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Electrical/Optical Biosensing and Regulating Technology II

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Message from the Guest Editors

Dear Colleagues,

Electrical/optical biosensing and regulating technology is a powerful tool to perform biomedical research and its applications. Using highly sensitive electrical/optical sensing technologies, weak signals or trace biomarkers of biological living bodies can be detected in a dynamic, real-time, and label-free way. Moreover, high-throughput devices and systems are manufactured to efficiently perform and apply biosensing and regulating research. Electrical/optical biosensing and regulating technology will be a promising tool in the wide fields of biological investigations, physiological detection, pharmaceutical screening, and environmental monitoring.

This Special Issue focuses on the recent advances in electrical and optical biosensors, including the design of various micro/nanoscale devices or probes, matched sensitive biosensing approaches to convert biological or chemical signals to electrical/optical signals, and high-throughput biosensing systems for the detection of biomarkers or signals from the biological living body.



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Message from the Editor-in-Chief

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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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