

Special Issue

Molecular Research on Light's Effects on Animals and Humans

Message from the Guest Editor

Light can influence the physiology and behavior of animals and humans through several pathways, including entrainment of circadian rhythms, which are involved in the control of homeostasis and body functions. Disruption of circadian rhythmicity plays a role in the pathogenesis of various diseases of civilization, and an elucidation of involved molecular mechanisms represents a basis for their effective prevention and treatment. Light pollution is a new and prominent change of our environment and lifestyle, which was not experienced during evolution. Therefore potential consequences of chronodisruption on health and biodiversity are rather unpredictable. New results are urgently needed on synchronization of circadian rhythm by light in combination with other environmental cues and on molecular mechanisms through which chronodisruption can affect physiological and behavioral processes of wild animals and humans. The topics of this Special Issue include but are not limited to molecular mechanisms, how light and chronodisruption influence sleep, metabolic, neurobiological, and behavioral processes, immune functions, and cancer.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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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