

Special Issue

SPECT and PET Imaging of Small Animals Volume 2nd Edition

Message from the Guest Editors

Over the past two decades, there has been a great demand for dedicated small-animal imaging systems for biomedical research applications. Several commercial and research small-animal imaging systems have recently emerged, including PET, PET/CT, and PET/MR, as well as SPECT and SPECT/CT scanners. In recent years, there has been an increased demand for improved drug development and for in vivo monitoring of internal organs' morphological and functional characteristics. In this direction, there are several aspects of medicine that can be thoroughly explored by microPET and microSPECT systems, including diagnosis and novel therapeutic interventions. The future of small-animal imaging lies in the upgrade of relevant hardware and software, in the development of novel applications, and in the improvement of camera sensitivity, spatial resolution, and sophisticated image reconstruction. The aim of this Special Issue is to present novel research articles that demonstrate new instrumentation developments, imaging protocols, reconstruction algorithms, and imaging applications in small-animal PET and SPECT imaging.

Guest Editors

Dr. Anastasios Gaitanis
Dr. Nicholas E. Protonotarios
Dr. George Kastis

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Journal of Imaging
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jimaging@mdpi.com

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About the Journal

Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

Editor-in-Chief

Prof. Dr. Raimondo Schettini

Department of Informatics, Systems and Communication, University of Milano-Bicocca, viale Sarca, 336, 20126 Milano, Italy

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