

# Special Issue

## Recent Advances in Multiphoton Microscopy

### Message from the Guest Editors

Multiphoton microscopy enables sub-micron-scale spatial resolution of structures deep within scattering media that are inaccessible via other imaging modalities. Researchers and scientists around the world continue to develop multiphoton microscope technology that enables the interrogation of wider fields of view, larger depths, and/or faster dynamics for various applications.

This multi-disciplinary pursuit involves a broad range of scientists from technology innovators to researchers working in very niche fields. This Special Issue invites researchers to cross-pollinate the broader field of multiphoton microscopy with their technological advancements. Topics of interest include but are not limited to:

- Three-photon microscopy;
- Third-harmonic generation microscopy;
- Wide-field multi-photon microscopy;
- High-speed/high-throughput imaging;
- Contrast enhancement in multiphoton microscopy;
- New techniques or implementations of light manipulation;
- Hardware miniaturization;
- Advances in image processing or detector technology.

### Guest Editors

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### Deadline for manuscript submissions

closed (10 December 2023)



## Photonics

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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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### Editor-in-Chief

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