

## Special Issue

# The Neurobiological Mechanisms of Sleep and Sleep Disorders

### Message from the Guest Editors

Sleep disorders affect millions of Americans and are commonly found with other existing medical conditions, including cardiovascular disease, chronic pain, diabetes, various neurological disorders, and neurodegenerative disease. Several hypotheses exist for the cellular and molecular mechanisms that underlie the need for sleep; however, sleep function remains enigmatic and is a contentious topic. In this Special Issue, we invite authors to explore what neurobiological factors contribute to the need for sleep and how the dysfunction of these mechanisms may relate to sleep disorders. Studies using various animal models or different species, including vertebrate and invertebrate, are welcome. Experimental work using various genetic, epigenetic, molecular, and cellular circuits and systems or behavioral approaches is appropriate for this topic. Research studies or reviews exploring new types of methodologies, analyses, or computational models are also encouraged. This issue aims to complement the current literature in the sleep field, supporting mechanisms and theoretical concepts underlying the physiological function of sleep.

### Guest Editors

Dr. Jason R. Gerstner

1. Elson S. Floyd College of Medicine, Washington State University, Spokane, WA 99202, USA
2. Steve Gleason Institute for Neuroscience, Washington State University, Spokane, WA 99202, USA

Dr. Jonathan Elliott

School of Medicine Research Physiologist, VA Portland Health Care System, Oregon Health and Science University, Portland, OR, USA

### Deadline for manuscript submissions

closed (30 November 2022)



## Biology

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*Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biology@mdpi.com](mailto:biology@mdpi.com)

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

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