Special Issue

Targeting Genomic Evolution and Cancer Progression

Message from the Guest Editor

Genomic instability and telomere maintenance are critical lifelines of cancer cells. Genomic instability, which seems to arise early at a premalignant stage and gradually intensifies, leads to a series of genomic changes, some of which underlie progression through successive stages of disease, development of drug resistance, and poor clinical outcome. The ability to constantly evolve not only enables the cancer cell to acquire new characteristics for the development and progression of disease but also presents a great challenge for cancer treatment and diagnosis. Moreover, the changes acquired as a consequence of genomic instability may also predict patient outcome. The mechanisms underlying genomic instability and their activation during carcinogenesis are not fully understood, and identification of these mechanisms could help in the development of novel strategies for cancer prevention and treatment. We invite investigators to contribute review and/or original research papers describing recent findings in the fields of genomics/genomic instability, inflammation, and/or the environmental/dietary factors affecting cancers.

Guest Editor

Dr. Masood A. Shammas
Department of Medical Oncology, Harvard (Dana Farber) Cancer Institute, Boston, MA, USA

Deadline for manuscript submissions

closed (30 April 2022)

Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed

mdpi.com/si/88005

Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biology@mdpi.com

mdpi.com/journal/biology

Biology

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.4
Indexed in PubMed

mdpi.com/journal/biology

About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne
Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya
Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).

MDPI