



SPECIALISATION OVERVIEW

PhD of Health Science Medical Pharmacology

OBJECTIVE

The curriculum is tailored to equip students with advanced knowledge and skills in the field of pharmacology, preparing them for research, academia, and related healthcare fields. Emphasizing a multidisciplinary approach, the program integrates diverse scientific disciplines to enrich the understanding and application of pharmacology in various healthcare contexts.

AREAS

- Pharmacokinetics
- Pharmacodynamics
- Clinical applications of pharmacology in cardiovascular, Respiratory, gastrointestinal, endocrine, autonomic, central nervous system
- Antimicrobial therapy
- Pharmacology Research Skills
- Pharmacology Experimental Techniques

ASSESSMENT METHODS

Proposal Presentation



Progress Report



Finding Presentation



Viva-voce



GRADUATE REQUIREMENT

Publication Equivalent (PE): **2**

| Type of Publication | PE |
|---|-----|
| Indexed Journal | 1 |
| Non-indexed Journal | 0.7 |
| Indexed Conference Proceeding | 0.6 |
| Poster, non-indexed conference proceedings or any publications recognised by the Kulliyah | 0.3 |

RESEARCH TRAINING

The programme integrates theoretical knowledge with practical applications, fostering a comprehensive understanding of drug actions, interactions and therapeutic approaches.

It is compulsory to undertake independent research, guided by faculty, culminating in the completion of a thesis or research paper. Active engagement in seminars, workshops, and conferences is strongly recommended to remain abreast of the latest advancements in the field.

DURATION OF STUDY

Full-time: 2 - 6 years

Part-time: 3 - 8 years

EXPERTISE

- 1) Assoc. Prof. Dr. Wael Mohamed Yousef Mohamed**
Translational Brain,
Neuroscience, Animal Study
waelmohamed@iium.edu.my

- 2) Asst. Prof. Dr. Mohd Fadly Mohd Noor**
Skeletal Muscle & Cell Signaling,
Neuropharmacology
mohdfadly@iium.edu.my

- 3) Asst. Prof. Dr. Nour El Huda Abd Rahim**
Genetics & Epigenetics,
Schizophrenia, Herbal Medicine,
Osteoarthritis
elhuda@iium.edu.my

- 4) Asst. Prof. Dr. Hidayatul Radziah**
Hypertension, Diabetes Mellitus,
Metabolic Syndrome Women's
Health
hidayatulradziah@iium.edu.my