symmetry

an Open Access Journal by MDPI

IMPACT FACTOR 2.2

CITESCORE 5.4

Molecular Biology and Genome Analysis

Guest Editor:

Dr. Yoshihito Kishita
Laboratory of Genome Sciences, Department of Life Science, Faculty of Science and Engineering, Kindai University, 3 Chome-4-1 Kowakae, Higashiosaka, Osaka 577-8502, Japan

Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editor

The development of genome analysis technology has been remarkable, and the technological progress of next-generation sequencing is constantly advancing. By targeting DNA, RNA, and epigenetic changes to genome analysis, not only the genome sequence but also gene expression and regulation can be revealed. These sequencing technologies have led to the elucidation of the causes of various diseases in the clinical research field, but also in basic research, the genomes of various species have been revealed, and the evolutionary background has been clarified. Today, single-cell sequencing technologies are gaining momentum, and genome analysis at the cellular level has become possible. The details of developmental processes and tissue formation involving symmetry and asymmetry have been revealed by this technology. Single-cell sequencing is increasingly being applied to the medical field, particularly to reveal pathological conditions at the cellular level.

symmetry

IMPACT FACTOR 2.2

CITESCORE 5.4

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov
1. Institució Catalana de Recerca i Estudis Avançats (ICREA), Passeig Luis Companys, 23, 08010 Barcelona, Spain
2. Institute of Space Sciences (ICE-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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (General Mathematics)

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
𝕏@Symmetry_MDPI