Special Issue

GSK3 as a Master Regulator of Cellular Processes, 2nd Edition

Message from the Guest Editors

Glycogen synthase kinase (GSK) 3□ and □ are key proteins targeting a plethora of molecules and regulating various cellular processes thus steering central functions such as metabolism, proliferation, differentiation, apoptosis, adhesion, and migration. In consequence, GSK3 activity has to be tightly controlled to ensure the regulated course of cellular development and behavior whilst dysregulations may result in a variety of disorders such as neurological/neurodegenerative, metabolic, and inflammatory diseases, or different forms of cancer. Decades of research provided profound knowledge on the activity, regulation, and function of the GSK3 paralogues during physiological as well as pathophysiological events. In many biological contexts, however, GSK3 appears to mediate unexpected, in part even conflicting effects. This Special Issue aims at further elucidating the modulation of GSK3□ and □ under various conditions and their role in controlling multiple processes within the cell. We cordially invite you to submit a respective manuscript to this Special Issue.

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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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