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5.3.4 Cell Electroporation

Sommario/riassunto

Combining robotics with nanotechnology, this ready reference summarizes the fundamentals and emerging applications in this fascinating research field. This is the first book to introduce tools specifically designed and made for manipulating micro- and nanometer-sized objects, and presents such examples as semiconductor packaging and clinical diagnostics as well as surgery. The first part discusses various topics of on-chip and device-based micro- and nanomanipulation, including the use of acoustic, magnetic, optical or dielectrophoretic fields, while surface-driven and high-speed microfluidic