

Special Issue

mTOR Signaling in Inflammation, Brain Injuries and Neurodegeneration

Message from the Guest Editor

Neurodegeneration and neuroinflammation are modulated by signaling pathways that are impaired and associated with converging phenotypes including depression (in early stages of the diseases), motor symptoms, autonomic dysfunction, and dementia. One of the key kinases involved in neurodegeneration and inflammation is the mechanistic target of rapamycin (mTOR). This special issue is dedicated to research papers and review articles regarding the involvement of mTOR/Akt signalling in neurodegeneration and the intertwined inflammatory processes that are triggered. We would like to cover mTOR-mediated mechanisms that contribute to synaptic dysfunction, neuron death, circuit impairment, micro- and astrogliosis and neuroinflammation and neurodegeneration. We encourage authors to submit mTOR-related molecular studies in but not limited to:

- a) a neurodegenerative context (AD, PD, HD, ALS).
- b) stroke or traumatic brain injuries.
- c) pathogenic infections affecting the brain, such as SARS-CoV-2 or HIV.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2023)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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