

**The University of Hong Kong
Department of Pathology**

**Postgraduate Diploma/Certificate in Molecular and Diagnostic Pathology
Molecular Pathology, Module 2**

PATH6002 Clinical Applications of Molecular Testing

Module Coordinators: Prof. US Khoo & Prof. Annie Cheung

4 & 11 June 2011

Venue: Room 004, University Pathology Building, Queen Mary Hospital
Room 331, University Pathology Building, Queen Mary Hospital

<i>Saturday, 4th June 2011</i>		<i>Venue: Room 004</i>		Hours
Time	Topics	Lecturers		
8.30 am - 9.30 am	Principles of HPV testing, its clinical relevance and the various methods of genotyping.	Prof. Annie Cheung		1
9.30 am - 11.30 am	Practical - HPV Testing (Room 129/237)	Prof. Annie Cheung		2
Break				
11.45 am - 12.45 pm	Hepatitis B virus infection – testing for viral load and HBV DNA mutants detection.	Prof. Irene Ng / Dr Danny Wong		1
12.45 pm - 1.45 pm	Quantification of EBV DNA plasma for EBV associated diseases.	Prof. Gopesh Srivastava		1
Lunch Break				
2.45 pm - 3.45 pm	PCR for gene rearrangement and translocations for haematolymphoid malignancies and soft tissue tumors	Prof. Gopesh Srivastava		1
3.45 pm - 5.45 pm	Practical - Testing for HBV Viral Load (Room 331/TBC) - PCR for gene rearrangement	Prof. Irene Ng / Dr Danny Wong Prof. Gopesh Srivastava		2
Break				
6.00 pm - 7.00 pm	Gene expression profiling for haematolymphoid malignancies	Prof. Gopesh Srivastava		1
7.00 pm - 8.00 pm	Laboratory management issues in molecular testing	Prof. Gopesh Srivastava		1

<i>Saturday, 11th June 2011</i>		<i>Venue: Room 004</i>		Hours
Time	Topics	Lecturers		
8.30 am - 9.30 am	Laboratory management issues in molecular testing	Prof. Annie Cheung		1
9.30 am - 10.30 am	Detection of BCR-ABL1 Fusion Transcript and Kinase Domain Mutation in CML	Dr. Jason So		1
10.30 am - 11.30 am	KRAS mutation detection for colorectal cancer	Dr. Chris Chan		1
Break				
11.45 am - 12.45 pm	Practical - Testing for KRAS & BCR/ABL Kinase Mutation (Room 004/331)	Dr. Jason So & Dr. Chris Chan		1
Lunch Break				
1.45 pm - 2.45 pm	c-kit mutation detection for gastrointestinal stromal tumors / RET and Menin gene mutation detection for Multiple endocrine neoplasia syndrome	Prof. US Khoo		1
2.45 pm - 3.45 pm	EGFR mutation in lung cancer	Dr Maria Wong		1
Break				
4.00 pm - 5.00 pm	In-situ hybridization tests: EBER; Kappa/Lambda; HER2 amplification in breast cancer; FISH test for early bladder cancer detection.	Prof. US Khoo		1
5.00 pm - 6.00 pm	Practical - EGFR & c-kit Mutation Testing (Room 331) - ISH Tests	Prof. US Khoo & Dr Maria Wong		1

<i>Saturday, 16th July 2011</i>				
(Deadline)	Self Assessment Exercises	--		6
10:00 am - 10:00 pm	MCQ Quiz			1.5