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Ultrasensitive determination of microribonucleic acids in cancer cells with nanostructured-disposable electrodes using the viral protein p19 for recognition of ribonucleic acid/microribonucleic acid homoduplexes

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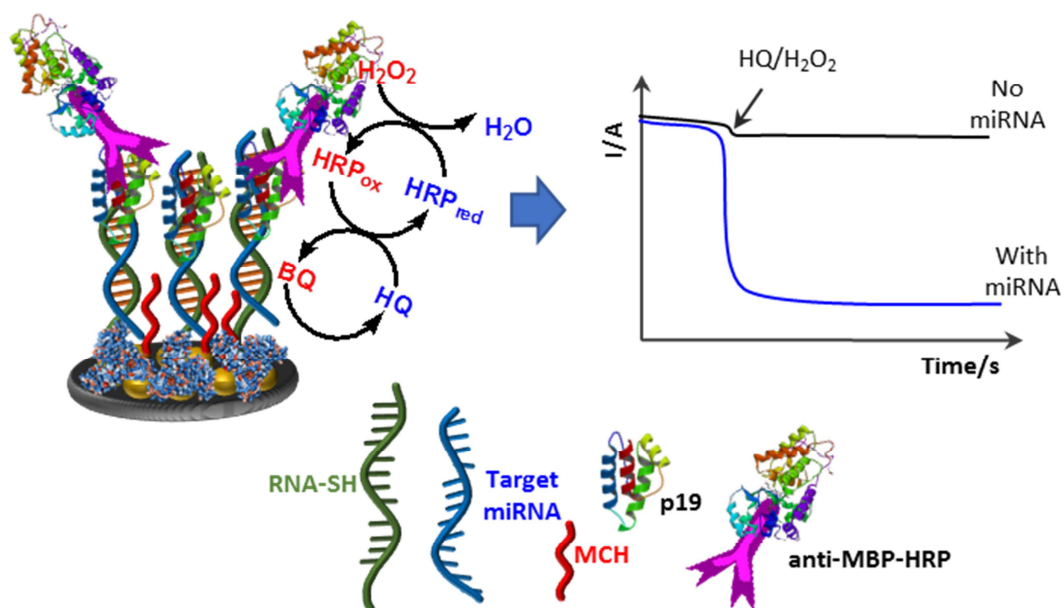
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Graphical Abstract



Disposable biosensors for simple, rapid and sensitive determination of miRNAs in cancer cells based on their direct hybridization and efficient labeling of the RNA/miRNA homoduplexes formed with viral protein p19 and an HRP-labeled antibody at SH-RNA/MCH-AuNP-SPCEs.

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