Special Issue

Application of Functional Nucleic Acid Based Biosensors in Cell or Tissue Analysis

Message from the Guest Editor

In recent decades, various biosensing strategies based on functional nucleic acids and functional DNA nanostructures with amplified signals have been developed to achieve signal-amplified cell imaging and tissue analysis. The labeling of DNA nanostructures with fluorescent dyes is one of the techniques most often employed to track the spatial location of biomarkers inside cells. Many in situ amplifications have been developed for cell imaging and tissue analysis via FRET signals. Encouraged by the developments concerning functional nucleic acids in cell imaging and tissues analysis, greater valuable information of the cell or tissue should be provided.

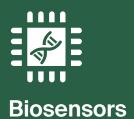
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Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, 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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