

Special Issue

New Insights on the Regulation of the Cell Plasticity

Message from the Guest Editors

Cell plasticity describes the ability of cells to reversibly change their phenotype. Processes such as epithelial-to-mesenchymal transition (EMT) enhance cellular plasticity in response to signals from the microenvironment. In development, this plasticity is essential for the proper formation of organs, whereas tumor cells hijack components of this machinery to survive hostile microenvironments and to undergo the cellular changes needed for migration, metastasis, and chemoresistance. Therefore, a deeper understanding of the regulatory mechanisms governing these changes may lead to both an improved conceptualization of cell biology as well as therapeutic strategies. This Special Issue aims to highlight the different layers of cell plasticity regulation. We encourage all researchers to present research tools, articles, and up-to-date reviews focusing on the regulation of cell state. The regulation mechanism includes metabolic processes, signal transduction, and any other cellular processes. We look forward to reading your contributions. Dr. Yoav D. Shaul

Guest Editors

Dr. Yoav D. Shaul

Department of Biochemistry and Molecular Biology, The Institute for Medical Research Israel-Canada, The Hebrew University-Hadassah Medical School, Ein Karem, 9112001 Jerusalem, Israel

Dr. Dana Ronen-Ishay

Oncology Institute of the Sheba Medical Center Tel Hashomer, Ramat Gan, Israel

Deadline for manuscript submissions

closed (31 December 2021)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/80066

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

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)