

Special Issue

Pannexin- and Connexin-Based Channels under Normal and Pathological Conditions

Message from the Guest Editors

Connexins and pannexins form non-selective membrane channels in most cell types. Few examples present only connexins or pannexins. Both channels are permeable to ions and small molecules and their expression and/or activity are elevated under physiological and pathological conditions. In several cases the first sign of an abnormal condition is the permeabilization of the cell membrane and reduction in membrane potential. To a great extent, these changes are explained by the upregulation or de novo expression of connexins and/or pannexins. Thus, channels formed by these proteins are potential therapeutic targets. In this Special Issue the role of these channels in the etiopathogenesis of several diseases is presented.

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Deadline for manuscript submissions

closed (30 November 2020)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/32755

*International Journal of
Molecular Sciences*
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4052 Basel, Switzerland
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