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Bioconjugate Chemistry for Biosensors

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Message from the Guest Editor

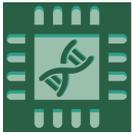
Bioconjugate chemistry is an interdisciplinary science field that combines organic chemistry, biochemistry, and biology. The 2022 Nobel Prize in Chemistry recognized the important contributions of Bertozzi, Meldal, and Sharpless in developing click chemistry and biorthogonal chemistry, which have widely been used by researchers to achieve efficient and site-selective control of bioconjugation reactions. By conjugating biological structures with electrochemically or fluorescently active groups, new possibilities for bioimaging and applications of biosensors are created. Therefore, the functionalization of biomolecules, such as enzymes, antibodies, DNA, and RNA, as sensitive biological recognition elements for biosensors is a promising approach to improving biosensor technology.

We encourage the submission of recent discoveries and improvements in bioconjugate chemistry for biosensors, including works related to bio-organic, organic and analytic chemistry, biochemistry, electrochemistry, and spectroscopy. This Special Issue of *Biosensors* will showcase the latest progress and unique advantages in these areas.



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Special Issue



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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.

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