

## COURSE DETAIL

### ANIMAL MODELS IN NEUROBIOLOGY

**Country**

Italy

**Host Institution**

University of Padua

**Program(s)**

Psychology and Cognitive Science, Padua

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Psychology

**UCEAP Course Number**

176

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

ANIMAL MODELS IN NEUROBIOLOGY

**UCEAP Transcript Title**

ANIML MODLS NEUROPS

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course examines the use of animal models in translational research to study human diseases (in particular, neuropsychiatric disorders) and the methodology applied. The course discusses topics including the history of animal models; classification of animals; animal diversity; evolution of nervous systems in invertebrates and vertebrates; ethics of animal research; and animal models of neuropsychiatric disorders. Animal models used in research: the nematode *C. elegans*, the common fruit fly (*Drosophila melanogaster*), the zebrafish (*Danio rerio*), the chick (*Gallus gallus*), and the mouse (*Mus musculus*). A lesson is focused on research conducted in cephalopods. For each animal model information about biology, application in scientific research with reference to neuropsychiatric and neurological disorders is provided. The course recommends students have basic knowledge of general biology, psychobiology, and genetics as a prerequisite.

## Language(s) of Instruction

English

## Host Institution Course Number

PSQ1096499

## Host Institution Course Title

ANIMAL MODELS IN NEUROBIOLOGY

## Host Institution Course Details

<https://en.didattica.unipd.it/off/2023/LM/PS/PS1932/000ZZ/PSQ1096499/NO>

## Host Institution Campus

## Host Institution Faculty

Psychology

## Host Institution Degree

Second Cycle Degree in Cognitive Neuroscience and Clinical Neuropsychology

**Host Institution Department**

**Course Last Reviewed**

2023-2024

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