



INTERNATIONAL MEDICAL UNIVERSITY
MALAYSIA

MEDICAL AND HEALTH SCIENCES

*Master of Science
Doctor of Philosophy*



**SCHOOL OF
POSTGRADUATE
STUDIES**

2023

What is IMU's Medical and Health Sciences Programme About?



Postgraduate students have the access to various scientific equipment and facilities if they are involved in laboratory-based research.

OVERVIEW

Postgraduate research forms a major part of IMU's activities in its role as a leader in healthcare provision and innovation. Working for a higher degree in research gives students the opportunity to acquire in-depth, specialised knowledge and to apply leading-edge techniques and methodologies. The University prides itself on the facilities and support it provides to research students and on the calibre and dedication of its academic, clinical and technical staff. In addition, researchers have published their findings in high impact journals.

The University allocates more than RM1 million internal funds for research every year. Alongside this commitment, our researchers have also successfully obtained significant amounts of external grants from funding bodies such as the Ministry of Higher Education (MOHE) and Ministry of Energy,

Science, Technology, Environment & Climate Change (MESTECC) in recent years. Our researchers have received funding for collaborative research projects in nasopharyngeal carcinoma, colorectal carcinoma, breast cancer, infectious diseases and environmental health.

DEGREE / DURATION

MSc in Medical and Health Sciences -
1 year (full-time)
2 years (part-time)

PhD in Medical and Health Sciences -
3 years (full-time)
4 years (part-time)

COMMENCEMENT

Throughout the year

* Students must fulfill the criteria as approved by the Senate in order to graduate within the minimum duration

A Word from the Programme Director



Science never solves a problem without creating ten more.
(George Bernard Shaw)

True enough that science sow the seed of curiosity that is formalised through research. Embarking onto postgraduate research is a worthy challenge in creating new knowledge which may lead to scientific breakthrough. Postgraduate research empowers graduate students to undertake a systematic investigation, based on the work built within the field of interest by previous researchers. Research work underpins one's ability to hone his understanding of experimental methods, and sharpens his evidence-based thinking, which is the most crucial skill in assessing the outcome of the research.

In the era where diseases are becoming more complex to treat, research contributing to the understanding of the diseases are now top priority. Postgraduate by Research programme at the IMU offers opportunities for training in cancer and stem cell biology, bioactive molecules, drug development alongside with clinical and community-based health research. We aim to produce graduates who lead innovative research in health-related fields, with high ethical and professional conduct.

Investment in research might be expensive, but battling disease is far more too costly. Hence, the need to be part of the research team that IMU can train. ”

PROF TS DR SHAR MARIAM BT MOHAMED

Programme Director and Professor
BSc (Flinders), PhD (UPM)

How Does the Programme Work?



Postgraduate students discussing their research findings amongst their peers. Peer learning is an important aspect of postgraduate training.

PROGRAMME STRUCTURE

The areas of research expertise of the IMU faculty are as follows:

- Cancer / Oncology
- Environmental Health
- Toxicology / Molecular Biology / Biotechnology
- Biochemistry
- Microbiology
- Clinical Research
- Infectious Diseases
- Psychology
- Pharmaceutical Sciences
- Chronic Diseases
- Community Health
- Building-Related Illnesses
- Human and Medical Genetics

The selection of supervisor(s) will depend very much on the research area and be based on mutual agreement between both parties. The principal supervisor must be engaged within IMU whereas a co-supervisor can be from any established institution. All supervisors are subject to the credentialling guidelines of IMU.

ASSESSMENT

Both programmes are research-based and degrees will be awarded by IMU on successful completion of a thesis. Examination is by assessment of the thesis, and includes an oral examination of the contained research.

For PhD, there is also provision for candidates to submit their theses in the form of published works resulting from their research projects during period of their candidature, subject to the evaluation by the Review Committee.

ENTRY REQUIREMENTS

MSc in Medical and Health Sciences

Applicants are required to have obtained:

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.

Note:

Applicants with the appropriate experience will be given priority of selection.

PhD in Medical and Health Sciences

Applicants are required to have obtained:

A Master's Degree accepted by the University's Senate; or;

Other qualifications equivalent to a Master's degree that are accepted by the University's Senate.

Note

- i. a bachelor's degree in the field or related fields with first-class (CGPA of 3.67 or higher) or its equivalent from an academic or Technical and Vocational Education and Training (TVET) programme;
- ii. undergo internal assessment;

Bachelor's degree candidates who are registered for master's degree programmes may apply to convert to the doctoral degree programmes subjected to the following conditions:

- i. within 1 year for full time and within 2 years for part-time candidates;
- ii. having shown competency and capability in conducting research at doctoral level through rigorous internal evaluation by the University; and
- iii. approval of the University's Senate.

ENGLISH LANGUAGE REQUIREMENTS

For International Students

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.

Learn from Our Experienced Lecturers



DATO' PROF SIVALINGAM NALLIAH

Professor
MBBS (MAL), MCGP, MRCOG, FRCOG,
FAMM, Master of Education

Dato' Prof Sivalingam Nalliah is currently Professor of Obstetrics and Gynecology at the Faculty of Medicine and Health, IMU. He is Fellow of the Royal College of O&G (UK). Has MCGP, Master in Education and has been involved in clinical research and quality assurance programmes in O&G. He was chair of the Confidential Inquiry into Maternal Deaths in Malaysia and was pivotal in editing /contributing to teaching manuals in Hypertensive Disorders in Pregnancy and Heart Disease in Pregnancy apart from production of the Annual Report of the CEMD and FIGO Awardee for Emergency Obstetrics in 2002. He has authored/edited several medical books and two non-medical books. His research interests are medical ethics, medical education, gynecology cancer and gestational diabetes. He has over 150 publications to his credit.



PROF WINNIE CHEE SIEW SWEE

Professor
BSc (Mal), MSc (Mal), PhD (Mal)

Prof Winnie Chee has been in academia for 30 years. Her research is focused on nutritional determinants of bone health in children and adults, Vitamin D and nutrition intervention for obesity, diabetes and renal. She has been recognised for her service to local and international nutrition and dietetics. She was appointed as Fellow of Malaysian Dietitians' Association and Nutrition Society of Malaysia. She has also received the Wimpfheimer- Guggenheim International Lecture Award from the Academy of Nutrition & Dietetics, USA. She has served three terms and is the current President of the Malaysian Dietitians' Association (MDA).

Learn from Our Experienced Lecturers



PROF MALLIKARJUNA RAO PICHKA

Professor
BPharmSci (Andhra),
MPharmSci (Andhra), PhD (Andhra)

Prof Mallikarjuna Rao Pichika is a pharmacist by training and specialised in Medicinal Chemistry. At present he is the Associate Dean (Research & Consultancy), School of Pharmacy, and Head - Centre for Bioactive Molecules and Drug Delivery, Institute for Research, Development & Innovation (IRDI). He is Fellow of the Royal Society of Chemistry, UK. His main research interests include discovery of drug-like compounds from either natural sources or through synthesis. He is an experienced research supervisor and active researcher in numerous research projects. He has numerous publications in indexed journals and hold patents on herbal formulations & bioactive materials.



PROF LEONG CHEE ONN

Adjunct Professor
BSc (Hons) (UPM), PhD (UK)

Prof Leong has conducted multi-year research focused on drug target discovery, novel molecules development through preclinical and clinical trials, and biomarkers development for diagnosis of refractory breast cancers. He has published extensively in high impact journals, including Nature Cell Biology, Cancer Cell, PNAS, Cancer Research and etc. He has received numerous international awards including the FMD Fellowship (USA), the Institute of Biomedical Science President's Award (UK) and the Top Research Scientist Malaysia (TRSM). He was a Senior Research Fellow at the Harvard Medical School and Massachusetts General Hospital, Boston, USA and is presently a Fellow at the Royal Society of Biology, UK.

What Our Students Say



“ My current research work in IMU aims to provide scientific evidence for traditional uses of medicinal plants. The deciding factors for me to leave my home country to IMU are its respectable research culture, state of art facilities and availability of expertise in my research area. With guidance from my supervisors and support from the research team, my research skills are being continuously improved. ” **Zhang Shiming PhD**

“ Being an undergraduate alumna in IMU, I am back to my alma mater to pursue my postgraduate studies (Master of Science in Medical and Health Sciences). Throughout my studies here, I am involved in a collaborative research project with the University of Malaya, investigating on the dynamics of an infectious disease, cholera. I have gained so much of research experiences with the guidance from my supervisors and support from the IMU Research Laboratory and School of Postgraduate Studies. The diverse background of the existing research students also makes the whole journey to be fun, especially when we have the opportunities to share our ideas and opinions in research talks, conferences and seminars. I believe that the knowledge gained from this programme will provide a smooth transition for my professional development in the future. All in all, it is a privilege being a part of the interactive research community in IMU. ” **Toh Yien Shin PhD**



“ Postgraduate studies in IMU is of world-class. I am equipped with sufficient knowledge and skills to secure a job in a nutraceutical company in New Zealand after completion of my Master of Science in Medical and Health Sciences degree in IMU. When I wanted to pursue PhD, I chose IMU. I am honoured to receive the sponsorship from JPA for my PhD study. In addition to that, I am also honoured to receive YPASM Fellowship that enable me to work with the scientists in the British Antarctic Survey at Cambridge, United Kingdom. All of the experiences would not have been possible without the support and guidance from my supervisors. IMU has positively impact me on going forward. ” **Dang Nguk Ling PhD**

“ Pursuing my postgraduate studies with IMU is a choice I will never regret. Not only does it own a team of experts with vast experience in healthcare, it also consistently upgrades its facilities and services to ensure cutting-edge learning experience for the students to excel. As a research student, IMU’s active participation in community projects and close collaboration with scientific bodies have gotten me golden opportunities to attend talks, workshops, seminars and invited-only conferences to keep up with the rapidly changing healthcare industry, and even present my work at some! With all these, I know by the time I graduate from the programme, I am confident to tell the world that I am a well-trained researcher and am ready to serve. ” **Wong Ting Xuan PhD**



Why Study Medical and Health Sciences at IMU?

1

An Established Private Healthcare University

IMU is Malaysia's first and most established private medical and healthcare university with over 30 years of dedicated focus in healthcare education. IMU achieved the SETARA-2018/2019 Tier 6 status (Outstanding) under the Mature University category.

2

Renowned and Highly Experience Faculty

Students will be supervised by staff who are experts in their field with well-established reputations nationally and internationally. The academic community of IMU pursues and achieves excellence in a wide range of research activities. Many of them present their findings in international conferences to keep up to date with the latest development in specialised areas. They also publish their findings in international peer-reviewed journals.

3

Research Funding

Our researchers have successfully obtained external funding through government grants such as the Fundamental Research Grant Scheme (FRGS), Exploratory Research Grant Scheme (ERGS) and MESTECC R&D Fund. In addition, internal grants worth more than RM1,000,000 per year are invested to support research at IMU.

4

Research Facilities

The IMU has good infrastructure and facilities to support research. There are eight research laboratories and eight tissue culture laboratories for medical science research with a total floor space of 26,000 sq ft. The University also has an animal storage facility with expanded space (about 770 sq ft) and state-of-the-art caging and maintenance of experimental animals. Adequate funding support for research facilities is provided.

5

Research Partnerships

Students will benefit from the University's research collaborations with various local and foreign institutions in areas such as cancer, bioactive molecules, nutrition and environmental health. Close links have also been established with local hospitals, especially Hospital Tuanku Ja'afar in clinical research.

CONTACT US

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PROGRAMMES AT IMU

Pre-University

Foundation in Science

KPT/JPT(R/010/3/0186)09/2023
MQA/FA3974

Undergraduate

Biomedical Science

KPT/JPT(R3/421/6/0011)12/2027
MQA/A8230

Chinese Medicine

KPT/JPT(R2/721/6/0059)01/2027
MQA/A10260

Chiropractic

KPT/JPT(R/726/6/0054)08/2026
MQA/A9294

Dentistry

KPT/JPT(R3/724/6/0010)01/2030
MQA/FA7026

Dietetics with Nutrition

KPT/JPT(R2/726/6/0021)09/2029
MQA/A8176

Digital Health

KPT/JPT(N/482/6/0209)03/2028
MQA/PSA14380

Medical Biotechnology

KPT/JPT(R2/545/6/0014)09/2027
MQA/FA15505

Medicine

KPT/JPT(R2/721/6/0033)09/2026
MQA/FA6155

Nutrition

KPT/JPT(R2/726/6/0011)06/2027
MQA/FA1298

Nursing

KPT/JPT(R/723/6/0125)04/2027
MQA/FA8944

Pharmaceutical Chemistry

KPT/JPT(R3/442/6/0003)01/2028
MQA/A8229

Pharmacy

KPT/JPT(R2/727/6/0050)09/2026
MQA/FA8374

Psychology

KPT/JPT(R3/311/6/0013)09/2027
MQA/A8177

Postgraduate

Acupuncture (MSc)

KPT/JPT(R/721/7/0071)03/2027
MQA/PA8570

Analytical & Pharmaceutical Chemistry (MSc)

KPT/JPT(R2-CDL/442/7/0001)01/2027
KPT/JPT(N-DL/442/7/0022)02/2026
MQA/FA1191

Business Administration in Healthcare Management (PG Cert/PG Dip/Master)

KPT/JPT(N/345/7/1082)9/2023
MQA/PSA11354
KPT/JPT(N/345/7/1090)12/2023
MQA/PSA11355
KPT/JPT(N/345/7/1085)10/2023
MQA/PSA11353

Counselling (Master)

KPT/JPT(N/762/7/0046)09/2026
MQA/PA12002

Diabetes Management & Education (PG Dip)

KPT/JPT(R/726/7/0030)01/2028
MQA/SWA9086

Endodontics (PG Dip)

KPT/JPT(N/724/7/0043)05/2024
MQA/SWA12162

Health Informatics and Analytics (PG Cert/PG Dip/Master)

KPT/JPT(N/720/7/0131)09/2025
MQA/PSA13973
KPT/JPT(N/720/7/0130)09/2025
MQA/PSA13972
KPT/JPT(N/720/7/0129)09/2025
MQA/PSA13974

Health Professions Education (PG Cert/PG Dip/Master)

KPT/JPT(R/145/7/0066)09/2025
MQA/SWA05162
KPT/JPT(R/145/7/0064)09/2025
MQA/PA5163
KPT/JPT(R/145/7/0070)09/2025
MQA/SWA5164
KPT/JPT(N-DL/145/7/0120)02/2026
MQA/SWA05162

Implant Dentistry (PG Dip)

KPT/JPT(R/724/7/0019)06/2026
MQA/SWA6111

Molecular Medicine (MSc)

KPT/JPT(R2/545/7/0078)07/2027
MQA/FA1299
KPT/JPT(N-DL/545/7/0101)09/2025
MQA/SWA 11357

Pharmacy Practice (Master)

KPT/JPT(R/727/7/0051)03/2024
MQA/SWA02796

Prosthodontics (PG Dip)

KPT/JPT(N/724/7/0042)05/2024
MQA/PSA12163

Public Health (MSc)

KPT/JPT(R2/720/7/0077)09/2025
MQA/A10261
KPT/JPT(N-DL/720/7/0118)09/2023
MQA/SWA11356

Medical & Health Sciences (MSc/PhD)

KPT/JPT(R2/720/7/0049)06/2026
MQA/A10618
KPT/JPT(R2/721/8/0043)01/2027
MQA/A3767



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The IMU has been certified with ISO 9001: 2015 for the provision of Pre-University, Undergraduate and Postgraduate Programmes for the Medical and Healthcare Professions.

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