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.

Guest Editors

Dr. Luisa Diomede

Department of Molecular Biochemistry and Pharmacology, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, 20156 Milan, Italy

Dr. Luca Colnaghi

Department of Molecular Biochemistry and Pharmacology, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, 20156, Milan, Italy

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Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/brainsci

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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.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney
Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

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