

SURROGATE TISSUE ANALYSIS

Genomic, Proteomic, and Metabolomic Approaches

Despite rapidly expanding interest in potential applications of surrogate tissue analysis and intense competition to identify and validate biomarkers in appropriate surrogate tissues, very few peer reviewed publications describing the use of this approach have appeared in the scientific press. One of the first publications on this topic, ***Surrogate Tissue Analysis: Genomic, Proteomic, and Metabolomic Approaches*** describes initial applications and considerations for "omic" technologies in the field of surrogate tissue analysis.

The authors highlight and review important issues to consider when conducting profiling studies in surrogate tissues. They focus on powerful techniques for biomarker identification employing genomic-, proteomic- and metabolomic-based approaches, and examine additional methodologies such as lipidomics and methylation profiling as well. They conclude with coverage of regulatory considerations, economic impact, and pan-omic strategies that will undoubtedly influence surrogate tissue analysis in the future.

The book is both an introduction to the various "omic" technologies in this burgeoning field and a fundamental reference for scientists interested in identifying biomarkers in surrogate tissues.

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A CRC PRESS BOOK

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6000 Broken Sound Parkway, NW
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New York, NY 10016

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ISBN 0-8493-2840-3

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