

Special Issue

Connexins and Pannexins in Embryonic and Fetal Development

Message from the Guest Editor

Connexins and pannexins are transmembrane proteins that form large pore channels, where connexin-made channels also make gap junctions, enabling a direct cell-to-cell and paracrine communication between cells via the exchange of ions, metabolites, and second messengers.

Due to their important role in intercellular communication, mutations of gene encoding connexin proteins have been related to several human diseases and developmental disturbances. In addition, the role of connexins in female infertility, through their influence on the development of the germline, oogenesis, implantation, and decidualization, is extensively studied.

Concerning their important roles in embryonal development, disturbances in connexin/pannexin expression might lead to pathological development and result in malformations and diseases. Despite the extensive research that has recently been carried out, our knowledge of this topic is still limited. Hence, we cordially invite investigators to submit review articles or original research that contribute to our understanding of this complex field of general interest.

Guest Editor

Prof. Dr. Natalija Filipović

Department of Anatomy, Histology and Embryology, University of Split
School of Medicine, Šoltanska 2, 21000 Split, Croatia

Deadline for manuscript submissions

closed (30 September 2022)



Biomedicines

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/103785

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

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



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).