AUTHORED by an international authority in the field, *Cancer Diagnostics with DNA Microarrays* is a complete reference work on the rapidly growing use of DNA microarray data in the diagnosis of and treatment planning for a large number of human cancers.

- **Uniquely deals with direct clinical application of microarray data to oncology diagnosis, leading to more effective diagnosis of and clearer treatment regimens for a wide range of human cancers**
- **Offers clinicians summary presentation of state-of-the-art science of DNA microarrays**
- **Each chapter includes bibliographic and further reading suggestions**
- **Easily accessible, assuming no special training in statistics or bioinformatics**

Replete with examples and mini-cases, *Cancer Diagnostics with DNA Microarrays* offers cancer researchers in private, pharmacologic, and governmental institutions, biomedical statisticians, and practicing oncologists concise, thoughtfully authored guidance on the use of microarray data and analysis as clinical tools. The text carefully addresses the needs of end users – researchers and physicians – using microarrays as a tool to be applied in common clinical situations, and is of interest for students in medicine and biology and professionals in health care as well.
ABOUT THE AUTHOR

STEEN KNUDSEN, PhD, is Director of Research at the Medical Prognosis Institute where he is now taking DNA microarrays into the clinic. Dr. Knudsen is a pioneer in the field of bioinformatics, having published a groundbreaking paper in Nature in 1990. He is also author of the critically acclaimed Guide to the Analysis of DNA Microarray Data (Wiley).

FEATURES

• First book of its kind to deal with direct clinical application of microarray data to oncology diagnosis, leading to more effective diagnosis of and clearer treatment regimens for a wide range of human cancers

• Offers clinicians summary presentation of state-of-the-art science of DNA microarrays, but this can be skipped over to clinical application content

• Addresses the needs of end users — researchers and physicians -- using microarrays as a tool to be applied in common clinical situations

• Accessible without special training in statistics or bioinformatics

• Huge number of examples and mini-case studies throughout, illustrating both the scientific and research content as well as the clinical application of microarray data and analysis

• Clinical application content presented with all appropriate specifics of diagnosis and treatment for a broad range of cancers

• Each chapter includes Bibliographic and Further Reading suggestions

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