

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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