Special Issue

Advances in Single-Cell Multiomic Profiling and Their Translational Application to Human Disease

Message from the Guest Editor

In order to map cellular heterogeneity across tissues, it is important to perform orthogonal measurements that establish links across gene regulation and expression in single cells. Over the past two decades, advances in single-cell multiomics, coupled with computational tools that enable the processing of massive datasets, have revolutionized how we study organized complex biological systems. Evolving concepts of how accessibility in the genome is correlated with gene regulation and expression at the single-cell level is but one of the many examples of how techniques that have been known for decades are now being applied to single cells. Collective efforts by the community will help propel the understanding of human biology and disease. In this Special Issue of *Biomedicines* we invite the community to submit exciting high-quality reviews, full-length articles, and methods describing how single-cell biology is advancing our understanding of complex human biology and disease.

Guest Editor

Dr. Fahd Qadir

Diabetes Discovery Research & Sex-Based Medicine Laboratory, Section of Endocrinology & Metabolism, Tulane University Health Sciences Center, 1430 Tulane Ave., New Orleans, LA 70112, USA

Deadline for manuscript submissions

closed (30 November 2024)

Biomedicines

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/167867

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

mdpi.com/journal/biomedicines

Biomedicines

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed

mdpi.com/journal/biomedicines

MDPI

About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

Prof. Dr. Felipe Fregni
1. Neuromodulation Center and Center for Clinical Research Learning, Spaulding Rehabilitation Hospital and Massachusetts General Hospital, Harvard Medical School, Boston, MA 02114, USA
2. Department of Epidemiology, Harvard T.H. Chan School of Public Health, Boston, MA 02115, USA

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Medicine (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).