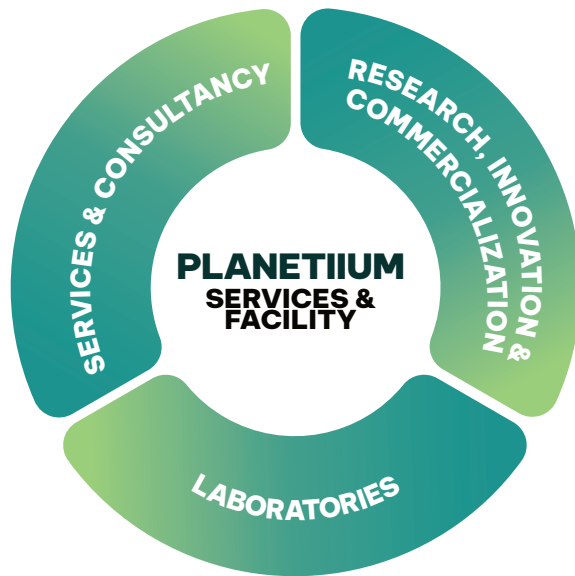


OUR VISION

To be a distinguished referred centre of excellence for conducting multidisciplinary and transdisciplinary research and innovations involving health, biodiversity, and climate change for commercial and community empowerment.

OUR MISSION

Integrate multi/transdisciplinary research involving health, environment, biodiversity, and climate change to produce relevant solutions for commercialization and community empowerment to ensure talent development in sustainable well-being.



Central Research & Animal Facility (CREAM)

- 01 Centralised Lab (iCeL)
- 02 Water Lab (iMaL)
- 03 Animal Science Lab (iLAS)

Frozen Zoo



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PLANETIIUM SERVICES & FACILITY

AVAILABLE INSTRUMENTS IN RESEARCH FACILITY

ZEBRAFISH LAB SECTION

DANIOSCOPE	STEREOMICROSCOPE
DANIOVISION	ZEBRAFISH MICROINJECTOR
HOMOGENIZER	ZEBRAFISH HOUSING SYSTEM

ANIMAL HOUSE FACILITY

ANAESTHETIC CUBICAL CAGE CHANGING SYSTEM	CONVENTIONAL MOUSE/RAT CAGE
MOUSE/RAT INDIVIDUAL VENTILATED CAGE (IVC) SYSTEM	NON-INVASIVE BLOOD PRESSURE MONITOR
SURGICAL APPARATUS	RABBIT RACK
GUINEA PIG CAGE	ANIMAL WEIGHT BALANCE

HISTOLOGY SECTION

AUTOMATED TISSUE EMBEDDING CENTRE	AUTOCLAVE
AUTOMATED TISSUE PROCESSOR	ROTARY MICROTOME
	FLOATATION BATH
	H&E STAINING STATION

MICROSCOPY & CELL IMAGING SECTION

COMPOUND MICROSCOPE	INVERTED MICROSCOPE
CELL IMAGER (CYTELL)	INVERTED MICROSCOPE FOR MICROMANIPULATOR
FLUORESCENCE MICROSCOPE	

CELL BIOLOGY SYSTEM

BIOSAFETY CABINET	FLOW CYTOMETER
CO ₂ INCUBATOR	MICROPLATE READER/ SPECTROPHOTOMETER
CELL COUNTER (LUNA)	MICROBIOLOGY INCUBATOR
IMAGING SYSTEM	

MOLECULAR BIOLOGY SECTION

GEL AIR DRYER	DIGITAL DRY BATH
GEL DOCUMENTATION SYSTEM	QPCR (REAL-TIME)
GEL ELECTROPHORESIS SYSTEM	THERMAL CYCLER
	SEMI DRY PROTEIN TRANSFER
	WESTERN BLOT SCANNER

ANALYTICAL SECTION

BLOOD MIXER	INCUBATOR
CHEMICAL ANALYZER	ROTARY EVAPORATOR
CHENOMX SUITE SOFTWARE	FREEZE DRYER



CENTRALISED LAB (iCeL)

GENERAL SECTION
MOLECULAR SECTION
ANALYTICAL SECTION
HISTOLOGY SECTION
MICROSCOPY SECTION
MICROBIOLOGY SECTION
CELL BIOLOGY SECTION

WATER LABORATORY SECTION (iMaL)

ZEBRAFISH SECTION
MICROALGAE SECTION
PLANKTON SECTION
HATCHERY SECTION

ANIMAL FACILITIES (iLAS)

	EMBRYO/ EGG
ZEBRAFISH	LARVAE
	ADULT
	ASSOCIATED INSTRUMENTS
RODENT	MICE/ RAT
	EXPERIMENTAL ROOM
	ASSOCIATED INSTRUMENTS
RABBIT	ADULT
	ASSOCIATED INSTRUMENTS

FROZEN ZOO