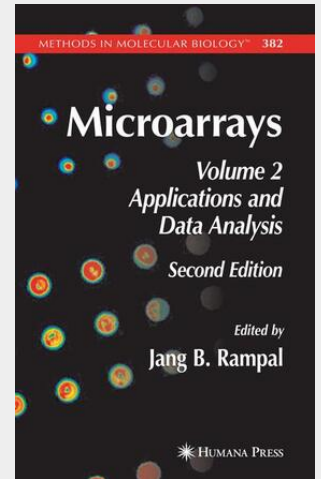


Microarrays

Volume 2, Applications and Data Analysis

Microarray Technology, Volumes 1 and 2, present information in designing and fabricating arrays and binding studies with biological analytes while providing the reader with a broad description of microarray technology tools and their potential applications. The first volume deals with methods and protocols for the preparation of microarrays. The second volume details applications and data analysis, which is important in analyzing the enormous data coming out of microarray experiments. Volume 2: Applications and Data Analysis includes insight into non-mammalian vertebrate systems, processes and protocols for high quality glass-based microarrays. Applications in DNA, peptide, antibody and carbohydrate microarraying, oligonucleotide microarrays generated from hydrolysis PCR probe sequences, microarray platforms in clinical practice, and screening of cDNA libraries on glass slide microarrays. Authors in this volume also discuss paraflo biochip for nucleic acid and protein analysis, volumetric mass spectrometry protein arrays, protocols for predicting DNA duplex stability on oligonucleotide arrays, and integrated analysis of microarray results. Microarray Technology, Volumes 1 and 2, provide ample information to all levels of scientists from novice to those intimately familiar with array technology.

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