Smart Nano-Biosensors

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Smart Nano-Biosensors
Higher Sensitivity, Molecule-level Selectivity, Minute Sample Volume, Real-time and Early Detection

Fluorescent DNA on Silicon Chips

Electrical/Optical detection of Disease Genes using Nanoparticles

Cancer Nanotechnology
- Circulating Tumor Cell Isolation
- Nano-textured Substrates for Cell Cytology

Cancer Cells vs. Normal Cells

Nano/Micropores for Cancer Genes and Cancer Cell Identification

Nanowire Arrays for Sensing Interactions of, DNA-DNA Nucleic Acid-Protein, Drug-Receptor, etc.

Electronic Signatures Analysis for Gene/Disease Detection and Sequencing

Active Membranes for Selective Enrichment of Tumor Markers