

Special Issue

Old and New Insights into the Role of Tau in Neurodegeneration

Message from the Guest Editors

The cerebral accumulation of abnormal, aggregated filamentous assemblies of hyperphosphorylated tau represents a key feature in many neurodegenerative diseases which, for this reason, are grouped under the common name of tauopathies. Despite many decades of research, no effective therapy is currently available for these pathologies. This Special Issue is dedicated to knowledge of the complex link between tau, tauopathies, aging, and neurodegeneration. We aim to investigate the prion-like properties of tau and its propagation, paying particular attention to the role of brain trauma in the onset and propagation of tau pathology. A new remarkable aspect of tau is its involvement in genetic instability, suggesting a relationship between cancer and neurodegenerative diseases. The activity of neuronal and non-neuronal tau in participating in the development of tumors and their sensitivity to chemotherapy will also be discussed.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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