

Special Issue

Technical Advances in Light Microscopy

Message from the Guest Editor

The different imaging modalities such as confocal, multiphoton, light sheet, or super-resolution can be collectively called advanced light microscopy technologies. Each technique has specific advantages and drawbacks that appeal to different researchers, depending on their specific applications and needs. Despite the latest efforts, biomedical researchers are still looking for novel ways for visualising organisms, tissues, cells and subcellular components. In each case, higher resolutions, larger fields of view and penetration depths, faster imaging speeds, higher signal to noise ratios and better sensitivities, etc. keep to be sought. To address these issues, a multi-disciplinary cutting-edge research effort is necessary. This should combine different scientific disciplines such as optics and photonics, engineering, medicine, chemistry and mathematics. In this Special Issue on “Technical Advances in Light Microscopy”, we welcome original research and review articles dealing with novel technical implementations in light microscopy used to tackle important bio-medical questions.

Guest Editor

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Message from the Editor-in-Chief

Methods and Protocols (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

Editor-in-Chief

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