Special Issue

How the Timing of Biological Processes Is Controlled and Modified at the Molecular and Cellular Level? (3rd Edition)

Message from the Guest Editors

The correct timing of molecular and cellular events is critical for embryo development, cell/tissue homeostasis, and functions in all organisms. One example of this importance is the temporal regulation of cell cycle events. The cell cycle has to proceed in a welldefined time frame to assure, for example, the coordination between cell proliferation and the embryo developmental program. Another example is a circadian rhythm, which refers to any biological process occurring with an approximately 24-hour oscillation. As all aspects of cell physiology require a precise time control, the defects in this control may contribute to a number of diseases, including cancers, diabetes, and metabolic or behavioral disorders, and many more. For this Special Issue, we invite research articles and review articles on all aspects of temporal regulation in cells and tissues, and particularly those which contribute to our understanding of the role of the time-dependent coordination between molecular pathways in physiological vs. pathological conditions.

Guest Editors

Prof. Dr. Jacek Z. Kubiak

Dynamics and Mechanics of Epithelia Group, Faculty of Medicine, Institute of Genetics and Development of Rennes, University of Rennes, CNRS, UMR 6290, 35043 Rennes, France

Prof. Dr. Malgorzata Kloc

 The Houston Methodist Research Institute, Houston, TX 77030, USA
 Department of Surgery, The Houston Methodist Hospital, Houston, TX 77030, USA

Deadline for manuscript submissions

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Message from the Editorial Board

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Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

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