Special Issue

Advances in the Pathophysiology of Memory

Message from the Guest Editors

This Special Issue focuses on reviews and original research articles that help gather further details on the cellular and molecular regulation of RBP in memory and in neurodegeneration. There are numerous limitations in studying mRNA trafficking and translation in neurons. Moreover, most mRNPs transport processes have been studied in the context of nonphysiological stimuli. As techniques for single synapse stimulation and single molecule imaging of mRNA in live tissue improve, we may observe different behavior of mRNA transport under more physiological stimulation paradigms. Continued study of these enigmatic structures thus promises fascinating new insights into neuronal function, and may also suggest novel therapeutic strategies in various disease states. We are seeking submissions that address some of the questions raised above. We aim to bring together new research from different fields, like bioinformatics, biophysics, neurobiology, and neurodegeneration to provide a multidisciplinary evidence base for the importance of RBP in physiological and pathological aspects of brain function.

Guest Editors

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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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