

Special Issue

Photoacoustic Imaging: Applications, Approaches, and Systems

Message from the Guest Editors

Photoacoustic and ultrasound imaging has been substantially growing because of its unique capabilities in sensing both optical and acoustic properties of biological tissues. Based on the photoacoustic effect, thermal expansion induced by pulsed-laser irradiation generates acoustic pressure detected by ultrasound transducers, which shows great potential in numerous clinical applications, including cancer identification, functional imaging of brain, and more. This special issue covers a broad range of topics in photoacoustic and ultrasound imaging, including its approaches, systems, and clinical applications.

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