

## 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.

Prof. Dr. Eleonora Iacono

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### Guest Editors

Dr. Barbara Merlo

Department of Veterinary Medical Sciences, University of Bologna, Via Tolara di Sopra 50, 40064 Ozzano Emilia, Bologna, Italy

Prof. Dr. Eleonora Iacono

Department of Veterinary Medical Sciences, University of Bologna, Via Tolara di Sopra 50, 40064 Ozzano Emilia, Bologna, Italy

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### Deadline for manuscript submissions

closed (1 September 2023)



## Animals

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*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia

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