

Special Issue

OCT Technology Advances and Their Applications in Disease Studies

Message from the Guest Editors

Optical Coherence Tomography (OCT) and its associated technologies, such as OCT angiography, Doppler OCT, polarization-sensitive OCT, OCT elastography have been widely applied in ophthalmology, gastroenterology, cancer biology, neuroscience and many other fields. Current efforts in the field are advancing OCT technologies, leading to a higher resolution, faster scanning speed, larger scanning field-of-view, and novel contrast for imaging. With these technical innovations, relevant preclinical and clinical disease studies are being further developed. This Special Issue aims to present original research studies on advances in OCT-relevant technologies, and their applications in disease studies. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Optical coherence tomography/microscopy;
- OCT angiography;
- Low coherence interferometry;
- Image processing;
- Polarization sensitive OCT;
- Spectroscopic OCT;
- Biophotonics;
- Retina imaging;
- Brain imaging;
- Disease model;
- Preclinical and clinical imaging.

We look forward to receiving your contributions.

Guest Editors

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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.

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