



**SEMINARS in  
NEUROSCIENCE**

**2022-23**

**Federica Pilotto, PhD**

**Department of Neurology  
Department for BioMedical Research  
Bern (CH)**



**UNIVERSITÀ  
DI TORINO**

**Adaptive to Vulnerability Mechanisms  
in Neurodegeneration**

Neurodegenerative diseases exhibit a silent and prodromal phase where changes in connectivity and neuronal physiology occur with no overt manifestation of symptoms. Nevertheless, the brain is able to cope with those changes counteracting suboptimal neuronal functioning. A critical question is how to identify these adaptive responses, and why at a certain moment these responses fail.

My talk will focus on my recent studies aimed to uncover early endogenous neuroprotective mechanisms and the crosstalk between pathological and adaptive responses in the onset and progression of diseases such as Amyotrophic lateral sclerosis (ALS) and Spinocerebellar ataxia type 1 (SCA1).

**AULA B**

**EX-ISTITUTO ANATOMIA  
C.SO M. D'AZEGLIO 52  
TORINO**

**THURSDAY, 13th OCTOBER  
@2PM**