

Special Issue

GSK3 as a Master Regulator of Cellular Processes

Message from the Guest Editors

Glycogen synthase kinase (GSK) 3 α and β 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 α and β 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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