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 Campus

Host Institution Faculty
Psychology

Host Institution Degree
Second Cycle Degree in Cognitive Neuroscience and Clinical Neuropsychology

Host Institution Department

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