

## Special Issue

# Exploring the Impact of the Biological Clock on Health and Disease

### Message from the Guest Editor

Topics of interest in the Special Issue “Exploring the Impact of the Biological Clock on Health and Disease” include, but are not limited to, the following:

- The interaction of the master clock, peripheral clock, and clock genes with the endogenous and exogenous metabolites;
- The regulation of the circadian clock system, cellular synchrony, and molecular entrainment;
- The regulation of cell synchrony in different biological models by various stimuli including hormonal stimuli (melatonin, cortisol), nutritional stimuli, xenobiotics, drugs, toxins, etc.;
- The molecular pathways of clock genes in energy homeostasis, satiety and hunger–energy mechanisms, insulin resistance and diabetes, neurodegenerative diseases, ageing, and cancers;
- Biomarkers for the assessment of the state of the circadian rhythm at the three hierarchical levels.

In addition, review articles on the exploration of pharmacological and nutritional approaches targeting the circadian clock for the prevention and treatment of non-communicable diseases are also welcomed.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2026)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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