

## Book Review

**Drug Delivery: Principles and Applications;** B. Wang, T. Siahaan, and R. A. Soltero, Eds.; xi + 448 pp.; Hardcover ISBN: 0-471-47489-4; John Wiley & Sons, Inc. Hoboken, NJ, 2005.

Drug delivery is an important component of the drug discovery-to-market process. The subject matter is important to the education of today's pharmaceutical and biomedical scientists and is central to the knowledge base of pharmacy practitioners. The editors have assembled an impressive list of authors to cover a broad variety of topics in drug delivery. The 20 chapters in the text provide concise information on content relevant to drug delivery. The chapters range in content from basic information on factors that affect drug delivery such as barriers to oral drug delivery, physiochemical properties and formulation variables, presystemic and first-pass metabolism, to more specific content relating to cell culture models, prodrug approaches, gene therapy and gene delivery, and liposomes as drug delivery vehicles. Important to the reader is the attention paid to the importance of efflux transporters in drug excretion, nonclassical transport, and receptor-mediated drug delivery.

The editors have described the text well in the Preface and a repeat of that information will serve the potential reader well:

"The book starts with chapters that cover general drug delivery issues such as physiochemical and biological barriers, various pathways for drug delivery, formulation, pharmacokinetic and pharmacodynamic issues, metabolism, and cell culture models used in studying drug delivery. Then it moves on to cover specific drug delivery strategies. At the end, we have added one chapter on intellectual property so as to give readers a general idea of how to protect their intellectual property when doing drug delivery research."

Throughout each chapter there are multiple examples with extensive references.

This text will be a valuable addition to the bookshelf of any pharmaceutical scientist working in the drug discovery arena. In academia it will find use in pharmaceutical and biomedical sciences graduate courses that focus on drug delivery principles. The content will be of particular use in supplementing pharmaceutical sciences content for Doctor of Pharmacy students. The editors and authors have done a remarkable job of providing a readable, integrated text that covers the area of drug delivery.

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