

BIFI-Talks 2021

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Neurodegenerative proteinopathies: implications and molecular mechanisms of MOK signaling kinase in neuroinflammatory responses

Neurodegenerative diseases, including Alzheimer's, Parkinson's and Amyotrophic lateral sclerosis (ALS) are incurable proteinopathies characterized by progressive neuronal loss, aggregation and deposition of specific proteins in the central nervous system (CNS) and sustained neuroinflammation. In the last few years, it has become increasingly accepted that such protein aggregates have a principal role in triggering neurotoxic immune responses. Still, and particularly for ALS, the molecular mechanisms and proteins participating in these pathogenic processes remain largely unknown. Recently, we have identified MOK Ser/Thr kinase as a TDP-43-interacting protein in an ALS microglial cell model (Leal-Lasarte et al., FASEB J. 2017). Our recent studies, involving biochemical, transcriptomic and interactomic approaches, shed light on the role and molecular mechanisms of MOK in dysregulated immune responses in ALS and other related diseases.

FRIDAY, 8TH OCTOBER 2021, 12:00

ONLINE: ZOOM Seminar

Link: <https://us02web.zoom.us/j/85809480012>