Special Issue

Design, Synthesis and Application of Multi-Functional Fluorescent Probes for Bioimaging

Message from the Guest Editor

Cancers are a major cause of death and burden on public healthcare. Understanding the pharmacological mechanisms of candidate drugs is central to translational research. Since many molecular events are implicated in cancers, novel methods are needed to accelerate drug discovery. Real-time imaging of molecular events has gained attention for providing insights into disease pathogenesis. This Special Issue, "Design, Synthesis and Application of Multi-Functional Fluorescent Probes for Bioimaging," highlights recent advances in chemical probes for imaging pathological events to study pharmacodynamics and toxicity. Fluorescent imaging is now essential in biological research. Interdisciplinary collaboration is crucial to refine functional probes for diagnostic and therapeutic use. We invite submissions from biology, chemistry, medicine, engineering, and related fields focusing on: (1) Fluorescent probes for sensitive biosensing.
(2) Probes to evaluate intracellular signaling.
(3) Pathology and toxicology of molecular events.
(4) Probes for detecting events in pathology and toxicology.
(5) Probes related to cell damage.

Guest Editor

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Deadline for manuscript submissions

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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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