Special Issue

Changes in Cellular Function and Synaptic Transmission in Learning and Memory

Message from the Guest Editor

The ability to learn, form lasting memories, and use this stored information to guide future behaviour are important adaptive and highly conserved neurobiological processes. Neurons communicate with each other through synapses, and the strength of these connections can be altered to direct the flow of information within the central nervous system. Activity-dependent changes in synaptic connections and alterations in the intrinsic excitability of neurons are cellular key features that support learning and memory. This Special Issue will present and discuss the neural processes that enable memory formation, storage and recall under normal and pathophysiological conditions.

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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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