

Special Issue

Neuroscience and Molecular Sciences

Message from the Guest Editors

Our community is called to exploit and share scientific contributions in an instrumented Special Issue of the journal *Symmetry* on Neurosciences and Molecular Sciences.

Neuronal networks are orchestrated by a fine-adjusted symmetry or a complementary architectural asymmetry that drives homeostasis and allows for function and adaptation to environmental challenges. Proteins with tandem or compensatory functions, synaptic domains with complementary pairs of neurotransmitters–receptors, strategic dimerization of proteins with death-domain to promote apoptotic signaling are some of the core substrates of the neuronal networks that tune the final decision to spike or not to spike. Symmetric, asymmetric, synchronized, or reciprocal reflecting neuronal network activities constitute the pacemakers of life...

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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