

Microarrays in diagnostics and biomarker development: current and future applications

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Abstrak

This book provides a comprehensive overview of microarrays in diagnostics and biomarker development, covering DNA, peptide, protein and tissue arrays. The focus is on entities that are in actual clinical use, or quite close, and on recent developments, such as peptide and aptamer arrays. A further topic is the miniaturisation towards “nanoarrays”, which is expected to have great potential in clinical applications. Relevant issues of bioinformatics and statistical analysis of array data are discussed in detail, as well as the barriers to the commercialisation of array-based tests and the vexing IP issues involved.