfield, Illinois, USA**

16:00 Uncommon but not to be missed haematological disorders

A/Prof Ponnudurai Kuperan, Senior Consultant, Department of Haematology, **Tan Tock Seng Hospital, Singapore**

16:30 Close of Haematology & Blood Transfusion



09:50 Opening remarks by the chair

Dr David Tan Boon Harn, Consultant, Department of Radiation Oncology, **National Cancer Centre Singapore (NCCS)**; Assistant Professor, **Duke-NUS Graduate Medical School, Singapore**

SESSION 1

Moderator: Dr David Tan Boon Harn, Consultant, Department of Radiation Oncology, **National Cancer Centre Singapore (NCCS)**; Assistant Professor, **Duke-NUS Graduate Medical School, Singapore**

10:05 Immunotherapy and targeted agents

Dr John Chia Whay Kuang, Consultant Medical Oncologist, **Oncocare Cancer Centre, Singapore**

10:45 Biomarkers and genetic sequencing

Dr Wong Pek Choo Adele, Consultant Pathologist, **KK Women's and Children's Hospital, Singapore**

11:30 Coffee break

12:00 Image guided brachytherapy in cervical cancer

Dr Pittaya Dankulchai, Radiation Oncologist, Division of Radiation Oncology, Faculty of Medicine, **Siriraj Hospital, Mahidol University, Bangkok, Thailand**

12:45 Oncogenetics in gynaecological cancers

Dr Angela George, Consultant in Oncogenetics, **The Royal Marsden NHS Foundation Trust, London, UK**

13:30 Lunch break

SESSION 2

Moderator: Dr John Chia Whay Kuang, Consultant Medical Oncologist, **Oncocare Cancer Centre, Singapore**

15:00 Laparoscopic and robotic surgery in gyne-oncology

Dr Ravichandran Nadarajah, Consultant, Department of Obstetrics & Gynaecology, **Singapore General Hospital, Singapore**

15:45 Latest advances in radiotherapy

Dr David Tan Boon Harn, Consultant, Department of Radiation Oncology, **National Cancer Centre Singapore (NCCS)**; Assistant Professor, **Duke-NUS Graduate Medical School, Singapore**

16:15 Artificial Intelligence and its emerging role in healthcare

17:00 Close of Oncology

Key topics:

- Oncogenetics in gynaecological cancers
- Biomarkers and genetic sequencing
- Immunotherapy and targeted agents
- Artificial intelligence (AI) and its emerging role in healthcare

Benefits of attending:

- Enhance collaboration between the lab professionals and clinician to aid accurate interpretation, quick reporting and diagnosis of women's cancer
- Discuss the latest advances in radiotherapy to expand current treatment approaches and ensure the most relevant and effective care for the patient
- Evaluate biomarkers and genetic sequencing in relation to women's cancer to enable earlier detection and more targeted, successful treatment outcomes

CONFERENCE CHAIR:

Dr David Tan Boon Harn, Consultant, Department of Radiation Oncology, **National Cancer Centre Singapore (NCCS)**; Assistant Professor, **Duke-NUS Graduate Medical School, Singapore**

CO-CHAIR:

Dr John Chia Whay Kuang, Consultant Medical Oncologist, **Oncocare Cancer Centre, Singapore**

SPEAKER FACULTY:

Dr Angela George, Consultant in Oncogenetics, **The Royal Marsden NHS Foundation Trust, London, UK**

Dr Pittaya Dankulchai, Radiation Oncologist, Division of Radiation Oncology, Faculty of Medicine, **Siriraj Hospital, Mahidol University, Bangkok, Thailand**

Dr Ravichandran Nadarajah, Consultant, Department of Obstetrics & Gynaecology, **Singapore General Hospital, Singapore**

Dr Wong Pek Choo Adele, Consultant Pathologist, **KK Women's and Children's Hospital, Singapore**

Key topics:

- Bone health in diabetes
- Dyslipidaemia in diabetes
- Pathology of Diabetes Mellitus

Benefits of attending:

- Understand the genetics behind diabetes to improve the use of predictive genetic tests
- Understand evidence-based recommendations for the use of laboratory testing for patients with diabetes
- Identify new classification of diabetes mellitus and tests used for its diagnosis to result to fewer therapeutic misjudgements

CHAIR:

Dr Wong Moh Sim, Head and Senior Consultant, Laboratory Medicine, **Khoo Teck Puat Hospital, Singapore**

SPEAKER FACULTY:

Dr Samuel Vasikaran, Consultant Chemical Pathologist, **PathWest-Fiona Stanley and Royal Perth Hospitals, Perth, Australia**

A/Professor Tavintharan Subramaniam, Senior Consultant, Department of Medicine, **Khoo Teck Puat Hospital; Director, Diabetes Centre, Admiralty Medical Centre, Singapore**

09:40 Opening remarks by the chair

Dr Wong Moh Sim, Head and Senior Consultant, Laboratory Medicine, **Khoo Teck Puat Hospital, Singapore**

10:00 Diabetes: Diagnostics demystified

Dr Wong Moh Sim, Head and Senior Consultant, Laboratory Medicine, **Khoo Teck Puat Hospital, Singapore**

10:30 Bone health in diabetes

Dr Samuel Vasikaran, Consultant Chemical Pathologist, **PathWest-Fiona Stanley and Royal Perth Hospitals, Perth, Australia**

11:00 Coffee break

11:30 Dyslipidaemia in diabetes: A doubly deadly dilemma

A/Professor Tavintharan Subramaniam, Senior Consultant, Department of Medicine, **Khoo Teck Puat Hospital; Director, Diabetes Centre, Admiralty Medical Centre, Singapore**

12:30 Close of Lab Testing & Management: Diabetes





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