



biology



an Open Access Journal by MDPI

Animal Models for Gene Function and Disease Mechanisms

Guest Editor:

Prof. Dr. Hiroetsu Suzuki

Laboratory of Veterinary
Physiology, Faculty of Veterinary
Science, School of Veterinary
Medicine, Nippon Veterinary and
Life Science University, Tokyo
180-8602, Japan

Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editor

Spontaneously mutated or genetically modified models are useful for studying gene functions, disease mechanisms, and therapeutic targets. Considering the heterogeneity of animals, studies using several different animal models are necessary to validate conservations or differences of the data between different species. New technologies such as genome editing and whole genome sequence analysis have made it possible to study gene functions and disease mechanisms at the molecular level in various animal species.

This Special Issue welcomes submissions of original research articles, reviews, and communications characterizing disease models and analyzing their pathogenesis in various animal species, and research using materials obtained from investigations of animals with diseases, comparative research of human and animal diseases, and veterinary research regarding species-specific diseases of biological interest.

The goals are to list useful animal models with their phenotypes and to inform the readership of new findings obtained from them.



mdpi.com/si/55453

Special *Issue*



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in
Molecular and Integrative
Biosciences, Faculty of Biological
and Environmental Sciences,
University of Helsinki, P.O. Box
56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology
Institute, University of Valencia
and CSIC, 46980 Valencia, Spain

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Contact Us

Biology Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)