



Recent Advances in Optics and Photonics for Biosensing and Bioimaging Applications

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Message from the Guest Editors

Dear Colleagues,

Biosensing and bioimaging techniques based on optics and photonics technology offer the capability of non-destructive detection of biomolecules in a variety of biomedical applications ranging from basic science investigations to clinical diagnosis. The focus of this issue is to provide an interdisciplinary forum for state-of-the-art developments in both fundamental and technological aspects of biosensing and bioimaging fields, including the recent progress and trends in optical sensing, spectroscopy, imaging, and their applications in diagnostics and therapeutics. Those techniques suitable for point-of-care diagnostics in low-resource regions are particularly encouraged. Both original research and review articles are accepted. Topics include but are not limited to:

- Optical biosensing
- Optical bioimaging
- Development of cost-effective devices for optical spectroscopy and imaging
- Smart phone based optical spectroscopy and imaging
- Lab-on-chip development for point-of-care optical diagnostics in low-resource regions

