Making and Breaking Symmetries in Mind and Life

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Message from the Guest Editors

Dear Colleagues,

In this diverse collection of articles, we will explore the roles of symmetry in complex adaptive systems across scales, ranging from the emergent dynamics of biophysical mechanisms to the shaping of underlying adaptations through ontogenic and phylogenetic processes. Across these theoretical and empirical explorations, we hope to demonstrate that the study of symmetries may help illuminate fundamental properties of living and intelligent systems. Towards this end, we will consider a broad range of perspectives on (a)symmetries, exploring the extent to which intersections may be found between seemingly disparate phenomena...

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Special Issue

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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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