Special Issue

Advanced Techniques in Biomedical Optical Imaging

Message from the Guest Editors

Biomedical optical imaging is a rapidly developing field with numerous exciting applications in clinical diagnosis and biological research. Important new advancements of optical imaging equipment and technology can contribute to key breakthroughs and discoveries in disease diagnosis and biological exploration, such as photoacoustic imaging, optical coherence tomography, diffuse optical tomography, fluorescence spectroscopy, Raman spectroscopy, confocal and multiphoton microscopy, super-resolution microscopy, and many others. This Special Issue invites manuscripts that introduce recent advances in "Advanced Techniques in Biomedical Optical Imaging". All theoretical, numerical, and experimental papers are accepted for submission. Original research papers and review articles are both welcome. Topics include, but are not limited to, the following:

- Optical microscopy;
- Photoacoustic imaging and spectroscopy;
- Optical coherent tomography;
- Diffuse optical tomography;
- Spectroscopic and imaging techniques;
- Multimodality and multiscale approaches;
- Machine learning and image processing;
- Basic research and translational research.

Guest Editors

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Dr. Yujiao Shi

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Deadline for manuscript submissions

closed (30 October 2023)

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

Editor-in-Chief

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