



Photoacoustic Imaging and Its Biomedical Applications

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Message from the Guest Editors

The aim of this Special Issue is to publish original research and reviews within the photoacoustic/optoacoustic imaging and relevant fields, presenting the current state-of-art development in all aspects of photoacoustic imaging. The list of topics of interest includes (but is not limited to) the following:

- Technical innovations in photoacoustic tomography, mesoscopy, microscopy, and nanoscopy;
- Contrast agents, molecular probes, and nanotechnologies;
- Functional and molecular imaging and sensing;
- Preclinical/clinical imaging and applications, clinical translation;
- Advanced signal processing, filtering, image processing and imaging reconstruction algorithms including deep learning;
- Multi-modality systems, biomedical and clinical applications involving acoustics and optics;
- Microwave and X-ray induced ultrasound imaging and sensing;
- Laser ultrasound technologies;
- Novel light delivery and ultrasound sensing technologies;
- Interactions with cells and tissues.

