

## Special Issue

# Advances in Molecular Research on Physical Activity, Sleep and Cognitive Function

### Message from the Guest Editor

This Special Issue, “Advances in Molecular Research on Physical Activity, Sleep and Cognitive Function”, will focus on our emerging understanding of the molecular mechanisms underlying the interplay between physical activity, sleep, and cognitive function. This Special Issue aims to highlight cutting-edge molecular research that elucidates how physical activity and sleep influence cognitive function. We welcome original research articles and comprehensive reviews that explore topics such as gene expression, proteomics, metabolomics, telomere biology, epigenetic regulation, and biomarkers related to neuroplasticity and neurodegeneration. We cordially invite researchers from the fields of neuroscience, physiology, molecular biology, and related disciplines to contribute their findings to this rapidly evolving and interdisciplinary field.

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### Guest Editor

Dr. Yanwei You

Division of Sports Science & Physical Education, Tsinghua University, Beijing 100084, China

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### Deadline for manuscript submissions

30 November 2025



## Biomedicines

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## About the Journal

### Message from the Editor-in-Chief

*Biomedicines* (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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### Editor-in-Chief

Prof. Dr. Felipe Fregni

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