

Special Issue

Ion Channels and Neurological Disease: 2nd Edition

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue in *Life* on the topic "Ion Channels and Neurological Disease: 2nd Edition".

Ion channels are key elements in the control of membrane physiology and neurotransmission as ionic fluxes assure neuronal signal propagation across and between neurons through synaptic transmission. Pathophysiology of ion channels may originate from either mutations of gene-encoding components of the channel structure (channelopathy) or secondary dysfunctions—both conditions affect intrinsic excitability in the cell and synaptic functions leading to pathophysiological signs of diseases.

The aim of this Special Issue is to provide new achievements in the research on pathophysiological changes and structural altered phenotypes in ion channel malfunction. A particular interest could be addressed to drug screening and targeting in order to propose putative therapeutic avenues (including also nutraceuticals and/or ethnopharmacology) that can be developed to treat or alleviate these incurable diseases.

Related Special Issue:

https://www.mdpi.com/journal/life/special_issues/38L6X14SR5.

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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