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# Circadian Rhythm, Clock Genes and Their New Insight

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# Message from the Guest Editor

Dear Colleagues,

Circadian rhythm affects human health, as well as animals, plants, and microbes. It is dominantly regulated by clock genes. Clock genes such as CLOCK, BMAL1/2, DEC1/2, PER1/2/3, and CRY1/2 play important roles in tumor progression, metabolism, immune responses, and sleep disorders by regulating apoptosis-related factors, cell cycle regulators, and inflammatory factors. On the other hand, various kinds of stress, such as hypoxia, inflammation, and anti-tumor drugs, affect the expression of clock genes. Clock genes have multiple functions that affect most living things.

Our aim is to improve the understanding of new mechanisms that circadian rhythms and clock genes affects human health, animals, plants as well as microbes, to allow the development of strategies to prevent or overcome adverse effects related to circadian rhythms. We encourage the submission of original articles, reviews and mini-reviews involving circadian rhythm, clock genes and human health, animals, plants, as well as microbes.













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## Message from the Editor-in-Chief

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