

Special Issue

New Insights into Sleep and Memory Consolidation

Message from the Guest Editors

In the processes of learning and memory consolidation, it has been demonstrated that sleep is extremely important. The underlying neurophysiological mechanisms of memory consolidation, however, have not yet been fully understood. In this Special Issue, we want to learn more about the cellular and molecular mechanisms underlying sleep-dependent memory consolidation. We would like to address issues like, "Does sleep play a permissive or an instructional function in memory consolidation?" Does sleep help the brain's cellular and molecular signaling pathways that support memory consolidation? Does sleep improve memory by promoting hippocampus neurogenesis? This Special Issue welcomes original research, clinical studies, and review articles that help advance our understanding of the interactions between Adult Neurogenesis and learning and memory as well as sleep from biochemical, behavioral, or cellular aspects.

Guest Editors

Dr. Sushil Kumar Jha

School of Life Sciences, Jawaharlal Nehru University, New Delhi, India

Dr. Vibha Madan Jha

Faculty of Allied Health Sciences, SGT University, Gurugram, Haryana, India

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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