

Second Asia Pacific Symposium on Advanced Molecular Technologies

13th to 15th August 2010 - Hong Kong

Theme - New Horizon in Molecular Diagnostics

Opening Ceremony and Plenary Lecture

Venue: Cheung On Tak Lecture Theater, The Hong Kong Polytechnic University

Date: Friday, 13th August 2010

Time: 6:00 pm

Opening Speech: **Professor Benjamin Yat-Ming Yung**
Head of Department & Chair Professor of Biomedical Science,
The Hong Kong Polytechnic University

Plenary Lecture: 6:30 pm

Speaker: **Professor Kwok-Yung Yuen**
Department of Microbiology
The University of Hong Kong

Topic: **Molecular diagnostics for influenza A H1N1 2009**

Chairperson: **Professor SP Yip**

CME/CPD Accreditation: Hong Kong College of Pathologists: 1 CME point

Medical Laboratory Technologists Board: 1 CPD Point

14th August 2010 (Saturday)

Time

Venue

Cheung On Tak Lecture Theater, The Hong Kong Polytechnic University

8:00a.m. - 9:00a.m.

Registration

9:00a.m. – 10:00a.m.

Plenary Lecture

Chairperson: Professor SP Yip

Professor Dennis Yuk-Ming Lo (Hong Kong), Professor, Department of Chemical Pathology, The Chinese University of Hong Kong
"Plasma nucleic acid analysis: from microfluidics to next-generation sequencing"

10:00a.m. - 10:30a.m.

Tea Break

10:30a.m. - 12:30p.m.

Keynote speech

Topics

Infectious diseases Chairpersons: Dr Wilina Lim; Dr Polly Leung

Dr. David Persing (USA), Executive Vice President, Chief Medical and Technology Officer, Cepheid
"Molecular Detection of Drug Resistant Pathogens"

Dr. Fred Tenover (USA), Senior Director of Scientific Affairs, Cepheid
"The Challenge of Controlling MRSA and Clostridium difficile in Hospitals and the Community"

Professor Yi-Wei Tang (USA), Associate Professor of Medicine and Pathology, Director of the Infectious Disease Laboratory, Vanderbilt University Medical Center
"Molecular Niches for Laboratory Diagnosis of Bloodstream Infections: State-of-the-art"

12:30p.m. - 2:00p.m.

Lunch Break

2:00p.m. - 3:30p.m.

Keynote speech

Topics

Haematological Malignancies Chairpersons: Dr CK Lee; Dr Thomas Wan

Dr. William WL Choi (Hong Kong), Assistant Professor, Division of Haematology, Department of Pathology, The University of Hong Kong
"Mutations in cytogenetically normal Acute Myeloid Leukaemia"

Dr. Anskar YH Leung (Hong Kong), Associate Professor, Department of Medicine, The University of Hong Kong
"The Impact of Gene Mutations on the Treatment of Acute Myeloid Leukaemia with Special Reference to FLT3 Internal Tandem Duplication"

Dr. Edmond SK Ma (Hong Kong), Director, Clinical Pathology & Molecular Pathology, Department of Pathology, HK Sanatorium & Hospital
"Molecular monitoring of leukaemia"

3:30p.m. - 4:00p.m.

Tea break

4:00p.m. - 6:00p.m.

Keynote speech

Topics

Molecular Diagnostic Technology

Chairpersons: Professor Wu Tsu-Lan; Dr WC Yam

Professor Jian Han (USA), Principal Investigator, HudsonAlpha, Institute for Biotechnology
"iCubate platform: multiplex PCR, automated, closed"

Professor David Y Zhang (USA), Associate Professor, Dept. Of Pathology, Mount Sinai Medical Center, New York
"Molecular Diagnosis of Viral Related CNS Lymphoma"

Professor Jang-Jih Lu (Taiwan), Director and Professor, Department of Laboratory Medicine, China Medical University Hospital
"Evaluation of Rapid Detection of Mycobacterium tuberculosis and the Antibiotic Resistance by Real Time PCR, Mini-sequencing and High Resolution Melting Analysis Method from Sputums and Peripheral Blood of TB patients"

Professor James Linder (USA), Department of Pathology and Microbiology, University of Nebraska Medical Center.
"Molecular approaches to Cervical Cancer Screening: HPV and beyond"

CME/CPD

Accreditation:

Hong Kong College of Pathologists: 6 CME points

Medical Laboratory Technologists Board: 6 CPD Points

15th August 2010 (Sunday)

Time

Venue

Cheung On Tak Lecture Theater, The Hong Kong Polytechnic University

8:00a.m. - 9:00a.m.

Registration

9:00a.m. – 10:00a.m.

Plenary Lecture **Chairperson: Dr Timothy Yip**

Professor Benjamin Y.M. Yung (Hong Kong), *Head of Department & Chair Professor of Biomedical Science, The Hong Kong Polytechnic University*
"Understanding of Molecules and/or Biomarkers in Personalized Health"

10:00a.m. - 10:30a.m.

Tea Break

10:30a.m. - 12:30p.m.

Keynote speech

Topics

Genetic Diseases Chairpersons: Dr CC Tam; Dr Chris Wong

Professor Daniel Chiu (Taiwan), *Graduate Institute of Medical Biotechnology, Chang Gung University, Department of Clinical Pathology, Chang Gung Memorial Hospital.*
"Identification of Biomarkers of Guillain-Barre Syndrome by Metabolomic Approach"

Dr. Stephen T S Lam (Hong Kong), *Consultant Clinical Geneticist, Clinical Genetic Services, Department of Health, Hong Kong Special Administrative Region (HKSAR) Government*
"Application of Genomics to Paediatrics"

Professor Ching-Wan Lam (Hong Kong), *Professor of Chemical Pathology, Department of Pathology, The University of Hong Kong*
"Microarrays in Theranostics"

12:30p.m. - 2:00p.m.

Lunch Break

2:00p.m. - 3:30p.m.

Keynote speech

Topics

Quality Control for Molecular Diagnostics

Chairpersons: QCMD representative; Mr. Stephen Lo

Dr. Paul Wallace (UK), *Quality Manager, Quality Control for Molecular Diagnostics, Glasgow*
"Quality Assessment: What is appropriate in the Molecular diagnostic setting?"

Professor Rob Schuurman (Belgium), *Molecular Virologist, Dept. of Virology, University Medical Center Utrecht*
"Work flow optimization for home-brew molecular diagnostics assays: The Dutch approach"

Professor HGM Niesters (Netherlands), *University Medical Center Groningen, Department of Medical Microbiology, Division of Clinical Virology*
Molecular diagnostics in clinical virology. What is next?

3:30p.m. - 4:00p.m.

Tea break

4:00p.m. - 6:00p.m.

Keynote speech

Topics

Infectious diseases Chairpersons: Dr Raymond Yung; Dr Thomas Ling

Dr Mark Wilks (UK), *Principal Microbiologist, Centre for Infectious Diseases, Barts and the London NHS Trust, London School of Medicine and Dentistry*
"Matrix-assisted laser desorption ionization time-of-flight (MALDI-TOF), a revolution in the identification of bacteria in the Diagnostic laboratory?"

Professor Wayne Yun F Wang (USA), *Director of Microbiology, Immunology, Molecular Diagnostics, Grady Memorial Hospital, Atlanta*
"Quality molecular testing in diagnosis of infectious diseases"

CME/CPD

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