



Advances in Image-Based Decision Support Systems for Personalized Healthcare and Computational Biology

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Message from the Guest Editors

Dear Colleagues,

Advancements in imaging technologies have revolutionized the landscape of healthcare and computational biology. The integration of cutting-edge methodologies, such as machine learning and foundation modelling, with biomedical imaging data holds tremendous potential for shaping the future of healthcare, offering improved diagnostics, and advancing personalized medicine. This Special Issue welcomes original research papers, reviews, and case studies addressing a wide range of topics related to image processing and analysis in computational biology, healthcare, and medicine. Topics of interest include, but are not limited to:

biomedical imaging

radiology and optical imaging

multimodal imaging

multi-omics data fusion

tomographic reconstruction

image analysis for personalised medicine

image analysis for computer aided diagnosis

This Special Issue aims to bring together the latest research in diverse areas of image-based decision support systems that have transformative potential in improving patient care, diagnosis, and personalized medicine.

Special Issue





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Message from the Editor-in-Chief

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