

Special Issue

Biophotonics Imaging and Therapy: Advances, Applications, and Perspectives toward Translation and Clinics

Message from the Guest Editors

Light is almost an ideal mechanism to probe and treat biological tissues. It is safe, nonionizing, noncarcinogenic, and it interacts with tissue directly at molecular levels, allowing for functional, metabolic, and molecular imaging at very early stage of diseases. Moreover, light can be used for controlled therapy, activation, and manipulation. Although light experiences strong scattering at depths in tissue, which causes primary trade-off between spatial resolution and penetration depth, researchers in the field have proposed many approaches to tackle this challenge from different perspectives. In recent decades, exciting achievements have been accomplished in biophotonics, which has greatly advanced or even reshaped the landscape of biomedical imaging and therapy, enabling many applications that were otherwise impossible.

This Special Issue plans to focus on recent advancement and applications of optical imaging and therapy technologies toward translation and clinics. Fundamental research to tackle existing technical limitations and perspectives of future development is also welcome.

Guest Editors

Dr. Puxiang Lai
Prof. Dr. Liming Nie
Prof. Dr. Junle Qu

Deadline for manuscript submissions

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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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

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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