Advanced Computational Methods for Oncological Image Analysis

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

Cancer is the second most common cause of death worldwide and encompasses highly variable clinical and biological scenarios. Some of the current challenge clinical challenges are (*i*) early diagnosis of the disease and (*ii*) precision medicine, which allows for treatments targeted to the specific clinical cases. The ultimate goal is to optimize the clinical workflow by combining accurate diagnosis with the most suitable therapies. Towards this, large-scale machine learning research can define associations among clinical, imaging, and multi-omics studies. This methodology provides reliable diagnostic and prognostic biomarkers for precision oncology.

[...]

This Special Issue will provide a forum to publish original research papers covering state-of-the-art and novel algorithms, methodologies, and applications of computational methods for oncological image analysis, ranging from radiogenomics to deep learning.

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Special Issue

Editor-in-Chief

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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.

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