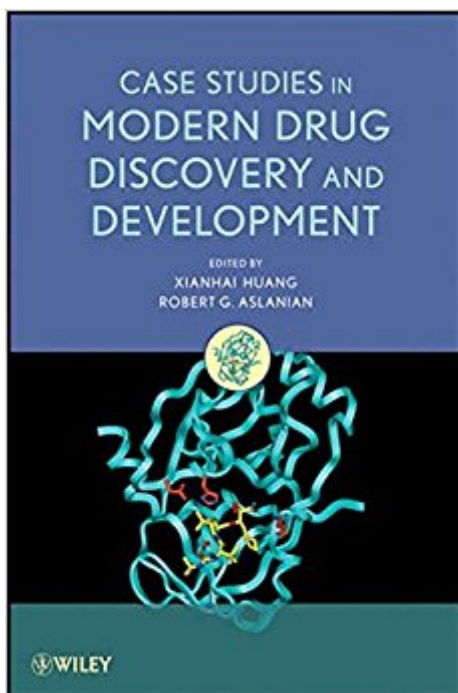




**Ebook Directory**  
the best source of ebook

The book was found

# Case Studies In Modern Drug Discovery And Development



## Synopsis

Learn why some drug discovery and development efforts succeed . . . and others fail Written by international experts in drug discovery and development, this book sets forth carefully researched and analyzed case studies of both successful and failed drug discovery and development efforts, enabling medicinal chemists and pharmaceutical scientists to learn from actual examples. Each case study focuses on a particular drug and therapeutic target, guiding readers through the drug discovery and development process, including drug design rationale, structure-activity relationships, pharmacology, drug metabolism, biology, and clinical studies. *Case Studies in Modern Drug Discovery and Development* begins with an introductory chapter that puts into perspective the underlying issues facing the pharmaceutical industry and provides insight into future research opportunities. Next, there are fourteen detailed case studies, examining: All phases of drug discovery and development from initial idea to commercialization Some of today's most important and life-saving medications Drugs designed for different therapeutic areas such as cardiovascular disease, infection, inflammation, cancer, metabolic syndrome, and allergies Examples of prodrugs and inhaled drugs Reasons why certain drugs failed to advance to market despite major research investments Each chapter ends with a list of references leading to the primary literature. There are also plenty of tables and illustrations to help readers fully understand key concepts, processes, and technologies. Improving the success rate of the drug discovery and development process is paramount to the pharmaceutical industry. With this book as their guide, readers can learn from both successful and unsuccessful efforts in order to apply tested and proven science and technologies that increase the probability of success for new drug discovery and development projects.

## Book Information

Hardcover: 472 pages

Publisher: Wiley; 1 edition (May 29, 2012)

Language: English

ISBN-10: 0470601817

ISBN-13: 978-0470601815

Product Dimensions: 7.4 x 1.2 x 10.4 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #2,591,890 in Books (See Top 100 in Books) #50 in *Books > Medical*

Books > Pharmacology > Product Development #1589 in [Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Pharmacy](#) #1982 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Pharmacology](#)

## Customer Reviews

“This book will enrich the collection of medicinal chemists or pharmacologists involved in active drug discovery research, as well as students with a passion for pursuing a career in drug discovery.” (Doody's, 22 February 2013) "A well-made glossary is available in the appendix, which defines the dozens of terms that a medicinal chemist will encounter in his/her career. . . This book demonstrates yet again the need for new, better medicines and the reasons for the high cost of drug research. An enjoyable read!" (ChemMedChem, 1 January 2013)

Xianhai Huang, PhD, is a Principal Scientist at Merck Research Laboratories. Dr. Huang is the inventor or co-inventor on more than forty patents and patent applications. As a mentor in the Schering-Plough chemistry postdoctoral program, Dr. Huang and his group discovered novel synthetic applications of (diacetoxyiodo) benzene and successfully applied the methodology to the total synthesis of psymberin, an antitumor natural product. Robert G. Aslanian, PhD, is an adjunct professor of chemistry at William Paterson University and was formerly a Senior Director of Medicinal Chemistry with the Schering-Plough Research Institute and Merck Research Laboratories. Dr. Aslanian has over twenty-five years of experience in the pharmaceutical industry. He is co-inventor on thirty-eight U.S. patents and coauthor on sixty-seven scientific articles and reviews.

I love the examples the authors have chosen - especially the one on artemisinin. I just hope that there will be soon a Volume 2!!!

[Download to continue reading...](#)

Handbook of Assay Development in Drug Discovery (Drug Discovery Series) Case Studies in Modern Drug Discovery and Development Discovery Map 85: Cork Kerry (Discovery Maps): Cork Kerry (Discovery Maps) (Irish Discovery Series) Drug Delivery: Principles and Applications (Wiley Series in Drug Discovery and Development) Mass Spectrometry for Drug Discovery and Drug Development New Drug Development: A Regulatory Overview (New Drug Development ( Mathieu)) Regionalism and Uneven Development in Southern Africa: The Case of the Maputo Development

Corridor (Making of Modern Africa) Drug Addicts- Prescription Pill Drug Abuse: How to Deal With an Addict Adult, Friend, Family Member, Teen or Teenager Who is Addicted to Medications (Prescription Pill Drug Abuse Help) COX-2 Blockade in Cancer Prevention and Therapy (Cancer Drug Discovery and Development) ADME and Translational Pharmacokinetics / Pharmacodynamics of Therapeutic Proteins: Applications in Drug Discovery and Development Case Studies In Nursing Ethics (Fry, Case Studies in Nursing Ethics) Case Studies in Immunology: A Clinical Companion (Geha, Case Studies in Immunology: A Clinical Companion) H. J. Bruyere's 100 Case Studies (100 Case Studies in Pathophysiology [Paperback])(2008) Case Studies in Cardiovascular Critical Care Nursing (Aspen Series of Case Studies in Critical Care Nursing) Pharmaceutical Process Development: Current Chemical and Engineering Challenges (Drug Discovery) EGFR Signaling Networks in Cancer Therapy (Cancer Drug Discovery and Development) Cell Cycle Inhibitors in Cancer Therapy: Current Strategies (Cancer Drug Discovery and Development) Basic Principles of Drug Discovery and Development Cancer Chemoprevention: Volume 1: Promising Cancer Chemopreventive Agents (Cancer Drug Discovery and Development) (v. 1) Tumor Targeting in Cancer Therapy (Cancer Drug Discovery and Development)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)