

Special Issue

Advancements in Molecular Diagnostics in Veterinary Oncology

Message from the Guest Editor

Advancements in molecular diagnostics and genomic technologies have revolutionized our understanding of cancer in veterinary medicine. Companion animals, particularly dogs and cats, not only benefit from these advancements but also serve as valuable models for human cancers due to the similarities in tumor biology and shared environments with humans. This Special Issue aims to bring together the latest research on molecular diagnostics, genomic insights, and innovative approaches in veterinary oncology. We invite papers focus on, but are not limited to, the following:

- The development and validation of novel molecular diagnostic tools;
- Biomarker discovery for diagnosis, prognosis, and therapeutic targets;
- Comparative oncology studies bridging veterinary and human cancer research;
- The integration of molecular data with digital pathology to enhance diagnostic precision;
- The implementation of personalized treatment plans informed by molecular diagnostics.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2025)



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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 (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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