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AI-Based Medical Image Analysis: State-of-the-Art Techniques and Emerging Applications

Guest Editors:

Dr. Fabio Bottari

Prof. Dr. Marcin Balcerzyk

Dr. Andrea Corsi

Dr. Manasi Datar

Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editors

This Special Issue will provide an in-depth overview of the latest advancements, challenges, and future prospects in the fields of medical imaging and artificial intelligence (AI). Due to the rapid progression of AI technologies, there has been a significant impact on medical imaging, revolutionizing the way healthcare professionals diagnose and treat various conditions.

The collection of articles within this Special Issue will present cutting-edge research and innovative applications of AI in medical imaging. It will cover a wide range of topics, including image analysis, computer-aided diagnosis and prognosis, image segmentation, synthetic image generation, deep learning algorithms, and image reconstruction techniques, highlighting the potential of AI to enhance the accuracy, efficiency, and interpretation of medical images, leading to improved patient care and outcomes.

We will welcome contributions from leading researchers and practitioners that will shed light on the recent developments and highlight key challenges, such as data quality and interpretability in AI-driven medical imaging.



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Special Issue



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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

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Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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