

Special Issue

Animal and Disease Models in Biomedical Research

Message from the Guest Editor

Spontaneous and induced animal models have significantly contributed to scientific developments and improvement of human and animal health. Scientists usually utilize one or more of the scientific methods including in vitro, in silico, vertebrate and non-vertebrate in vivo models. However, the concern about the reproducibility and translatability of animal models has been increasingly addressed both in the scientific community and society. Reproducibility and bench-to-bedside translatability of preclinical research relies on understanding the relevance and limitations and continuous efforts to improve animal models. This Special Issue welcomes original research articles and review articles dealing with emerging factors affecting the reproducibility and translatability of animal models such as standardization and design of animal experiments, interpretation of experimental data, genetic drift, environmental factors, gut microbiota, animal handling techniques, and hygienic conditions of animal facilities. Topics can also include the development and validation of alternative models for animals and the use of animals as disease models and animal welfare.

Guest Editor

Dr. Emrah Yatkin

Central Animal Laboratory, Faculty of Medicine, University of Turku, FI-20014 Turku, Finland

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Veterinary Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vetsci@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

Editor-in-Chief

Prof. Dr. Patrick Butaye

1. Department of Pathobiology, Pharmacology and Zoological Medicine, Faculty of Veterinary Medicine, Ghent University, Salisburylaan 133, B9820 Merelbeke, Belgium

2. Department of Infectious Diseases and Public Health, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, 31 To Yuen Street, Kowloon, Hong Kong SAR 999077, China

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