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Biomedical Photoacoustic Imaging and Sensing Using Affordable Resources

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Message from the Guest Editors

Photoacoustic (PA) or optoacoustic imaging is a hybrid imaging technique with tremendous potential in multi-scale preclinical and clinical biomedical applications. PA imaging is one of the fastest-growing biomedical imaging modalities of the decade, offering scalable imaging depth and resolution, and optical spectroscopic contrast, making it a promising solution for real-time functional, molecular, and structural imaging of tissue. Biomedical PA imaging is now at an exciting stage of clinical translation and it is of paramount importance for academia and industry to come up with portable and affordable light delivery/detection solutions to accelerate the smooth transition to clinic. This Special Issue encompasses a broad range of PA imaging techniques, mainly focused on recent advances in light sources and delivery methods, and new detection strategies towards affordable point-of-care PA imaging.



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Special Issue



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Message from the Editor-in-Chief

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