

Special Issue

Role of the Circadian Rhythm in Cancer Pathogenesis and Treatment

Message from the Guest Editor

The circadian clock driven by the daily light–dark and temperature cycles of the environment regulates fundamental physiological processes and perturbations of these sophisticated mechanisms may result in pathological conditions, including tumor development. A circadian regulation has been proposed for key aspects of cancer cell biology, including cell cycle, genotoxic stress response and metabolism. Here, we propose to collect studies focusing on how the circadian clock interfaces with many oncogenes and tumor suppressors. We particularly welcome manuscripts on the following subjects: Regulation of oncogenes and tumor suppressors by the circadian clock; Tissue-specific circadian control of tumorigenesis; Role of clock genes as putative oncogenes/tumor suppressor genes; Deregulation of circadian rhythms by oncogenes or tumor suppressors.

Guest Editor

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closed (15 May 2023)



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