Special Issue

Recent Advances in Optical Bioimaging

Message from the Guest Editor

Compared to other imaging methods (e.g., X-ray or NMR tomography) optical bioimaging has traditionally been limited due to its associated light scattering and low penetration depth within tissue. However, in recent years, the range of available wavelengths has been extended, novel imaging methods have been developed, and techniques of optical clearance have been applied in order to reduce light scattering considerably.

This Special Issue will present a collection of papers on structural and functional optical bioimaging. Authors are invited to submit papers related to microscopy, endoscopy, and other imaging modalities in area including 3D imaging, optical tomography, super-resolution, as well as spectral or fluorescence lifetime imaging. In addition to fluorescence methods, papers related to elastic or inelastic light scattering, opto-acoustics, OCT, or Terahertz imaging are highly welcome, covering the whole field from basic research to clinical (diagnostic or therapeutic) applications.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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