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Network Based Methods to Reveal Biological Mechanisms in System Biology for Symmetry

Guest Editors:

Prof. Dr. Xiaoping Liu

Key Laboratory of Systems Biology, Hangzhou Institute for Advanced Study, University of Chinese Academy of Sciences, Hangzhou, China

Prof. Dr. Xiao Chang

Institute of Statistics and Applied Mathematics, Anhui University of Finance & Economics, Bengbu 233030, China

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Message from the Guest Editors

Dear Colleagues,

System biology covers the concepts and methodologies used in system-level analysis of biomedical systems, and it is involved in computational, statistical and mathematical methods to reveal biological mechanisms. Network is an important tool to describe the mechanism of interactions or regulations between biological molecules in symmetry research of bioinformatics, system biology computational biology. Network-based methods are powerful tools to model the biological processes; as such, they are beneficial for studies in systems and computational biology. We can construct and utilize different biological networks, as well as use information from different omics data that represent different molecular layers. In this Special Issue, we explore new network-based methods in computational science. information science, statistics and mathematics to solve the issue of systems biology for Symmetry. Please note that all submitted papers must be within the general scope of the Symmetry journal.











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Editor-in-Chief

Prof. Dr. Sergei D. Odintsov ICREA, P. Lluis Companyas 23, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

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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