

Special Issue

In Vitro, In Vivo and Ex Vivo Veterinary Oncology Research and Treatment for Companion Animals

Message from the Guest Editors

Veterinary oncology has made huge progresses in recent years, but there are still many areas that need attention. One of the greatest challenges in oncology is to identify an experimental model that can reproduce the complexity and dynamism of the tumour in order to find targeted treatments. In vitro cell cultures are the starting point for providing meaningful insights into specific research questions. However, these do not fully replicate the tumour microenvironment. In vivo models overcome this obstacle but are more time-consuming and often pose ethical concerns. Ex vivo cultures represent three-dimensional models that maintain the complexity of the tumour biology, often including the stromal microenvironment, and represent a promising method that needs to be exploited in further studies. This Special Issue aims to collect papers that further investigate veterinary oncology using in vitro, in vivo, or ex vivo research methods to improve the knowledge of tumours and their possible treatment in companion animals. For more details, please feel free to contact the Special Issue Editor, Ms. Corrie Chen (corrie.chen@mdpi.com).

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Deadline for manuscript submissions

10 September 2025



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/228298

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About the Journal

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 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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