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	3.1. Types of Microarray Experiments3.1.1. Experiment Type 1: Tissue-Specific Gene Expression; 3.1.2. Experiment Type 2: Developmental Genetics; 3.1.3. Experiment Type 3: Genetic Diseases; 3.1.4. Experiment Type 4: Complex Diseases; 3.1.5. Experiment Type 5: Pharmacological Agents; 3.1.6. Experiment Type 6: Plant Breeding; 3.1.7. Experiment Type 7: Environmental Monitoring; 3.2. A Very Simple Hypothetical Microarray Experiment; 3.3. A Typical Microarray Experiment; 3.3.1. Microarray Preparation; 3.3.2. Sample Preparation; 3.3.3. The Hybridization Step; 3.3.4. Scanning the Microarray

Sommario/riassunto	A cutting-edge guide to the analysis of DNA microarray data Genomics is one of the major scientific revolutions of this century, and the use of microarrays to rapidly analyze numerous DNA samples has enabled scientists to make sense of mountains of genomic data through statistical analysis. Today, microarrays are being used in biomedical research to study such vital areas as a drug's therapeutic value-or toxicity-and cancer-spreading patterns of gene activity. Exploration and Analysis of DNA Microarray and Protein Array Data answers the need for a comprehensive, cutting-edge overview of th