

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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