

# About Us

Institute of Medical Molecular Biotechnology (IMMB) is a multidisciplinary institute for molecular research, open for lecturers from the medical faculty as well as other faculties within UiTM or other universities.

IMMB is equipped with state of the art equipment, catering for research in genomics, proteomics and molecular cell biology.

## Vision

To be an esteemed centre in nurturing accomplished medical professionals practicing holistic medicine, leading and influence the medical profession and practice worldwide.

## IMMB Staff Members

### Director:

Dr. Heo Chong Chin— 036126 5003

### Senior Research Officer:

Mohd Yusri Idorus— 036126 5008

### Senior Science Officer:

Norita Salim— 036126 5073

Azhar Ahmad— 036126 5138

### Senior Assistant Science Officer:

Salina Othman— 036126 5085

### Assistant Science Officer:

Tuan Muhd Hafiidz Tuan Kamauzaman— 036126 5079

Hazrul Nizam Hisham Hasmi— 0361265097

Ummu Fatin Maghfirah Mohd— 036126 5083

Mohd Ameer Azezy Abdul Wahab— 036126 5077

### Medical Laboratory Technologist:

Abu Thalhah Abdul Aziz— 036126 5084

### Assistant Research Officer:

Roslina Ali - 0361265101



UNIVERSITI  
TEKNOLOGI  
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Fakulti  
Perubatan



Institute of Medical Molecular  
Biotechnology (IMMB) Faculty of Medicine  
Universiti Teknologi MARA (UiTM) Kampus  
Sungai Buloh, Jalan Hospital 47000, Sungai  
Buloh Selangor, MALAYSIA



+6-03 6126 5080



immb@uitm.edu.my



3°13'17.9"N  
101°35'36.6"E



**IMMB  
Laboratory  
Services &  
Facility  
Charges  
2021/2022**



## Core Facilities

Cell Culture Laboratory

Imaging Laboratory

Molecular and Proteomic Laboratory

Microbiology and Parasitology Laboratory

Seminar Rooms

## Cell Culture Laboratory



- The cell culture laboratory has capacity for routine cell culture and maintenance for both human and animal cell cultures. It is equipped with all modern instruments and facilities for in vitro cells culturing and embryo culture In Vitro Fertilization (IVF) .

- List of equipment:**

- Biosafety cabinets
- CO<sub>2</sub> incubators
- Inverted microscopes
- Centrifuges
- Waterbath
- Ultralow freezer - 80°C
- Cryo freezer - 150°C
- Automated cell counter



Equipment Usage Form and charges

## Molecular and Proteomic Laboratory



- The molecular and proteomic laboratory is well equipped with apparatus necessary to perform current molecular biology procedures from DNA and RNA extraction and quantification, Polymerase Chain Reaction (PCR), Real Time – PCR, gel imaging and proteomics analysis such as separation, identification, characterization and quantification of proteins expressed in biological samples.

- List of equipment:**

- PCR machine (Biometra, ABi, Appendorf Mastercycler, Appendorf Pro S, MJ), two RT-PCR machine (Biorad)
- Gel electrophoresis set
- Gel imager (Biorad)
- SpectraMax QuickDrop Micro-Volume spectrophotometer
- 2D Gel & Western blotting
- Microplate reader

## Imaging Laboratory



- IMMB have one of the state of the art imaging facilities in Malaysia
- This include:
  - Confocal Laser Scanning Microscope
  - Ultramicrotome
  - Fluorescence microscopes

## Microbiology and Parasitology Laboratory



- The microbiology & parasitology laboratory is well equipped with basic apparatus necessary for research in medically important microorganisms.

- List of equipment:**

- Biosafety cabinets
- CO<sub>2</sub> incubators
- Stereo microscopes
- Oven
- centrifuge
- Shaker
- Colony counter
- Freeze dryer

## Lab Services

- IMMB is committed to provide the best and high quality training programs, research and diagnostics services to all researchers in Malaysia.

- List of training (one – to – one ):**

- Cell culture technique
- Embryo culture In Vitro Fertilization (IVF) technique
- 2D Proteomics/ Western Blot
- Fluorescence microscopy staining

- List of lab services:**

- Cell imaging with inverted microscope imaging system (Olympus)
- Cell imaging with Confocal Laser Scanning Microscope (CLSM)
- PCR & RT-PCR
- Molecular diagnostic services
- Ultramicrotome
- Victor X5 Multilabel plate reader
- Seminar rooms – for meetings & seminars

