Special Issue

Activatable Probes for Biosensing, Imaging, and Photomedicine

Message from the Guest Editors

Activatable probes and sensors that amplify or boost signals in response to the target of interest have a critical role in biosensing, imaging, and photomedicine. This Special Issue focuses on activatable sensing technologies through the use of fluorescence imaging, chemiluminescence imaging, afterglow imaging, photoacoustic imaging, optical coherence tomography, super-resolution optical imaging, near infrared imaging, nonlinear optical imaging, photomechanical actuation, photothermal actuation, and photo thermomechanical actuation, etc. The activatable probes and sensors can be developed and used in such strategies and technologies but are not limited to the methods mentioned above. Contributions may also include different aspects in terms of design, development, and validation of biosensors. The aim of this Special Issue is to highlight the advanced processes on the development of various activatable probes or sensors as diagnostic and therapeutic platforms for biomedical applications. Review articles and research articles related to the above activatable biosensing technologies are welcome.

Guest Editors

Prof. Dr. Haobin Chen
Dr. Yifei Jiang
Prof. Dr. Qiongzheng Hu

Deadline for manuscript submissions

closed (15 March 2024)

Biosensors

an Open Access Journal by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed

mdpi.com/si/122190

Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza
Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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