Early characterization of toxicity and efficacy would significantly impact the overall productivity of pharmaceutical R&D and reduce drug candidate attrition and failure. By describing the available platforms and weighing their relative advantages and disadvantages, including microarray data analysis, Genomics in Drug Discovery and Development introduces readers to the biomarker, pharmacogenomic, and toxicogenomics toolbox. The authors provide a valuable resource for pharmaceutical discovery scientists, preclinical drug safety department personnel, regulatory personnel, discovery toxicologists, and safety scientists, drug development professionals, and pharmaceutical scientists.

ABOUT THE AUTHOR

Dimitri Semizarov, PhD, is a Senior Group Leader in the Cancer Research Department of Abbott Laboratories’ Global Pharmaceutical R&D. Dr. Semizarov leads cancer genomics research at Abbott, applying genomics technologies to enable personalization of cancer therapy. He is author or coauthor of more than twenty scientific articles and eight patent applications, as well as three book chapters (including two chapters in Wiley's Preclinical Development Handbook).

Eric Blomme, DVM, PhD, Diplomate, American College of Veterinary Pathologists, is a Senior Project Leader for Cellular, Molecular, and Exploratory Toxicology in Global Pharmaceutical R&D at Abbott Laboratories. He has extensive drug discovery, toxicology, and screening experience working for Abbott, Pharmacia, Monsanto, Searle, Ohio State University, and Cornell.
University. Dr. Blomme has written over fifty journal articles and eight book chapters, and is a reviewer for multiple scientific journals in the fields of toxicology and pathology.

For additional product details, please visit https://www.wiley.com/en-us