

# Background

The Department of Tissue Engineering and Regenerative Medicine (DTERM) at the Faculty of Medicine, UKM, was established in 1999. Since then, it has been at the forefront of advancing tissue engineering and regenerative medicine, beginning with the development of MyDerm®, a human skin substitute for burn and trauma patients.

We welcome collaborators who wish to exchange expertise and resources with our researchers to translate this promising field from bench to bedside, ultimately benefiting patients.

# Our Mission

"To improve quality of life and provide cures for diseases by focusing on research, education, training, services, and commercialization of tissue engineering and regenerative medicine-related products and technologies."

# Our Goal

"To become an internationally recognized centre of excellence in the clinical translation of tissue engineering and regenerative medicine research."



# Contact Us

We welcome collaborations, contract research, product development, manufacturing, and consultancy opportunities. Contact us to explore our services, research and educational programs!

## Administrative Office:

15th Floor, Pre-Clinical Building,  
Jalan Yaacob Latif, Bandar Tun  
Razak, 56000 Cheras, Kuala  
Lumpur, MALAYSIA.

## Operational Office:

12th Floor, Clinical Block HCTM,  
Jalan Yaacob Latif, Bandar Tun  
Razak, 56000 Cheras, Kuala  
Lumpur, MALAYSIA.



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<https://www.ukm.my/dtermfper/>



DTERMUKM



CERTIFIED TO ISO 9001:2015  
CERT. NO.: QMS 02797



CERTIFIED TO ISO 9001:2015  
CERT. NO.: MY-QMS 02797



UNIVERSITI  
KEBANGSAAN  
MALAYSIA

*The National University  
of Malaysia*

**FACULTY OF MEDICINE**  
THE NATIONAL UNIVERSITY OF MALAYSIA

# DTERM

Department of Tissue  
Engineering & Regenerative  
Medicine

**"Advancing Academic &  
Research Excellence"**



# Our Services

## CONTRACT MANUFACTURING SERVICES

DTERM's cGMP Facility is ISO 14644-compliant and NPRA-audited, adhering to cGMP standards under the PIC/S GMP Guide and annexes.

## CELLS PROVISION

- Primary Human Dermal Fibroblast
- Primary Human Keratinocytes
- Primary Human Respiratory Epithelial Cells
- Primary Human MSC (Bone marrow/ Wharton Jelly)
- Primary Human Chondrocytes

## FACILITY FOR R&D

- Cell Culture Facility
- Animal Facility (Biobubble System)
- Confocal Laser System
- Live Imaging System
- Fluorescence Microscope
- 3D Bioprinter
- Electrospinning system
- Freeze dryer
- Microplate reader
- Real-time PCR

## CONSULTATION

**ISO 9001:2015 & ISO 17025:2017**

## LAB TESTING SERVICES

Cell characterisation via total cell count, viability and immunocytochemistry

# Training & Workshop

- Stem Cell Awareness
- Immunocytochemistry (ICC)
- Cell culture for various types of cells
- Good Manufacturing Practice (GMP)
- Confocal Laser Scanning Microscopy (CLSM)

# Postgraduate Programme

## MASTER OF MEDICAL SCIENCE

- Mode of Study: Research Mode
- Duration:
  - ▶ 4 - 6 semesters (Full time)
  - ▶ 6 - 8 semesters (Part time)
- International Student: Full time only
- Intake: Throughout the academic year

## DOCTOR OF PHILOSOPHY

- Mode of Study: Research Mode
- Duration:
  - ▶ 6 - 12 semesters (Full time)
  - ▶ 8 - 14 semesters (Part time)
- International Student: Full time only
- Intake: Throughout the academic year.

**Application and enrolment open throughout the year**

**Application can be made online via**

▶ <https://join.ukm.my/>

**For more information, please visit:**

▶ <https://www.ukm.my/spsfper/>

# Our Products

## CLINICAL TRANSLATIONAL PHASE

- MyDerm® (completed phase I/IIa in 2016)
- ColPatch® for wound healing
- Dermal Fibroblast Sera for skin rejuvenation
- Skin Cell Drop for wound healing

## FUTURE CLINICAL TRANSLATION

- Lututku™ for osteoarthritis treatment
- Bone construct with TCP/HA Scaffold for bone regeneration
- Cellular, secretome and exosome for wound healing, metabolic syndrome, frailty (aging), etc.
- 3D-bioprinted biinks & biomaterials ink for wound healing

