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## Innovations in Molecular and Genetic Biosensors: Emerging Techniques and Applications in Cancer Detection and Therapy

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### Message from the Guest Editor

This Special Issue focuses on "Innovations in Molecular and Genetic Biosensors: Emerging Techniques and Applications in Cancer Detection and Therapy." Capitalizing on advances in molecular and genetic technologies, the issue aims to spotlight cutting-edge sensors that promise to revolutionize cancer diagnostics and treatment. Topics covered include nanotechnology sensors, optoelectronic devices, CRISPR biosensors, and novel imaging methods designed for cancer applications. The issue also explores the incorporation of AI and machine learning to enhance the accuracy of cancer detection. By integrating insights from bioengineering, oncology, genetics, and data science, we aim to offer a holistic view of the role of biosensor technologies in cancer care. Contributions from researchers and practitioners are welcome to enrich the discourse and advance the field.

This condensed version should capture the essence of your original text while being more concise.



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# Special Issue



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## Message from the Editor-in-Chief

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