Bioarrays
From Basics to Diagnostics
Edited by
Krishnaraao Appasani, PhD, MBA
Bioarrays: From Basics to Diagnostics

Edited by
Krishnarao Appasani, PhD, MBA
Founder and CEO, GeneExpression Systems, Inc., Waltham, MA

Foreword by
Sir Edwin M. Southern, PhD, FRS
Emeritus Professor, Department of Biochemistry, University of Oxford
Founder and Chairman, Oxford Gene Technology, Oxford, United Kingdom

Bioarrays: From Basics to Diagnostics provides an integrated and comprehensive collection of timely articles on the use of bioarray techniques in the fields of biotechnology and molecular medicine. The entire volume is broken into four sections—Bioarray Technology Platforms, Biomarkers and Clinical Genomics, Biomarker Identification Using Clinical Proteomics and Glycomics, and Emerging Technologies in Diagnostics—that create one well-integrated work. Particular emphasis is placed on DNA, protein, and carbohydrate biochips. The volume also looks extensively at oligonucleotides, cDNA, proteins, antibodies, and carbohydrate arrays.

Bioarrays: From Basics to Diagnostics will serve as an indispensable reference for graduate students, postdocs, and professors, as well as an explanatory analysis for executives and scientists in biotechnology and pharmaceutical companies.

Features

• The first book to comprehensively integrate molecular diagnostics and molecular pathology
• A well-integrated and cohesive collection of timely articles detailing molecular diagnostics
• Chapters written by a diverse group of experts, including researchers, physicians, and technicians

Contents

Appasani
Bioarrays: From Basics to Diagnostics