

UE Molecular Bases of the Normal and Pathological Memory

 ECTS
6 crédits

 Composante
UFR Chimie-
Biologie

 Période de
l'année
Toute l'année

- > **Langue(s) d'enseignement:** Anglais
- > **Ouvert aux étudiants en échange:** Oui
- > **Code d'export Apogée:** YAMB8U20

Présentation

Description

The goal of this course is to apprehend the latest findings about the cellular and molecular mechanisms of synaptic plasticity and the causes of their impairment in neurodegenerative diseases with a special emphasis on Alzheimer's disease.

- What makes the electric signal? The chemical synapse.
- The glutaminergic synaps: plasticity and memory. Regulation of neurotransmitter disease, of post-synaptic currents, modulation of the expression of pre-and post-synaptic receptors.
- Traffic and diffusion of synaptic receptors
- Genetic and molecular causes of Alzheimer's disease: presinilins, APP, ApoE. Fronto-temporal dementia.

Heures d'enseignement

UE Molecular Bases of the Normal and Pathological Memory - CM	CM	36h
UE Molecular Bases of the Normal and Pathological Memory - TD	TD	12h

Période : Semestre 8

Infos pratiques

Contacts

Responsable pédagogique

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Lieu(x) ville

› Grenoble

Campus

› Grenoble - Domaine universitaire