

**THE UNIVERSITY OF HONG KONG  
LI KA SHING FACULTY OF MEDICINE**

**Master of Molecular and Diagnostic Pathology  
Molecular Pathology, Course 5**

**MMDP7009 Clinical Applications of Genetic Testing in Inherited Diseases and Genetic Counselling**

Course Coordinators: Professor CW Lam & Professor Ui-Soon Khoo

Date	Time	No. of hour(s)	Topic	Teaching mode	Teacher	Dept	Venue	
06/07/2024 (Saturday) 7 hrs	<b>Session 1</b>							
	8:50 – 9:00 am		Briefing by the course coordinator		Prof CW Lam	Path, HKU	QMH (T06-035)	
	9:00 – 10:00 am	1	Clinical Genome and Exome Sequencing (CGES)	Lecture	Prof CW Lam	Path, HKU		
	10:00 – 11:00 am	1	Clinical Genome and Exome Sequencing (CGES)	Tutorial	Prof CW Lam	Path, HKU		
	Break							
	11:15 - 11:30 am		Staff-Student Consultative Meeting of MMDP7003 & MMDP7007		Prof Khoo/ Prof Lam/ Prof Yam			
	11:30 - 12:30 pm	1	Autism spectrum disorders (ASD)	Lecture	Prof CW Lam	Path, HKU		
	12:30 - 13:30 pm	1	Undiagnosed Diseases Program	Lecture	Prof CW Lam	Path, HKU		
	Lunch Break							
	14:30 – 15:30 pm	1	Renal and pulmonary genetics	Lecture	Prof CW Lam	Path, HKU		
	15:30 – 16:30 pm	1	Ethical and legal aspects	Tutorial	Dr Hencher Lee	Path, PMH		
16:30 - 17:30 pm	1	Pharmacogenetics	Lecture	Dr WT Poon	Path, PYNEH			
13/07/2024 (Saturday) 7 hrs	<b>Session 2</b>							
	9:00 – 10:00 am	1	Neurogenetics and neuromuscular diseases	Lecture	Dr Stella Leung	Path, KWH	QMH (T06-035)	
	10:00 – 11:00 am	1	Neurogenetics and neuromuscular diseases	Tutorial	Dr Stella Leung	Path, KWH		
	Break							
	11:15 – 12:15 am	1	Inherited metabolic diseases and endocrine disorders	Tutorial	Dr Felix Wong	Path, QMH		
	12:15 - 13:15 pm	1	Lysosomal storage diseases	Tutorial	Dr Felix Wong	Path, QMH		
	Lunch Break							
	14:15 – 14:45 pm	0.5	Bone disorders	Tutorial	Dr Felix Wong	Path, QMH		
	14:45 – 15:15 pm	0.5	Inherited mitochondrial diseases	Tutorial	Dr Felix Wong	Path, QMH		
	Break							
15:30 - 16:30 pm	1	Biochemical diagnosis of acute Inborn Errors of Metabolism (IEM) patients	Lecture	Dr Felix Wong	Path, QMH			
Feb 2024 lab visit week	1	QMH Lab visit	Lab visit	Dr Felix Wong	Path, QMH			
20/07/2024 (Saturday) 8 hrs	<b>Session 3</b>							
	9:00 - 10:00 am	1	Next-generation sequencing – case application	Lecture	Dr Luk Ho-Ming	CGSU	TBC	
	10:00 – 11:00 am	1	Principles of genetic counseling	Lecture	Dr Luk Ho-Ming	CGSU		
	11:00 – 12:00 nn	1	Clinical Consultation cases	Tutorial	Dr Luk Ho-Ming	CGSU		
	Lunch Break							
	13:00 – 14:00 pm	1	Prenatal molecular cytogenetics	Lecture	Dr Eunice Lau	O&G, TYH		
	14:00 – 15:00 pm	1	Preimplantation genetic diagnosis (PGD)	Lecture	Prof William Yeung	O&G, HKU		
	Break							
	15:15 – 16.15 pm	1	Constitutional cytogenetics	Lecture	Dr Luk Ho-Ming	CGSU		
16:15 - 17:15 pm	1	Interpretation of prenatal cytogenetic reports	Practicum	Dr Luk Ho-Ming / Ms Winnie Lam	CGSU; O&G, TYH			
Feb 2024 lab visit week	1	TYH laboratory visit	Lab visit	Ms Winnie Lam	O&G, TYH			