

Special Issue

Immunofluorescent Techniques in Animal Stem Cell Research

Message from the Guest Editors

In general, each type of stem cell expresses specific biomolecules such as surface CD markers and/or intracellular/transcriptional factors, which can help to identify their origin. In addition, new stem cell biomarkers are still being sought. Moreover, stem cells may have an important immunomodulatory effect on surrounding tissue by secreting different biomolecules, such as cytokines and growth factors or proteins and exosomes, etc. Other biomolecules such as nucleic acids (DNA, RNA, miRNA, etc.) are also of great interest in stem cell studies. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: immunofluorescent techniques such as fluorescent and/or confocal microscopy, flow cytometry, etc., used for phenotyping; viability and/or proliferation analyses; drug screening; gene editing; fluorescence-activated cell sorting; secretome analysis via fluorescent protein assay; exosomes analysis; DNA analysis; RNA analysis (cell cycle, miRNA); etc. We look forward to receiving your contributions.

Guest Editors

Dr. Jaromír Vašíček

1. Institute of Farm Animal Genetics and Reproduction, NPPC—Research Institute for Animal Production Nitra, Hlohovecká 2, 951 41 Lužianky, Slovakia
2. Institute of Biotechnology, Faculty of Biotechnology and Food Sciences, Slovak University of Agriculture in Nitra, Tr. A. Hlinku 2, 949 76 Nitra, Slovakia

Dr. Andrea Svoradová

Institute of Farm Animal Genetics and Reproduction, NPPC—Research Institute for Animal Production Nitra, Hlohovecká 2, 951 41 Lužianky, Slovakia

Deadline for manuscript submissions

31 July 2026



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/220161

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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