

# MOLECULAR MEDICINE

## Master of Science

KPT/JPT(R2/545/7/0078)07/2027 | MQA/FA1299  
KPT/JPT(N-DL/545/7/0101)09/2025 | MQA/SWA11357

## Journey into cutting-edge biomedical research and breakthroughs

Take an intellectually stimulating deep dive into the intricacies of cellular and molecular processes underlying health and disease. Molecular medicine is a major focused area of contemporary medical research, facilitating recent breakthroughs in disease diagnosis, management and treatment. Gain understanding in highly specific and individualised treatments, from genomic screening to bioinformatic and chemoinformatic assessment. This programme aims to deliver an exceptional curriculum to equip you with skills that meet the highest demands. Students enrolled in the MSc in Molecular Medicine programme are eligible to gain credit recognition by Queen Mary University of London that leads to the award of an additional degree. Come open up career paths worldwide and be at the forefront of scientific revolutions.

### Degree / Duration

MSc in Molecular Medicine

1 year (Full-time)

2 - 6 years (Part-time)

MSc in Molecular Medicine +

MSc in Genomic Medicine (QMUL)

2 years (Full-time)

4 years (Part-time)

### Commencement

Mar / Sep

### Partner University

United Kingdom



### Mode of Delivery

- Conventional
- Open and Distance Learning (ODL)

## Programme Structure

This programme consists of 2 semesters of coursework and a research project, with two modes of delivery.

### Conventional:

All classes will be conducted on weekends while some activities will be conducted online.

### ODL:

All classes will be carried out using IMU online teaching and learning platform.

All students will be required to commit to a full-time research project in the final semester, either at IMU or approved research institutes, and hospitals.

## ◆ Assessments

Assessments will be done in course throughout the programme via written reports (case study reports, critical reviews, assignments, CAL reports, scientific writing, etc) and oral presentations. For the Research Project module, students are expected to defend their work in Viva Voce and produce a research dissertation. There are no end-of-semester exams for all modules.

## ◆ Entry Requirements

- A Bachelor's Degree in the field or related fields with a minimum CGPA of 2.75 or equivalent, as accepted by the University's Senate; or
- A Bachelor's Degree in the field or related fields or equivalent with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment; or
- A Bachelor's Degree in the field or related fields or equivalent with minimum CGPA of 2.00 and not meeting CGPA of 2.50, can be accepted subject to a minimum of 5 years working experience in the relevant field and rigorous internal assessment.

## ◆ English Language Requirements

### **For International Students (only one required)**

1. IELTS : Band score 5.0; or
2. TOEFL (iBT) : Overall score of 42; or
3. Cambridge English : Advanced (CAE) : Overall score of 154; or
4. Cambridge English : Proficiency (CPE) : Overall score of 154; or
5. Cambridge Linguaskill : Overall score of 160; or
6. Pearson Test of English (PTE) : Overall score of 47;

The following categories of students are exempted from the above requirements:

1. International students from countries in which English is the first language.
2. International students who graduated from any Malaysian or other institutions where the curriculum is delivered in English.

Students progressing to the credit recognition pathway offered by Queen Mary University of London leading to the award of the MSc in Queen Mary University of London (QUML) will require an IELTS Band score of 6.5 (with minimum 6.0 in writing component).

# ◆ Modules

## Core Modules

- Molecular Medicine
- Immunology & Infection
- Molecular Basis of Diseases 1
- Molecular Basis of Diseases 2
- Research Methodology & Scientific Writing
- Research Project
- Bioinformatics

## Selective Modules

- Laboratory Management
- Stem Cell Technology & Therapeutics
- Quality Management & Regulatory Systems
- Computational Drug Discovery Techniques
- Principles of Drug Discovery
- Clinical Research & Good Clinical Practice
- Entrepreneurial Leadership

The curriculum undergoes periodic reviews and may be subject to change. It is important to note that a minimum number of students is required for selective modules.

Students progressing along the credit recognition pathway offered by Queen Mary University of London to receive the MSc in Queen Mary University of London (QMUL), will be required to do an additional 8 modules (2 cores, 4 compulsory, 2 elective) apart from modules already in Molecular Medicine.

## Core Modules

- Omics' Techniques & Their Application to Genomic Medicine • Bioinformatics, Interpretation & Data Quality Assurance in Genome Analysis

## Compulsory Modules

- Ethical, Legal & Social Issues in Applied Genomics • Molecular Pathology of Cancer & Application in Cancer Diagnosis, Screening & Treatment • Pharmagenomics & Stratified Healthcare • Application of Genomics in Infectious Disease

## Electives

- Clinical Study Design • Economic Models & Human Genomics • Professional & Research Skills

# ◆ Programme Fees

## Fees Overview

All fees quoted are in Ringgit Malaysia unless stated otherwise.

Fee	Amount (RM)	
	Malaysian Student	International Student
Application Fee	150	500
Registration Fee	1,100	3,400
Refundable Caution Deposit	2,000	2,000
Student Association Fee per Semester	40	40

• All IMU Alumni who are self-funding their postgraduate studies and meet the eligibility criteria will be eligible for a bursary of 15%. • Application fee is payable upon submission of application. • Registration fee and refundable caution deposit is payable upon acceptance of the offer letter issued by the IMU Admissions Office. • Student must adhere to the "Policy on Payment of Fees". • For information on Student Visa Application fee, please refer to Visa and Immigration on the IMU website, [www.imu.edu.my](http://www.imu.edu.my) • Fee payable per semester are subject to the number of credits registered.

## Tuition Fees

	Study Mode	No. of Credit Hour	Malaysian Student (RM)		International Student (RM)	
			Fee Per Credit Hour	Total Fee	Fee Per Credit Hour	Total Fee
Master of Science	Conventional	20	1,100	22,000	1,250	25,000
	Research Paper	20	1,100	22,000	1,250	25,000
			<b>Total Fee</b>	<b>44,000</b>		<b>50,000</b>
Master of Science	Open & Distance Learning (ODL)	20	900	18,000	900	18,000
	Research Paper	20	1,100	22,000	1,100	22,000
			<b>Total Fee</b>	<b>40,000</b>		<b>40,000</b>
Credit Recognition Pathway to Queen Mary University of London (QMUL)		Additional tuition fees of approximately GBP 10,000				

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The IMU has been certified with ISO21001:2018 and ISO 45001:2018 for the provision of Pre-University, Undergraduate and Postgraduate Programmes for the Medical and Healthcare Professions.



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