

Special Issue

Understanding the Genomic Mechanisms of Oncology

Message from the Guest Editors

Coping with cancer requires an understanding of the cellular and molecular processes that enable tumor cells to survive, proliferate, invade and generate metastases. Over the past decade, there have been groundbreaking advancements in DNA sequencing technologies and other high-throughput platforms, leading to a new era in biology and medical sciences known as "omics". These innovative technologies generate an enormous amount of molecular data, allowing for the exploration of the cellular and tissue landscape of transcripts, proteins, metabolites, genomic functional regions, genome-wide mutation profiling, epigenetic modifications, as well as gene structure and activity within various types of cancers. This Special Issue in *Biology* on "Understanding the Genomic Mechanisms of Oncology" will focus on omics and integrated multi-omics studies. We encourage researchers to contribute their valuable work to this issue and become a part of the collective effort to advance the field of oncology genomics.

Guest Editors

Dr. Sharona Elgavish

Info-CORE, Bioinformatics Unit of the I-CORE, Faculty of Medicine, The Hebrew University of Jerusalem, P.O. Box 12272, Jerusalem 91120, Israel

Dr. Mali Salmon-Divon

1. Department of Molecular Biology, Ariel University, Ariel 407000, Israel
2. Adelson School of Medicine, Ariel University, Ariel 407000, Israel

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

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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.

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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

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