

Special Issue

Cancer Immunotherapy Research in Veterinary Medicine

Message from the Guest Editors

Immunotherapy has revolutionized cancer treatment and has become an increasingly important approach in human oncology. The main fields of immunotherapy include the study of the immune system role in tumor progression and their dynamic interaction, the tumor microenvironment, the development, and the use of therapies stimulating the immune system to elicit an anti-tumoral response. Based on the underlying mechanism, different categories of immunotherapy have been developed in cancer treatment, such as cancer vaccines, immune checkpoint inhibitors (es PD-1 and CTLA-4), adoptive transfer of engineered cells (such as T-cells, natural killer cells or macrophages), cytokine therapies, monoclonal antibodies as therapeutic agents, and oncolytic virotherapy. The purpose of this Special Issue is to focus on immunotherapy approaches in veterinary medicine, involving pathological, clinical, and translational studies on immunotherapy biomarkers, immunology signaling pathways, and novel immunotherapies.

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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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