Special Issue

Biomedical Imaging: From Methods to Applications

Message from the Guest Editors

Biomedical imaging covers all the processes involved in the acquisition, processing, visualization, and analysis of structural or functional images of living specimens or systems. It includes both biological and medical applications. Examples of biomedical image modalities include X-ray, CT, MRI and fMRI, PET, SPECT, MEG, microscope/fluorescence imaging, and photoacoustic, among others. It is an exciting topic which is continuously evolving.

The purpose of this Special Issue is to provide an overview of the new developments in Biomedical Imaging. Potential topics include, but are not limited to, new biomedical image modalities, multimodality imaging, new developments in image processing methods such as machine learning and deep learning techniques, as well as new algorithms and computational methods applied to biomedical imaging.

New methodological approaches, as well as in vitro, in silico or in vivo studies, that challenge current thinking in biomedical imaging research are warmly welcomed topics. Review studies, including those that use conceptual frameworks for any of the aforementioned topics, will also be welcomed.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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