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## Advanced Optical Microscopy and Imaging Technology

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Deadline for manuscript  
submissions:

**15 November 2024**

### Message from the Guest Editors

The area of optical microscopy and imaging technology is ever-evolving to extend the ability of researchers to elucidate intricate biological structures and functions.

This Special Issue, entitled “Advanced Optical Microscopy and Imaging Technology”, aims to compile significant research and review articles on a wide range of optical microscopy technologies and imaging applications that reflect the current development and future directions of the field. We are pleased to invite you to submit your manuscripts to this Special Issue. Topics include, but are not limited to, the following:

- Advances in super-resolution microscopy;
- Developments in nonlinear optical microscopy;
- Technological advances and applications of light-sheet microscopy;
- Novel fluorescence labeling and sample preparation methods or applications;
- Applications of adaptive optics in optical microscopy aberration correction;
- Progress and developments in confocal microscopy, computational imaging, and phase contrast imaging;
- Deep learning-aided microscopy implementation technology;
- Developments in multimodal optical correlative imaging.

We look forward to receiving your contributions.



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# Special Issue