

Special Issue

Superresolution Optical Microscopy

Message from the Guest Editors

Presently, a variety of methods exist that overcome the hundred-year-old theoretical limit for the resolution potential of light microscopy (of about 200 nm for visible light), which for many decades has precluded a direct glimpse of the molecular machinery of life. In this Special Issue, we plan to summarize the state of the art from the methodological point of view, and to address some of the challenges still to be resolved before the SRM approaches will be fit to bring about the revolution envisaged in biology, medicine, and the material sciences. In this context, contributions to these subjects are welcome to include optical, physico-chemical, technical and image processing topics.

Guest Editors

Prof. Dr. Christoph Cremer

Prof. Dr. Rainer Heintzmann

Prof. Dr. Jennifer Lippincott-Schwartz

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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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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