

Special Issue

Sensors in Fluorescence Imaging

Message from the Guest Editors

Fluorescence imaging has a tremendous impact in life science. In particular, the advent of the novel combination of spectroscopy with the design of chemical and biological biosensors make it possible to interrogate in vivo cell processes that before needed to be done in vitro. The application of these novel biosensors changes the output from raw images to quantitative biology, where these methods have a strong impact in biophysical and biological systems. The quantitative information provided in fluorescence gives us detailed maps of cellular processes at unprecedented spatial and temporal resolution. Sensors – in terms of fluorescence species, can be broadly separated into two types: (i) biosensors, to study biological processes and (ii) instrument sensors, which can be used for influencing the imaging. This Special Issue will cover state-of-the-art developments in biosensors and their applications for life science.

- Fluorescence
- Biosensors
- Image sensors
- FLIM
- Hyperspectral imaging

Guest Editors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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