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 Azeezy Abdul Wahab-036126 5077 **Medical Laboratory Technologist:** Abu Thalhah Abdul Aziz— 036126 5084 **Assistant Research Officer:** Roslina Ali - 0361265101



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



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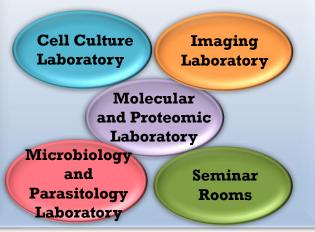
IMMB Laboratory Services & Facility Charges 2021/2022

Fakulti

Perubatan



Core Facilities



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 h. Automated cell counter a.
- CO₂ incubators b.
- Inverted microscopes c.
- Centrifuges d.
- Waterbath e.
- Ultralow freezer 80°C f.
- Cryo freezer 150°C α.



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:
- a. PCR machine (Biometra, ABi, Appendorf Mastercycler, Appendorf Pro S, MJ), two RT-PCR machine (Biorad)
- b. Gel electropheresis set
- Gel imager (Biorad) c.
- SpectraMax QuickDrop Micro-Volume d. spectrophotometer
- e. 2D Gel & Western blotting
- f. Microplate reader

Imaging Laboratory



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

Microbiology and Parasitology Laboratory



- The microbiology & parasitology laboratory is well equipped with basic apparatus necessary for research in medically important microorganisms.
- List of equipment:
- a. Biosafety cabinets
- b. CO_2 incubators
- c. Stereo microscopes d. Oven
- e. centrifuge f. Shaker
- q. Colony counter h. 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):
- a. Cell culture technique
- b. Embryo culture In Vitro Fertilization (IVF) technique
- c. 2D Proteomics/ Western Blot
- d. Fluorescence microscopy staining
- List of lab services:
- a. Cell imaging with inverted microscope imaging system (Olympus)
- b. Cell imaging with Confocal Laser Scanning Microscope (CLSM)
- c. PCR & RT-PCR
- Molecular diagnostic services d.
- Ultramicrotome e.
- Victor X5 Multilabel plate reader
- Seminar rooms for meetings & seminars a.



