



GSK3 as a Master Regulator of Cellular Processes

Guest Editors:

Prof. Dr. Ralf Lichtinghagen

Institute of Clinical Chemistry,
Hannover Medical School, 30625
Hannover, Germany

Dr. René Huber

Institute of Clinical Chemistry
and Laboratory Medicine,
Hannover Medical School, 30625
Hannover, Germany

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Message from the Guest Editors

Dear Colleagues,

Glycogen synthase kinase (GSK) 3α 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.

Prof. Dr. Ralf Lichtinghagen

Dr. René Huber

Guest Editors





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Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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