

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

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

**Date:** **February 28, 2026 (Saturday)**

**Time:** **9:00 am - 5:00 pm**

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

Teacher in charge: Prof Judy Yam, Dr Kelvin Chan

Technician in charge: Ms Aki Tse

Research postgraduate student helper:

<b>Group 1</b>	<b>Group 2</b>	<b>Group 3</b>
Dr. Ieong Sio Lei	Mr. Yuen Man Chung	Dr. Ng Ka Man Joanna
Mr. Chan O Cheung Owen	Mr. Chan Shing Hin Hugo	Mr. Chan Wai Hon
Miss Hui Lok Yung	Mr. Ko Ho Yuk	Ms. Shahzad Anosha
Miss Li Man	Ms. Li Ying Lam	Miss Liu Yingzhi
Ms. Yeung Shu Nga	Miss Young Yee Law Vinia	Miss Yu Ching Man
<b>Group 4</b>	<b>Group 5</b>	
Dr. Siy Waldemar Tan	Dr. Wang Samuel Sherng Young	
Mr. Chon Hok Wai	Miss Fong Suet Ying	
Miss Lee Hiu Ching	Miss Leung Hui Ching	
Mr. Lai Ka Him	Miss So Yi Ni	
Ms. Yu Ka Man	Miss Yu Wing Ching	

**Prof Khoo: Welcome and brief introduction to the week**

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

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**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:

<b>Group 1</b>	<b>Group 2</b>	<b>Group 3</b>
Dr. Ieong Sio Lei	Mr. Yuen Man Chung	Dr. Ng Ka Man Joanna
Mr. Chan O Cheung Owen	Mr. Chan Shing Hin Hugo	Mr. Chan Wai Hon
Miss Hui Lok Yung	Mr. Ko Ho Yuk	Ms. Shahzad Anosha
Miss Li Man	Ms. Li Ying Lam	Miss Liu Yingzhi
Ms. Yeung Shu Nga	Miss Young Yee Law Vinia	Miss Yu Ching Man
<b>Group 4</b>	<b>Group 5</b>	
Dr. Siy Waldemar Tan	Dr. Wang Samuel Sherng Young	
Mr. Chon Hok Wai	Miss Fong Suet Ying	
Miss Lee Hiu Ching	Miss Leung Hui Ching	
Mr. Lai Ka Him	Miss So Yi Ni	
Ms. Yu Ka Man	Miss Yu Wing Ching	

<b>AM:</b>	Briefing
	Formalin-fixed paraffin embedded tissue (FFPE) micro-dissection, DNA sequencing, qPCR
	<ol style="list-style-type: none"><li>1. Set sequencing reaction <b>[G6PC]</b> (<b>Protocol G</b>)</li><li>2. Demonstrate micro-dissection of FFPE by Annie Chan</li><li>3. Explain procedure of DNA extraction from FFPE (<b>Protocol F</b>)</li><li>4. Set qPCR reaction <b>[DLC1]</b> (<b>Protocol H</b>)</li></ol>
<b>PM:</b>	Briefing
	FFPE micro-dissection, analysis of qPCR and DNA sequencing results
	<ol style="list-style-type: none"><li>5. Resolve DNA extracted from FFPE (sample to be provided) using agarose gel electrophoresis</li><li>6. Practice micro-dissection of FFPE</li><li>7. Visualize gel image and examine the integrity of the extracted DNA</li><li>8. Analyze qPCR result and sequencing results</li><li>9. Demonstrate DNA sequencing result analysis</li></ol>

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

**Date: March 2, 2026 (Monday)**

**Time: 9.30 am – 5.00 pm**

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

Part I: Sequencing interpretation for different molecular tests with individual teachers (ALL students)			
9.30 – 9.40 am	Briefing Session	Prof Judy Yam	
9.40 - 10.30 am	BCR-ABL1 kinase domain mutation detection	(Prof Albert Sin to arrange)	
<i>Break</i>			
10.50 - 11.40 am	Analysis and interpretation of new tests in lung cancer management	Dr Lo Kong Chan	
11.40 - 12.30 pm	Genetic testing for a rare disease	Prof CW Lam	
<i>Lunch</i>			
Part II: Lab visit (Rotate 2 groups of 14-15 students per group, to the following 3 activities) (lead by Wai & Andrew)			
	#Group A	#Group B	Gathering Venue
2.00 - 3.00 pm	HBV Q PCR (T06-035 -> T06-041)	Flow cytometry (T06-035 -> T14-004)	Room 035, 6/F, Block T, QMH
3.00 - 4.00 pm	Flow cytometry (T06-041-> T14-004)	HER2 FISH and HPV (T14-004 -> T10-034)	
4.00 - 5.00 pm	HER2 FISH and HPV (T14-004 -> T10-034)	HBV Q PCR (T10-034 ->T06-035-> T06->041)	
HBV Q PCR (T06-041) by Dr Danny Wong Flow cytometry (T14-004) by Dr Ricky Ip HER2 FISH and HPV testing (T10-034) by Ms Obe Tsun			

**# Group List for Part II**

Group A (students)
Dr. Ieong Sio Lei
Mr. Chan O Cheung Owen
Miss Hui Lok Yung
Miss Li Man
Ms. Yeung Shu Nga
Mr. Yuen Man Chung
Mr. Chan Shing Hin Hugo
Mr. Ko Ho Yuk
Ms. Li Ying Lam
Miss Young Yee Law Vinia
Dr. Ng Ka Man Joanna
Mr. Chan Wai Hon
Mr. Lai Ka Him

Group B (students)
Miss Liu Yingzhi
Miss Yu Ching Man
Dr. Siy Waldemar Tan
Mr. Chon Hok Wai
Miss Lee Hiu Ching
Ms. Shahzad Anosha
Ms. Yu Ka Man
Dr. Wang Samuel Sherng Young
Miss Fong Suet Ying
Miss Leung Hui Ching
Miss So Yi Ni
Miss Yu Wing Ching

**The University of Hong Kong  
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**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.**

<b>Part I: Anatomical Pathology Molecular Visit</b>					
<b>Meet up venue: Room 035, 6/F, Block T, QMH</b>					
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>					
<b>Part II: Visit to Hong Kong Genome Institute (lead by Prof US Khoo (TBC))</b>					
<b>Meet up venue: Room 035, 6/F, Block T, QMH</b>					
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

Group 1 (students)	Group 2 (students)	Group 3 (students)
Dr. Ieong Sio Lei	Ms. Li Ying Lam	Mr. Chon Hok Wai
Mr. Chan O Cheung Owen	Miss Young Yee Law Vinia	Miss Lee Hiu Ching
Miss Hui Lok Yung	Dr. Ng Ka Man Joanna	Ms. Shahzad Anosha
Miss Li Man	Mr. Chan Wai Hon	Ms. Yu Ka Man
Ms. Yeung Shu Nga	Mr. Lai Ka Him	Dr. Wang Samuel Sherng Young
Mr. Yuen Man Chung	Miss Liu Yingzhi	Miss Fong Suet Ying
Mr. Chan Shing Hin Hugo	Miss Yu Ching Man	Miss Leung Hui Ching
Mr. Ko Ho Yuk	Dr. Siy Waldemar Tan	Miss So Yi Ni
		Miss Yu Wing Ching

### # Group List for Part II

Group A (students)
Dr. Ieong Sio Lei
Mr. Chan O Cheung Owen
Miss Hui Lok Yung
Miss Li Man
Ms. Yeung Shu Nga
Mr. Yuen Man Chung
Mr. Chan Shing Hin Hugo
Mr. Ko Ho Yuk
Ms. Li Ying Lam
Miss Young Yee Law Vinia
Dr. Ng Ka Man Joanna
Mr. Chan Wai Hon
Mr. Lai Ka Him

Group B (students)
Miss Liu Yingzhi
Miss Yu Ching Man
Dr. Siy Waldemar Tan
Mr. Chon Hok Wai
Miss Lee Hiu Ching
Ms. Shahzad Anosha
Ms. Yu Ka Man
Dr. Wang Samuel Sherng Young
Miss Fong Suet Ying
Miss Leung Hui Ching
Miss So Yi Ni
Miss Yu Wing Ching

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**Molecular Pathology Laboratory Visit**

**Date: March 4, 2026 (Wednesday)**

**Time: 9.30 am – 6.00 pm**

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

<b>Part I: Haematology Lab visit (lead by Andrew)</b> <b>Meet up venue: Room 035, 6/F, Block T, QMH</b>				
9.30 – 10.00 am	*Group 1			(Prof Albert Sin to arrange)
<b>Part II: Visit to Centre for PanorOmic Sciences (lead by Mr Wai Kong) (ALL students)</b> <b>Meet up venue: Room 035, 6/F, Block T, QMH</b>				
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
<b>Part III: Chemical Pathology Lab visit (lead by Prof Annie Cheung &amp; Gigi)</b> <b>Meet up venue: Room 035, 6/F, Block T, QMH</b>				
5.00 – 5.30 pm	#Group A			Dr Jacky Ling
5.30 – 6.00 pm		#Group B		Dr Jacky Ling

\* Group List for Part I

Group 1 (students)
Dr. Ieong Sio Lei
Mr. Chan O Cheung Owen
Miss Hui Lok Yung
Miss Li Man
Ms. Yeung Shu Nga
Mr. Yuen Man Chung
Mr. Chan Shing Hin Hugo
Mr. Ko Ho Yuk

#Group List for Part III:

Group A (students)
Dr. Ieong Sio Lei
Mr. Chan O Cheung Owen
Miss Hui Lok Yung
Miss Li Man
Ms. Yeung Shu Nga
Mr. Yuen Man Chung
Mr. Chan Shing Hin Hugo
Mr. Ko Ho Yuk
Ms. Li Ying Lam
Miss Young Yee Law Vinia
Dr. Ng Ka Man Joanna
Mr. Chan Wai Hon
Mr. Lai Ka Him

Group B (students)
Miss Liu Yingzhi
Miss Yu Ching Man
Dr. Siy Waldemar Tan
Mr. Chon Hok Wai
Miss Lee Hiu Ching
Ms. Shahzad Anosha
Ms. Yu Ka Man
Dr. Wang Samuel Sherng Young
Miss Fong Suet Ying
Miss Leung Hui Ching
Miss So Yi Ni
Miss Yu Wing Ching

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**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.**

<b>Part I: Haematology Lab visit (lead by Wai)</b> <b>Meet up venue: Room 035, 6/F, Block T, QMH</b>						
9.30 – 10.00 am		*Group 2		(Prof Albert Sin to arrange)		
<b>Part II: Immunology Lab visit (lead by Prof Annie Cheung)</b> <b>Meet up venue: Room 035, 6/F, Block T, QMH</b>						
11.00 - 12.00 pm	^1 Group only (MMDP7010 students only)		Dr Ricky Ip			
<i>Lunch</i>						
<b>Part III: Histopathology Lab visit (lead by Wai &amp; Andrew)</b> <b>Meet up venue: Room 035, 6/F, Block T, QMH</b>						
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**

Group 2 (students)
Ms. Li Ying Lam
Miss Young Yee Law Vinia
Dr. Ng Ka Man Joanna
Mr. Chan Wai Hon
Mr. Lai Ka Him
Miss Liu Yingzhi
Miss Yu Ching Man
Dr. Siy Waldemar Tan

**^ Group List for Part II (MMDP7010 students only)**

MMDP7010 (students)
Mr. Chon Hok Wai
Miss Hui Lok Yung
Dr. Ieong Sio Lei
Miss Liu Yingzhi
Dr. Ng Ka Man Joanna
Dr. Siy Waldemar Tan
Miss Yu Ching Man
Ms. Yu Ka Man

**# Group List for Part III**

Group A (students)
Dr. Ieong Sio Lei
Mr. Chan O Cheung Owen
Miss Hui Lok Yung
Miss Li Man
Ms. Yeung Shu Nga
Mr. Yuen Man Chung
Mr. Chan Shing Hin Hugo
Mr. Ko Ho Yuk
Ms. Li Ying Lam
Miss Young Yee Law Vinia
Dr. Ng Ka Man Joanna
Mr. Chan Wai Hon
Mr. Lai Ka Him

Group B (students)
Miss Liu Yingzhi
Miss Yu Ching Man
Dr. Siy Waldemar Tan
Mr. Chon Hok Wai
Miss Lee Hiu Ching
Ms. Shahzad Anosha
Ms. Yu Ka Man
Dr. Wang Samuel Sherng Young
Miss Fong Suet Ying
Miss Leung Hui Ching
Miss So Yi Ni
Miss Yu Wing Ching

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**Molecular Pathology Laboratory Visit**

**Date: March 6, 2026 (Friday)**

**Time: 9.30 am – 7.00 pm**

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

<b>Part I: Haematology Lab visit (lead by Prof Annie Cheung)</b> <b>Meet up venue: Student Lab 02-019, 2/F, Block T, QMH</b>			
9.30 – 10.00 am			*Group 3 (Prof Albert Sin to arrange)
<b>Part II: Tsan Yuk Hospital Lab visit (lead by Gigi)</b> <b>Meet up venue: Student Lab 02-019, 2/F, Block T, QMH</b>			
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			

**\* Group List for Part I**

Group 3 (students)
Mr. Chon Hok Wai
Miss Lee Hiu Ching
Ms. Shahzad Anosha
Ms. Yu Ka Man
Dr. Wang Samuel Sherng Young
Miss Fong Suet Ying
Miss Leung Hui Ching
Miss So Yi Ni
Miss Yu Wing Ching

**# Group List for Part II**

Group A (students)
Dr. Ieong Sio Lei
Mr. Chan O Cheung Owen
Miss Hui Lok Yung
Miss Li Man
Ms. Yeung Shu Nga
Mr. Yuen Man Chung
Mr. Chan Shing Hin Hugo
Mr. Ko Ho Yuk
Ms. Li Ying Lam
Miss Young Yee Law Vinia
Dr. Ng Ka Man Joanna
Mr. Chan Wai Hon
Mr. Lai Ka Him

Group B (students)
Miss Liu Yingzhi
Miss Yu Ching Man
Dr. Siy Waldemar Tan
Mr. Chon Hok Wai
Miss Lee Hiu Ching
Ms. Shahzad Anosha
Ms. Yu Ka Man
Dr. Wang Samuel Sherng Young
Miss Fong Suet Ying
Miss Leung Hui Ching
Miss So Yi Ni
Miss Yu Wing Ching