



# The Handbook of Biomarkers

By Kewal K. Jain

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Of the thousands of biomarkers that are currently being discovered, relatively few are being validated for further applications, and the potential of a biomarker can be quite difficult to evaluate. To aid in this imperative research, Dr. Kewal K. Jain's *Handbook of Biomarkers* thoroughly describes many different types of biomarkers and their discovery using various "-omics" technologies, such as proteomics and metabolomics, along with the background information needed for the evaluation of biomarkers as well as the essential procedures for their validation and use in clinical trials. With biomarkers described first according to technologies and then according to various diseases, this detailed book features the key correlations between diseases and classifications of biomarkers, which provides the reader with a guide to sort out current and future biomarkers.

Comprehensive and cutting-edge, *The Handbook of Biomarkers* serves as a vital guide to furthering our understanding of biomarkers, which, by facilitating the combination of therapeutics with diagnostics, promise to play an important role in the development of personalized medicine, one of the most important emerging trends in healthcare today.

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## The Handbook of Biomarkers By Kewal K. Jain Bibliography

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## **Editorial Review**

Review

From the reviews:

“Whilst reading the handbook, it is clear that it is understood what a biomarker is, the technologies used for assessment and at a glance which potential biomarkers are available for which disease state ... . Jain evaluates biomarker scaling from the cellular level to large size proteins through to nanoparticles for use in the clinic. ... this book is an excellent starting reference point for all of us scientists in many fields who need to know more.” (Steve Crome and Kam Seehra, BTS Newsletter, Issue 37, Winter, 2010)

“This is a comprehensive overview of biomarkers characterized to date, technologies used in their identification, and the relevance of these biomarkers to clinical diagnostics as well as the drug discovery and development process. ... This will be an effective resource for individuals participating in both basic research and clinical applications relating to biomarkers, as well as those involved in drug discovery/development processes. ... This book fulfills the need for a single, comprehensive guide through the discovery, validation, and application of various biomarkers.” (Rachel Renee Chennault, Doody’s Review Service, July, 2010)

From the Back Cover

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