
Preface

This volume in the *Methods in Molecular Biology* series focuses on microarray approaches and protocols to characterize the physical genome, with particular emphasis on higher eukaryote (animal) and cancer genomes. In the first years of microarray technology, efforts were directed mainly to profile expressed genes. In recent years, the microarray platform has been adapted to diverse applications directed to investigate the physical genome. This volume covers DNA microarray applications for the detection and characterization of genomic DNA-associated copy number alteration, loss of heterozygosity (LOH), cytosine methylation, protein-binding sites, regulatory elements, and replication timing. This collection will be of value to the molecular biologist or computational biologist interested in understanding the principles of these analyses, or in planning future experiments using microarrays to characterize the physical genome.

Microarray Analysis of the Physical Genome

Methods and Protocols

Pollack, J.R. (Ed.)

2009, X, 224 p. 36 illus., Hardcover

ISBN: 978-1-60327-191-2

A product of Humana Press