# Special Issue

# Design and Applications of Optical Microscopy Imaging System

## Message from the Guest Editors

The design of optical microscopy imaging systems is rapidly becoming increasingly important due to the wide range of applications of optical microscopy imaging in related fields such as biology, medicine, and materials. Over the past few decades, a series of advancements in optical devices and control methods have made optical microscopy imaging systems more influential in biomedical imaging. This Special Issue will focus on comprehensive study of the design and applications of optical microscopy imaging systems spanning designing methods, analyzing methods, and microscopy application. Original research articles and perspectives are welcome from multidisciplinary research fields, with a focus on topics including, but not limited to:

- The novel design of optical microscopy systems for biomedical optical imaging.
- New applications of optical microscopy systems.
- The exploitation and application of fluorescence lifetime imaging systems.
- The exploitation and application of optical super-resolution imaging systems.
- Photoacoustic imaging, photoacoustic microscopy, and photoacoustic tomography.

## Guest Editors

Dr. Wei Yan

Prof. Dr. Chao Tian

Dr. Luwei Wang

## Deadline for manuscript submissions

closed (28 February 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.

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