



Animal Models of Human Pathology: Revision, Relevance and Refinements 2.0

Guest Editor:

Dr. Martina Perše

Institute of Pathology, Faculty of
Medicine, University of Ljubljana,
Ljubljana, Slovenia

Deadline for manuscript
submissions:

closed (31 March 2024)

Message from the Guest Editor

Dear Colleagues,

Use of animal models of human pathology is accepted on the assumption that it benefits humans. However, recent publications have shown that research on animals faces serious challenges. The increasing number of potential targets, molecular pathways or treatment strategies, which have been recognized as promising in animal models, have failed when translated into human trials. We have reached the point where the clinical relevance of animal models needs urgent clarification.

The purpose of this Special issue is thus to promote submissions of high-quality papers of basic research using animal models to understand diseases and underlying mechanisms or to investigate new treatment strategies in various human diseases such as cancer, bowel diseases, kidney injury, Parkinson's disease, etc. New approaches towards the use of animal models or refinements of particular animal models of human pathology as well as methodological and welfare principles (such as experimental design and welfare or supportive measures in animal models) are also welcome.

Dr. Martina Perše

Guest Editor





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

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](#)