



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

Guest Editors:

Prof. Dr. Ivan Štajduhar

Faculty of Engineering, University of Rijeka, Vukovarska ulica 58, Rijeka, 51000, Croatia

Prof. Dr. Matija Milanic

Faculty of Mathematics and Physics, University of Ljubljana, Jadranska ulica 19, 1000 Ljubljana, Slovenia

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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.





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Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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Mathematics Editorial Office
MDPI, Grosspeteranlage 5
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