

- **Foreward**
- **Preface**
- **Competitive Oligopriming**
- **Temperature and Denaturing Gradient Gel Electrophoresis**
- **Real-Time Polymerase Chain Reaction**
- **Pyrosequencing**
- **Detection of Genomic Duplications and Deletions**
- **The Application of Proteomics To Disease Diagnostics**
- **Molecular Diagnostics: Past, Present and Future**
- **Molecular Cytogenetics In Molecular Diagnostics**
- **Human Genome Microarray In Biomedical Applications**
- **Allele-Specific Mutation Detection By PCR-ARMS And PCR-ASO**
- **Enzymatic and Chemical Cleavage Methods to Identify Genetic Variation**
- **DNA Microarrays and Genetic Testing**
- **Oligonucleotide Ligation Assays for the Diagnosis of Inherited Diseases**
- **Use of High Throughput Mass Spectrographic Methods To Identify Disease Processes**
- **Mutation Detection by Single Strand Conformation Polymorphism and Heteroduplex Analysis**
- **Analysis of Human Splicing Defects Using Hybrid Minigenes**
- **Capillary Electrophoresis**
- **Two-Dimensional Gene Scanning**
- **Identification of Genetically Modified Organisms**
- **Pharmacogenetics and Pharmacogenomics: Impact on Drug Discovery and Development**
- **Molecular Diagnostic Applications in Forensic Science**
- **Molecular Diagnostics and Comparative Genomics in Clinical Microbiology**
- **Genetic Monitoring of Laboratory Animals**
- **The Use of Locus-Specific Databases in Molecular Diagnostics**
- **Safety Analysis in Retroviral Gene Therapy: Identifying virus integration sites in gene-modified cells**
- **Automated DNA Hybridisation and Detection**
- **The Use of Microelectronic-Based Techniques in Molecular Diagnostic Assays**
- **Miniaturization technologies for molecular diagnostics**
- **Genetic Counseling and Ethics in Molecular Diagnostics**
- **Genetic Testing and Psychology**
- **Safety in Biomedical and Other Laboratories**
- **Index**
- **Preimplantation Genetic Diagnosis**
- **Human Gene Patents and Genetic Testing**
- **Quality Management in the Laboratory**
- **Glossary**