

Scuola Superiore di Catania

*Corso Specialistico
Classe delle Scienze Sperimentali
Ambito Scienze della Vita
a.a. 2021-2022*

Cognitive dysfunctions in neuropsychiatric disorders: mechanisms and therapeutic challenges

Obiettivi formativi

Learning from leaders in this field, students will discard outdated notions, appreciate the latest ideas, and develop insights into their minds that will create potential research perspectives and clinical approaches.

Prerequisiti degli allievi frequentanti

Physiology, pathology, pharmacology and neurosciences basic knowledge.

Contenuti delle lezioni

The pharmacological treatment of cognitive impairment associated with neuropsychiatric disorders is still a major unmet clinical need. Indeed, treatments with available drugs generate highly variable cognitive responses among patients. This has led to the general assumption that the pharmacological treatment is so far ineffective on cognitive impairment, although personalized medicine and drug repurposing approaches might scale down this clinical issue. In the present course, we will discuss preclinical and clinical findings showing mechanisms as key players in the cognitive performances disrupted in neuropsychiatric disorders. We also emphasize the concept that these mechanistic advances, which help to understand the heterogeneity of cognitive responses, may properly guide treatment decisions and address the unmet medical need for the management of cognitive impairment associated with neuropsychiatric disorders.

Metodologia didattica

Each faculty member presents lectures and discusses with the participants

Modalità della verifica finale di apprendimento

Multiple choice Test