



HONG KONG SOCIETY FOR MOLECULAR DIAGNOSTIC SCIENCES LIMITED

香港分子生物診斷學會

c/o The Federation of Medical Societies of Hong Kong  
 4th Floor, Duke of Windsor Social Service Building, 15, Hennessy Road, Hong Kong  
 電話 Tel: (852)2541 0802 傳真 Fax: (852) 3743 4679  
 網址 <http://www.hksmds.org> 電郵 E-mail: [contactus@hksmds.org](mailto:contactus@hksmds.org)

## 2023 Molecular Pathology Series (ASCPi)

**Venue:** Lecture Hall, Federation of Medical Societies of Hong Kong, 4th Floor, Duke of Windsor Social Service Building, 15 Hennessy Road, Wanchai, Hong Kong

**Time:** 6:30 to 9:30 PM

Date	Topic	Instructor
<b>7 Sep (THU)</b>  <b>MLT Board 3.0</b> <b>CPD points &amp; Programme</b> <b>Code:</b> <b>09230011</b>	<b>Molecular Science I</b> 1. Nucleic Acid Chemistry 2. Structure of DNA and RNA 3. Nomenclature of Nucleic Acid 4. Polymerase Structures and Functions	Dr Chris WONG Amber Medical Group Limited
<b>14 Sep (THU)</b>  <b>MLT Board 3.0</b> <b>CPD points &amp; Programme</b> <b>Code:</b> <b>09230021</b>	<b>Molecular Science II</b> 1. The Cell Cycle 2. DNA Replication and Cell Division 3. Structure of Chromosomes 4. Nomenclature of Chromosomes 5. Cytogenetic practice	Prof Thomas WAN Hong Kong Sanatorium & Hospital
<b>21 Sep (THU)</b>  <b>MLT Board 3.0</b> <b>CPD points &amp; Programme</b> <b>Code:</b> <b>09230031</b>	<b>Molecular Science III</b> 1. Gene Structure, Expression, and Control of Expression 2. Gene Structure 3. Transcription 4. Translation 5. Control of Gene Expression 6. Genetic Anomalies: Acquisition and Types i. Inherited Defects and Acquired Defects ii. Autosomal Dominant and Autosomal Recessive iii. X-linked Recessive iv. Structural and Numerical Chromosome Anomalies v. Microdeletion Syndromes vi. Mitochondrial Inheritance vii. Genomic Imprinting viii. Trinucleotide Repeat Disorders	Prof S P YIP The Hong Kong Polytechnic University
<b>28 Sep (THU)</b>  <b>MLT Board 3.0</b> <b>CPD points &amp; Programme</b> <b>Code:</b> <b>09230041</b>	<b>Molecular Techniques I</b> 1. Nucleic Acid Amplification Techniques 2. Direct Sequence Analysis (DNA Sequencing) 3. Southern Blot Analysis 4. Western Blot Analysis	Dr Timothy YIP Lucence Diagnostics



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<b>5 Oct (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230051</i>	<b>Molecular Techniques II</b> 1. Loss of Heterozygosity (LOH) 2. DNA Microarray 3. Methylation Assays	Dr Timothy YIP Lucence Diagnostics
<b>12 Oct (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230061</i>	<b>Molecular Techniques III</b> 1. In Situ Hybridization 2. FISH 3. Prenatal Diagnosis 4. Carrier Testing 5. Variable Number Tandem Repeats (VNTR) 6. Mutation Scanning 7. Proteomics 8. HLA Typing	Prof Thomas WAN Hong Kong Sanatorium & Hospital and Dr Tommy AU Hong Kong Sanatorium & Hospital
<b>19 Oct (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230071</i>	<b>Quality Assurance in Molecular Biology</b>	Mr Stephen LO External Quality Assurance Scheme Chairman of HKSMDs
<b>24 Oct (TUE)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230081</i>	<b>Application of Molecular Testing I Chromosomal and Microdeletion Disorders</b> <b>Examples:</b> <b>Turner Syndrome (TUEosomy X; 45, X)</b> <b>Down Syndrome</b> <b>Fragile X Syndrome</b> <b>Cri-du-Chat Syndrome</b>	Prof Stephen LAM Hong Kong Sanatorium & Hospital
<b>2 Nov (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230091</i>	<b>Application of Molecular Testing II</b> 1. Renal Diseases 2. Endocrine Disorders 3. Cardiovascular Diseases 4. Gastrointestinal, Hepatobiliary, and Pancreatic Diseases 5. Metabolic, Mitochondrial, and Lipid Disorders 6. Neuromuscular Diseases	Prof Stephen LAM Hong Kong Sanatorium & Hospital



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<b>9 Nov (THU)</b>  <b>MLT Board 3.0            CPD points &amp;            Programme            Code:            09230101</b>	<b>Application of Molecular Testing III</b> 1. Disorders of Coagulation and Thrombosis 2. Non-neoplastic Hematologic Disorders 3. Neoplastic Hematology 4. Immunologic Disorders 5. Autoimmunity	Dr Edmond MA Hong Kong Sanatorium & Hospital
<b>16 Nov (THU)</b>  <b>MLT Board            3.0 CPD            points &amp;            Programme            Code:            09230111</b>	<b>Application of Molecular Testing IV</b> Infectious Diseases & Microbiology 1. Assay design in clinical microbiology 2. Pathogen detection and monitoring 3. Microbial Sanger Sequencing and Next Generation Sequencing 4. MALDI-TOF for bacterial/fungal identification 5. Clinical applications <ul style="list-style-type: none"> <li>- Respiratory virus (COVID-19, Influenza) detection and typing</li> <li>- Rapid detection of Multi-drug Resistant Organisms</li> <li>- Outbreak investigation by using NGS</li> <li>- NGS bioinformatics for microbial infections</li> </ul>	Dr Jonathan Chen Queen Mary Hospital
<b>21 Nov (TUE)</b>  <b>MLT Board            3.0 CPD            points &amp;            Programme            Code:            09230121</b>	<b>Application of Molecular Testing V</b> Solid Tumors 1. Lung NSCLC, 2. Colorectal Carcinoma 3. Breast Carcinoma 4. Soft Tissue Tumors 5. CNS Tumors	Dr C H KAN St Teresa's Hospital
<b>30 Nov (THU)</b>  <b>MLT Board 3.0            CPD points &amp;            Programme            Code:            09230131</b>	<b>ISO 15189 requirements for medical laboratory quality system – Part 1</b>	Dr Lillian CHOW HKAS accreditation officer



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Date	Topic	Instructor
<b>7 Dec (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230141</i>	<b>ISO 15189 requirements for medical laboratory quality system – Part 2</b>	Dr Lillian CHOW HKAS accreditation officer
<b>14 Dec (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230151</i>	<b>Workshop I</b> Basic Molecular Sciences Primer design	Dr Chris WONG Amber Medical Group Limited
<b>21 Dec (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230161</i>	<b>Workshop II</b> <b>Results interpretation &amp; Quality Assurance for Infectious diseases:</b> <ol style="list-style-type: none"><li>1. Viral Hepatitis</li><li>2. Multi-drug resistance in microorganisms:<ol style="list-style-type: none"><li>a. Human Immunodeficiency Virus</li><li>b. Mycobacteria</li></ol></li><li>3. Test Evaluation &amp; Validation; pitfalls; Measurement Uncertainty; Risk Analysis and Management</li></ol>	Dr W C YAM The University of Hong Kong
<b>28 Dec (THU)</b>  <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230171</i>	<b>Workshop III</b> Application of Molecular Testing Haematopathology	Dr Edmond MA Hong Kong Sanatorium & Hospital



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<b>4 Jan (THU)</b> <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230181</i>	<b>Workshop IV</b> Application of Molecular Testing Chemical pathology 1) Inborn errors of metabolism: a) Metabolic diseases in neonatal period with case illustration b) Metabolic/endocrine disorders with case illustration c) Mitochondrial diseases with case illustration 2) Pharmacogenetics testing with case illustration	Ms. Y P IU, Queen Elizabeth Hospital
<b>11 Jan (THU)</b> <i>MLT Board 3.0 CPD points &amp; Programme Code: 09230191</i>	<b>Workshop V</b> Application of Molecular Testing: Histopathology & Cytology - Results interpretation Quality Assurance in Molecular Biology	Mr Stephen LO External Quality Assurance Scheme Chairman of HKSMDS
<b>22 Feb (THU)</b>	<b>Examination</b>	Mr W T Hui Hon Secretary HKSMDS
<b>29 Feb (THU)</b>	<b>Supplementary Examination</b>	Mr W T Hui Hon Secretary HKSMDS
<b>5 Mar (TUE)</b>	<b>Revision</b>	Mr W T Hui Hon Secretary HKSMDS