COURSE DETAIL

MEMORY MECHANISMS IN HEALTH AND DISEASES
Country United Kingdom - England
Host Institution King's College London
Program(s) King's College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Health Sciences Biological Sciences
UCEAP Course Number 152
UCEAP Course Suffix
UCEAP Official Title MEMORY MECHANISMS IN HEALTH AND DISEASES
UCEAP Transcript Title MEMORY MECHANISMS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Memory is a property of the living brain and operationally it is defined at the behavioral level. For the mechanistic analysis of memory it is important to distinguish between processes, such as memory consolidation and memory retrieval. In mammals, there are independent memory systems that involve distinct brain regions. Neuronal networks establish memories in the brain and distinct molecular and cellular processes within individual neurons are fundamental for memory. In this course, students study state-of-the-art knowledge of memory mechanisms at the molecular, cellular, network, anatomical and behavioral level. Students learn which experimental approaches are being applied to investigate these memory mechanism and they learn to critically reflect on these investigations. The course also covers how diseases, such as Alzheimer's disease, affect memory mechanisms, and how memory abilities may be improved with pharmacological treatments.

Language(s) of Instruction
English

Host Institution Course Number
6BBYN309

Host Institution Course Title
MEMORY MECHANISMS IN HEALTH AND DISEASES

Host Institution Course Details
https://keats.kcl.ac.uk/mod/url/view.php?id=6899195

Host Institution Campus
King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Neuroscience

Course Last Reviewed
2023-2024

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