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Advances in Quantum Dots Biosensing

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Message from the Guest Editor

Dear Colleagues,

The progress in biological research and clinical practice is heavily dependent on sensitive and selective biosensing of interesting biomolecules. Due to their unique and superior optical, electronic properties such as high brightness, good photostability, broad absorption spectrum, narrow and size-tunable emission spectrum, large Stokes shift, versatile surface modification, and distinctive photoelectrochemical activity, quantum dots have emerged as powerful building blocks for the development of efficient biosensors with high sensitivity, good selectivity, rapidity, and simplicity.

This Special Issue on “Advances in Quantum Dot Biosensing” aims to present the most advanced biosensing technologies using quantum dots as the sensing elements and to demonstrate their applications in the quantitative detection of diverse biomolecules such as DNAs, RNAs, proteins, enzymes, and live cells.



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Message from the Editor-in-Chief

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