



*animals*



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## Refinements to Animal Models for Biomedical Research

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (31 July 2020)**

### Message from the Guest Editor

The value of publications focused specifically on refinement of animal models in biomedical research is immense. Despite the aims of the ARRIVE (Animals in Research: Reporting *in vivo* Experiments) guidelines published in 2010 and revised in 2019, there is still room for improvement in the level of detail included in publications.

Refinement refers to optimizing the welfare of research animals by avoiding or minimising pain, fear and distress and by maintaining animals in conditions that promote their health and well-being. Key contributors to efforts at refinement include anaesthesia, analgesia and post-operative care of animals. Ultimately, refinements should achieve improvements in animal welfare and quality of science.

We invite submissions describing efforts at refinement to animal models to increase the evidence base and to identify and explore opportunities for improving animal welfare and the quality of science.



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**Special** Issue



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## Message from the Editor-in-Chief

*Animals* is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

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