

Special Issue

Canine and Feline Adipose-Derived Stem Cells in Veterinary Medicine

Message from the Guest Editors

In the last decade, significant interest related to stem cell therapies has arisen in veterinary medicine, particularly for small companion animals. Generally, dogs and cats are considered excellent models not just for human disease, but also for canine and feline endangered species. It has become evident that mesenchymal stromal cells (MSCs) are promising candidates for cell-based therapies due to their immunomodulatory properties, including paracrine action, apoptosis mediated immunomodulation, secretion of extracellular vesicles, and mitochondrial transfer of membrane vesicles and organelles. MSCs have been isolated from various tissues; adipose tissue is commonly considered the most attractive source of MSCs because of a large cell yield and minimally invasive procedure needed for sample collection. We are pleased to invite original research papers and reviews that will advance the knowledge on canine and feline adipose tissue-derived stem cells, including characterization, differentiation, secretome analysis, and evidence-based clinical approaches. We look forward to receiving your contributions.

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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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