

Laboratory Animal Care Unit (LACU), 2nd floor,  
Institute of Medical Molecular Biotechnology,  
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Google Map



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## LACU STAFF MEMBERS

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### SENIOR ASSIST. SCIENCE OFFICER

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### ASSISTANT VETERINARY OFFICER

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### HEALTHCARE ASSISTANT

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### HEALTHCARE ASSISTANT

ZUKARMI MOHD ASPAR

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## ETHICS IN LACU

- The daily care of laboratory animals.
- Veterinary medical care.
- Technical assistance are provided - laboratory animal caretakers.
- The Ethics followed in LACU is based on the principal of **THE FIVE FREEDOMS**.



## THE FIVE FREEDOMS

### *Freedom from Hunger and Thirst*

- by ready access to fresh water and a diet to maintain full health and vigour.

### *Freedom from Discomfort*

- by providing an appropriate environment including shelter and a comfortable resting area.

### *Freedom from Pain, Injury or Disease*

- by prevention or rapid diagnosis and treatment.

### *Freedom to Express Normal Behavior*

- by providing sufficient space, proper facilities, and company of the animal's own kind.

### *Freedom from Fear and Distress*

- by ensuring conditions and treatment which avoid mental suffering.

## GOALS

- **To conduct** Basic, Applied Strategic Biomedical Research on laboratory animals that will be beneficial to mankind/society.
- **To build** Strong Animal Welfare and Ethics through the care of these experimental animals.
- **To advance** Biomedical Research keeping in view of the welfare of these animals.
- **To promote** Basic Laboratory Animal Enrichment Behaviors, through out the life of these animals, to alleviate boredom.
- **To provide** Prompt Medical Care and Treatment throughout its life. To uphold the Five Freedoms of Animals Care.

## VISION

- **To advance** excellence in the Laboratory Animal Care Profession.
- **To promote** the understanding of Laboratory Animal Research.
- **To be a centre** of research excellence and to be at the frontiers of Laboratory Animal Care in Malaysia.

## MISSION

- **To establish** LACU as a class of reputable animal care and welfare and a reference centre for biomedical research in Malaysia.



WELCOME TO  
**LABORATORY ANIMAL CARE UNIT**  
FACULTY OF MEDICINE, UiTM SG. BULOH CAMPUS



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## FACILITIES

### EQUIPMENT

#### EVC Cages

- Mice - 100cages / 1system
- Rat - 50cages / 1system

#### IVC Allentown Cages

- Rat - 400cages / 20systems
- Mice – 320cages / 16systems

#### Metabolic Chamber Cages

- 12cages / 1system

#### Rabbit Cages

- 30cages / 5systems
- 20cages / 5systems (Researcher)
- Biohazard Cabinet (Animals) = 2
- Small Animal Guillotine = 1
- Small Animal Threadmill = 1
- Ying / Adjust THERMO = 1
- Cabinet Hot Air Drying / Adjust THERMO = 1
- Changing Station (Animals) = 4
- Refrigerator Lab = 2
- Autoclave - Double Door (Animals) = 1
- Ultrasonicator (Microbiology) = 1
- Analytical Balance Semi Micro = 1
- Digilab Waterbath = 1
- Ultra-Low Freezer (-86°C) = 1
- RO water machine



## FACILITIES

### ROOMS

- Bilik Penyelaras (Coordinator Room)
- Pejabat LACU (LACU Office)
- Tandas (Toilet) = 2
- Stor Bahan Kimia (Chemical Storage Room)
- Pantri (Pantry)
- Bilik Kuarantin (Quarantine Room)
- Bilik Pembiakan Mencit 1 (Mice Breeding Room 1)
- Bilik Pembiakan Mencit 2 (Mice Breeding Room 2)
- Bilik Pembiakan Tikus (Rat Breeding Room)
- Bilik Pembiakan Arnab (Rabbit Breeding Room)
- Bilik Eksperimen / Ujikaji (Experimental Room)
- Dewan Pembedahan (Surgical Theatre)
- Bilik Eksperimen / Ujikaji (Rat Experimental Room)
- Bilik Prosedur (Procedure Room)
- Bilik Kuarantin Nyamuk (Mosquito Quarantine Room)
- Bilik Eksperimen/ Ujikaji Argus (Guinea Pig Experimental Room)
- Bilik Eksperimen/ Ujikaji Mencit (Mice Experimental Room)
- Makmal Am / Makmal Pembiakan Nyamuk (Mosquito Research Lab )
- Bilik Cucian (Washing Room)
- Stor Makanan Kering Dan Habuk Kayu (Dry Food & Bedding Storage)
- Bilik Pembuangan Sisa Umum (General Waste Room)
- Bilik Pembuangan Sisa Klinikal (Clinical Waste Room)
- Bilik Jentera Pendingin Hawa (AHU)
- Bilik Tangki Air (Water Tank)



## REGISTER AT LACU

Get the **OFFICIAL APPROVAL LETTER FOR RESEARCH** from Faculty / Supervisor.

Register with LACU.

Show the official letter from Faculty / Supervisor.

Fill up **RESEARCHER APPLICATION FORM** & get approval from the **COORDINATOR** of LACU.

Official Approval letter should be displayed in front of the respective experimental rooms.

WITH OFFICIAL LETTER



OFFICIALLY START AT LACU

