I Procedures of using animal laboratory



Campus Map



National Science Building 102
Engineering Building 104
Engineering Building 106
Technology Management Building 114
Main Administration Building 201

Academic Information Building(AIB) 202
Student Union Building 203
Gymnasium 205
Student Dormitory (301-307)
Stem Cell Research Center 105

How to get to UNIST

Airplane

After arriving Ulsan airport, you can take a taxi to get to UNIST.

Train

After arriving at Ulsan station, you can take a taxi or bus to get to UNIST. Buses that run via the school are as follows : No.733, 807

KTX train

After arriving at KTX Ulsan station, you can take a taxi or bus to get to UNIST. Buses that run via the school are as follows : No.337 $\,$

Express Bus

After arriving at Ulsan express bus station, you can take a taxi or bus to get to UNIST. Buses that run via the school are as follows : No.133, 733, 807

Car

From Seoul, Daejeon, Daegu, Busan Gyeongbu Expressway(Direction of Busan) > West Ulsan IC > Highway N0.24 > UNIST



Research Min Vivo Research Center

생체효능검증센터



Introduction

Goals & Functions

The goal of IVRC is to provide a validation system using animal facility to raise *in vivo* efficacy of functional biomaterials which are newly created by advanced fusion technology in UNIST

The primary function of IVRC is to assist investigators for their research and to conduct animal experiments in accord with the highest scientific, human and ethical principles.

Goals

Reinforcement of research capability

• Core-based and research infrastructure • Establish the foundation of world-class scientific /

Propulsion

Strategies

In Vivo efficacy validation system

- Behavior and pharmacological analysis
- Toxicity / pathology tests

• Infrastructure and network formation for fusion



Facility

Animal Zone (4 Zone)

- Strain Preservation Zone : Clean area for strain preservation
- Small Animal Zone : General animal experiments Establishment of animal disease models
- Return Animal Zone : Behavioral analysis study, In vivo imaging research
- BSL-2 Zone : BSL-2(Bio Safety level-2), Pathogen study

Analysis Lab. (4 Lab.)

- Histopathology Lab. : Gene/protein identification via immunochemical reaction of tissue
- Autopsy Lab. : Tissue extraction, Establishment of animal disease models
- Behavior Analysis Lab. : Behavior analysis of animal disease models
- In vivo Imaging Lab. : Optical and functional image analysis of experimental animals



[Animal Zone]

Major Equipment

Sterilization & Breed System







Autoclave

H₂O₂ Sterilizer IVC Rack Cage Washer

Anatomy







Animal Anesthesia System

Stereotaxic System

Quintessential Stereotaxic Injector

Behavior Analysis







Video-tracking System

Mouse CLAMS Exercise Ability Test System







Passive Avoidance Cage

Analgesia & Pain Test System Digital Water Plethysmometer

In vivo Imaging







Gamma Irradiator

Micro MRI

Echo MRI