

# COURSE DETAIL

## ANIMAL CELL BIOLOGY LAB

**Country**

Japan

**Host Institution**

International Christian University

**Program(s)**

International Christian University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

133

**UCEAP Course Suffix****UCEAP Official Title**

ANIMAL CELL BIOLOGY LAB

**UCEAP Transcript Title**

ANIMAL CELL BIO LAB

**UCEAP Quarter Units**

2.00

**UCEAP Semester Units**

1.30

## **Course Description**

This course teaches basic knowledge and techniques used in animal cell biology, through performing the following animal cell and molecular biology experiments: RNA and protein extraction from rat tissues/cell culture pellets, quantification of transcript (RT-qPCR) and protein (Western-Blotting) expression, and observation of protein expression on rat tissues/cell culture by confocal microscopy.

Recommended Prerequisites: Basic Concepts in Cell Biology; Basic Concepts in Genetics; Advanced Cell Biology, and Laboratory in Foundation of Biology.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

BIO357E

### **Host Institution Course Title**

LABORATORY IN ANIMAL CELL BIOLOGY

### **Host Institution Course Details**

<https://campus.icu.ac.jp/public/ehandbook/PreviewSyllabus.aspx?regno=21146&year...>

### **Host Institution Campus**

International Christian University

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Biology

### **Course Last Reviewed**

2025-2026

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