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Sommario/riassunto

This is the first book to detail bioanalytical technologies and methods that have been developed using aptamers in analytical, medical, environmental, and food science applications. After an introduction to aptamers, aptamer targets, and their general uses, it discusses different applications with particular attention to the comparison between aptamer-based biosensors and methods versus the corresponding immunosensors. Examples of aptamer-based diagnostic techniques include whole-cell protein profiling (proteomics) and medical diagnostics for the distinction of diseased versus healthy states.

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