# Changes in Cellular Function and Synaptic Transmission in Learning and Memory

Guest Editor:

**Prof. Dr. Sven Kroener**
School of Behavioral and Brain Sciences, The University of Texas at Dallas, TX 75080, USA

Deadline for manuscript submissions:
**closed (31 December 2018)**

## Message from the Guest Editor

Dear Colleagues,

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.

Dr. Sven Kroener
*Guest Editor*

mdpi.com/si/11264

**Special** Issue

# *brain sciences*

an Open Access Journal by MDPI

## Editor-in-Chief

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

## Message from the Editor-in-Chief

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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.
**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYNDEX, CAPlus / SciFinder, and other databases.
**Rapid Publication:** manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2023).

## Contact Us