

Master of Molecular and Diagnostic Pathology
Molecular Pathology Practical Session

Venue: Teaching Laboratory, Room 02-019, Block T, Queen Mary Hospital

Research postgraduate student helper:

Group 1	Group 2	Group 3
Group 4	Group 5	

AM:	Briefing	
	Extraction of RNA / DNA and set up of RT and PCR reaction	
	RNA extraction 1. Extract RNA from cell culture using QIAamp RNA Blood Mini Kit (Protocol A) Set RT and PCR 2. Set RT reaction with RNA provided [BCR-ABL] (Protocol D) 3. Set PCR reaction with RT reaction product [BCR-ABL] (Protocol E)	DNA extraction 4. Extract DNA from cell culture using QIAamp DNA Blood Kit (Protocol B) Set PCR 5. <u>Set PCR reaction with DNA provided [G6PC] (Protocol E)</u>
PM:	Briefing on agarose gel electrophoresis	
	To check integrity of extracted RNA / DNA	To analyze PCR products size and quality
	6. Load RNA / DNA extracted from whole blood onto agarose gel (Protocol C) 7. Visualize gel image and examine result	8. Load PCR products onto agarose gel (Protocol C) 9. Visualize gel image and examine result

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

**Master of Molecular and Diagnostic Pathology
Molecular Pathology Practical Session**

Date: March 1, 2026 (Sunday)

Time: 9:00 am - 5:00 pm

Venue: Teaching Laboratory, Room 02-019, Block T, Queen Mary Hospital

Teacher in charge: Prof Jack Wong

Technician in charge: Ms Joyce Lee

Research postgraduate student helper:

Group 1	Group 2	Group 3
Group 4	Group 5	

AM:	Briefing
	Formalin-fixed paraffin embedded tissue (FFPE) micro-dissection, DNA sequencing, qPCR
	<ol style="list-style-type: none">1. Set sequencing reaction [G6PC] (Protocol G)2. Demonstrate micro-dissection of FFPE by Annie Chan3. Explain procedure of DNA extraction from FFPE (Protocol F)4. Set qPCR reaction [DLC1] (Protocol H)
PM:	Briefing
	FFPE micro-dissection, analysis of qPCR and DNA sequencing results
	<ol style="list-style-type: none">5. Resolve DNA extracted from FFPE (sample to be provided) using agarose gel electrophoresis6. Practice micro-dissection of FFPE7. Visualize gel image and examine the integrity of the extracted DNA8. Analyze qPCR result and sequencing results9. Demonstrate DNA sequencing result analysis

Master of Molecular and Diagnostic Pathology
Molecular Pathology Practical Session

Venue: Room 035, 6/F, Block T, QMH

Group List for Part II

The University of Hong Kong
Department of Pathology

Master of Molecular and Diagnostic Pathology
Molecular Pathology Laboratory Visit

Date: March 3, 2026 (Tuesday)

Time: 10.00 am – 4.30 pm

For each lab visit, please arrive 15 minutes prior to the schedule for registration.

Part I: Anatomical Pathology Molecular Visit				
Meet up venue: Room 035, 6/F, Block T, QMH				
10.00 – 10.30 am	*Group 1			Dr LK Chan
10.30 – 11.00 am		*Group 2		Dr LK Chan
11.00 – 11.30 am			*Group 3	Dr LK Chan
<i>Lunch</i>				
Part II: Visit to Hong Kong Genome Institute (lead by Prof US Khoo (TBC))				
Meet up venue: Room 035, 6/F, Block T, QMH				
1.00 pm	Meet up at Room T06-035, QMH. Transport arrangement to HKGI			Prof US Khoo (TBC)
2.10 pm	Both Group A and Group B join in Meeting Room of HKGI			Mr Kevin Ho
2.15 - 2.35 pm	Welcome and Introduction of HKGI			Mr Kevin Ho
2.35 – 3.00 pm	#Group A Guided Lab Tour			Mr Kevin Ho
3.00 – 3.25 pm		#Group B Guided Lab Tour		Mr Kevin Ho
3.25 – 4.25 pm	Lecture			Dr Amy Tong, Dr Brian Chung
4.30 pm	Transport arrangement back to QMH			Prof US Khoo (TBC)

March 3, 2026 (Tuesday)

* Group List for Part I

[illegible]

Group List for Part II

[illegible][illegible]

Master of Molecular and Diagnostic Pathology

Molecular Pathology Laboratory Visit

Time: 9.30 am – 6.00 pm

Part I: Haematology Lab visit (lead by Andrew)				
Meet up venue: Room 035, 6/F, Block T, QMH				
9.30 – 10.00 am	*Group 1			(Prof Albert Sin to arrange)
Part II: Visit to Centre for PanorOmic Sciences (lead by Mr Wai Kong) (ALL students)				
Meet up venue: Room 035, 6/F, Block T, QMH				
1.30 pm	Meet up at T06-035, QMH Walk down to LT2, William M.W. Mong Block		Mr Wai Kong	
2.00 – 4.00 pm	Briefing Session		Dr Hin Kwok	
	Visit CPOS Centre		Dr Hin Kwok	
Part III: Chemical Pathology Lab visit (lead by Prof Annie Cheung & Gigi)				
Meet up venue: Room 035, 6/F, Block T, QMH				
5.00 – 5.30 pm	#Group A		Prof CW Lam	
5.30 – 6.00 pm		#Group B	Prof CW Lam	

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

**Master of Molecular and Diagnostic Pathology
Molecular Pathology Laboratory Visit**

Date: March 5, 2026 (Thursday)

Time: 9.30 am – 4.15 pm

For each lab visit, please arrive 15 minutes prior to the schedule for registration.

Part I: Haematology Lab visit (lead by Wai)				
Meet up venue: Room 035, 6/F, Block T, QMH				
9.30 – 10.00 am		*Group 2		(Prof Albert Sin to arrange)
Part II: Immunology Lab visit (lead by Prof Annie Cheung)				
Meet up venue: Room 035, 6/F, Block T, QMH				
11.00 - 12.00 pm	^1 Group only (MMDP7010 students only)			Dr Ricky Ip
Lunch				
Part II: Histopathology Lab visit (lead by Wai & Andrew)				
Meet up venue: Room 035, 6/F, Block T, QMH				
2.30 – 3.15 pm	#Group A			Dr Tony Shek
3.30 – 4.15 pm			#Group B	Dr Tony Shek

March 5, 2026 (Thursday)

* Group List for Part I

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^ Group List for Part II (MMDP7010 students only)

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Group List for Part III

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Master of Molecular and Diagnostic Pathology

Molecular Pathology Laboratory Visit

Time: 9.30 am – 7.00 pm

Part I: Haematology Lab visit (lead by Prof Annie Cheung) Meet up venue: Student Lab 02-019, 2/F, Block T, QMH				
9.30 – 10.00 am			*Group 3	(Prof Albert Sin to arrange)
Part II: Tsan Yuk Hospital Lab visit (lead by Gigi) Meet up venue: Student Lab 02-019, 2/F, Block T, QMH				
5.30 pm	Meet up at Room T02-019, QMH. Transport arrangement to Tsan Yuk Hospital			Ms Gigi Cheung
6.00 – 6.30 pm	#Group A			Ms Winnie Lam
6.30 – 7.00 pm		#Group B		Ms Winnie Lam
Dismiss at Tsan Yuk Hospital				

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