



## Fibroblasts: Insights from Molecular and Pathophysiology Perspectives

Guest Editors:

**Dr. Milena Paw**

Department of Cell Biology,  
Faculty of Biochemistry,  
Biophysics and Biotechnology,  
Jagiellonian University,  
Gronostajowa 7, 30-387 Krakow,  
Poland

**Dr. Dawid Wnuk**

Department of Cell Biology,  
Faculty of Biochemistry,  
Biophysics and Biotechnology,  
Jagiellonian University,  
Gronostajowa 7, 30-387 Krakow,  
Poland

Deadline for manuscript  
submissions:

**15 July 2024**

### Message from the Guest Editors

Dear Colleagues,

We are pleased to introduce to you the new Special Issue of the Biomedicines entitled: “Fibroblasts: Insights from Molecular and Pathophysiology Perspectives”.

Better understanding of the nature of fibroblasts and their phenotypic switches underlying the fibrosis-related diseases may become a milestone in the searching for novel, efficient and personalized treatment strategies of many diseases. Therefore, this Special Issue aims to present the current advances in our understanding of all aspects of fibroblasts biology and functions in physiology and pathological processes. We invite you to contribute to a special issue on fibroblasts, both in the context of the development of new research models, their differentiation and de-differentiation (for regeneration medicine), and the role of fibroblasts in physiological states, pathology and tumorigenesis.

Dr. Milena Paw

Dr. Dawid Wnuk

*Guest Editors*





an Open Access Journal by MDPI

## 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

## 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.

## 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](#), [PMC](#), [CAPUS / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Medicine (miscellaneous)*)

## Contact Us

*Biomedicines* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/biomedicines](http://mdpi.com/journal/biomedicines)  
[biomedicines@mdpi.com](mailto:biomedicines@mdpi.com)  
[X@Biomed\\_MDPI](#)