



UNIVERSITÀ  
degli STUDI  
di CATANIA

DIPARTIMENTO DI SCIENZE DEL FARMACO  
E DELLA SALUTE

## **AVVISO DI SEMINARIO**

Lunedì 20 Settembre 2021

**Prof. Giuseppe Legname**

*Scuola Internazionale Superiore  
di Studi Avanzati (SISSA) Trieste*

**“A novel approach for the treatment of neurodegenerative diseases through enhanced clearance of pathological proteins”**

Ore 11:00 Aula Magna (Aula A) DSFS

**Abstract:** *In the last decades, striking advancements of our knowledge in biomedicine have led to a significant improvement of health conditions. This progress has ultimately led to the lengthening of life expectancy: by 2050, almost 400 million people all over the world will be  $\geq 80$  years old. As a consequence, the prevalence of neurodegenerative disorders has rapidly increased. This augment is likely to represent a major social and economic issue in the near future, not only for high-income countries but also in low- and middle- income ones. Even though great efforts have been dedicated to research in recent years, we are still far from understanding the precise molecular mechanisms that lead to neurodegeneration in pathologies such as Alzheimer's, Parkinson's, Huntington's or Creutzfeldt-Jakob's disease. In general, these disorders share a common mechanism of aberrant folding of distinct proteins that, upon misfolding, become more prone to aggregation, and, in turn, may become highly neurotoxic.*

*In this talk prof. Giuseppe Legname will present evidence for a novel mechanism of clearance that could lead to better chances of pharmacological intervention.*

Per Informazioni: Giampiero Leanza ([gpleanza@unict.it](mailto:gpleanza@unict.it), tel 095-7384036)