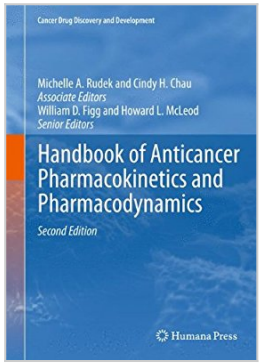

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development)

From Humana Press

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press

There are many steps on the road from discovery of an anticancer drug to securing its final approval by the Food and Drug Administration. In this thoroughly updated and expanded second edition of the *Handbook of Anticancer Pharmacokinetics and Pharmacodynamics*, leading investigators synthesize an invaluable overview of the experimental and clinical processes of anticancer drug development, creating a single indispensable reference that covers all the steps from the identification of cancer-specific molecular targets to screening techniques and the development and validation of bioanalytical methods to clinical trial design and all phases of clinical trials. The authors have included new material on phase 0 trials in oncology, organ dysfunction trials, drug formulations and their impact on anticancer drug PK/PD including strategies to improve drug delivery, pharmacogenomics and cancer therapy, high throughput platforms in drug metabolism and transport pharmacogenetics, imaging in drug development and nanotechnology in cancer.

Authoritative and up-to-date, *Handbook of Anticancer Pharmacokinetics and Pharmacodynamics, 2nd Edition* provides in one comprehensive and highly practical volume a detailed step-by-step guide to the successful design and approval of anticancer drugs.

- Road map to anticancer drug development from discovery to NDA submission
- Discussion of molecular targets and preclinical screening
- Development and validation of bioanalytical methods
- Chapters on clinical trial design and phase 0, I, II, III clinical trials
- Pharmacokinetics, pharmacodynamics, pharmacogenomics, and pharmacogenetics of anticancer agents
- Review of the drug development process from both laboratory and clinical perspectives
- New technological advances in imaging, high throughput platforms, and nanotechnology in anticancer drug development

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development)

From Humana Press

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press

There are many steps on the road from discovery of an anticancer drug to securing its final approval by the Food and Drug Administration. In this thoroughly updated and expanded second edition of the *Handbook of Anticancer Pharmacokinetics and Pharmacodynamics*, leading investigators synthesize an invaluable overview of the experimental and clinical processes of anticancer drug development, creating a single indispensable reference that covers all the steps from the identification of cancer-specific molecular targets to screening techniques and the development and validation of bioanalytical methods to clinical trial design and all phases of clinical trials. The authors have included new material on phase 0 trials in oncology, organ dysfunction trials, drug formulations and their impact on anticancer drug PK/PD including strategies to improve drug delivery, pharmacogenomics and cancer therapy, high throughput platforms in drug metabolism and transport pharmacogenetics, imaging in drug development and nanotechnology in cancer.

Authoritative and up-to-date, *Handbook of Anticancer Pharmacokinetics and Pharmacodynamics, 2nd Edition* provides in one comprehensive and highly practical volume a detailed step-by-step guide to the successful design and approval of anticancer drugs.

- Road map to anticancer drug development from discovery to NDA submission
- Discussion of molecular targets and preclinical screening
- Development and validation of bioanalytical methods
- Chapters on clinical trial design and phase 0, I, II, III clinical trials
- Pharmacokinetics, pharmacodynamics, pharmacogenomics, and pharmacogenetics of anticancer agents
- Review of the drug development process from both laboratory and clinical perspectives
- New technological advances in imaging, high throughput platforms, and nanotechnology in anticancer drug development

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press Bibliography

- Sales Rank: #3550554 in Books
- Published on: 2014-01-11
- Original language: English
- Number of items: 1
- Dimensions: 10.10" h x 2.00" w x 7.10" l, 4.80 pounds
- Binding: Hardcover
- 836 pages

Editorial Review

Review
"...an invaluable overview of the experimental and clinical processes that lead to anticancer drugs, creating a single indispensable reference that covers all the steps from the identification of cancer-specific targets to phase III clinical trials." - Tumori

From the Back Cover

There are many steps on the road from discovery of an anticancer drug to securing its final approval by the Food and Drug Administration. In this thoroughly updated and expanded second edition of the *Handbook of Anticancer Pharmacokinetics and Pharmacodynamics*, leading investigators synthesize an invaluable overview of the experimental and clinical processes of anticancer drug development, creating a single indispensable reference that covers all the steps from the identification of cancer-specific molecular targets to screening techniques and the development and validation of bioanalytical methods to clinical trial design and all phases of clinical trials. The authors have included new material on phase 0 trials in oncology, organ dysfunction trials, drug formulations and their impact on anticancer drug PK/PD including strategies to improve drug delivery, pharmacogenomics and cancer therapy, high throughput platforms in drug metabolism and transport pharmacogenetics, imaging in drug development and nanotechnology in cancer.

Authoritative and up-to-date, *Handbook of Anticancer Pharmacokinetics and Pharmacodynamics, 2nd Edition* provides in one comprehensive and highly practical volume a detailed step-by-step guide to the successful design and approval of anticancer drugs.

- Road map to anticancer drug development from discovery to NDA submission
- Discussion of molecular targets and preclinical screening
- Development and validation of bioanalytical methods
- Chapters on clinical trial design and phase 0, I, II, III clinical trials
- Pharmacokinetics, pharmacodynamics, pharmacogenomics, and pharmacogenetics of anticancer agents
- Review of the drug development process from both laboratory and clinical perspectives
- New technological advances in imaging, high throughput platforms, and nanotechnology in anticancer drug development

About the Author

Dr. Michelle Rudek received her BS in Pharmacy from the University of Pittsburgh and her dual Pharm.D., Ph.D. from Virginia Commonwealth University in a joint clinical pharmacology/oncology program with the National Cancer Institute. Dr. Rudek joined Johns Hopkins University in 2001 and is currently an Associate Professor of Oncology and Director of the Analytical Pharmacology Core Laboratory. Her research program is focused on clinical pharmacology with a focus on early phase drug development and special populations including AIDS malignancy and organ dysfunction.

Dr. Cindy H. Chau received her BS in Molecular, Cell, and Developmental Biology from UCLA and her Pharm.D. and Ph.D. (in Molecular Pharmacology and Toxicology) dual degrees from the University of Southern California School of Pharmacy as a National Institutes of Health (NIH) predoctoral fellow. She was the recipient of the NIH National Research Service Award. Dr. Chau completed a postdoctoral

fellowship at the NIH, joining the National Cancer Institute in 2004 and is currently a research scientist within the Medical Oncology Branch, Center for Cancer Research.

Dr. William Douglas Figg received his B.S. (Hon) from Georgetown College, his B.S. in Pharmacy from Samford University and his Pharm.D. from Auburn University. He completed his clinical pharmacy internship at the University of Alabama at Birmingham Hospital and his fellowship in drug development at the University of North Carolina-Chapel Hill. Dr. Figg also received an M.B.A. degree from a combined program at Columbia University and London Business School. He joined the Medical Oncology Branch, National Cancer Institute, National Institutes of Health in 1992. He has patented more than 80 new anticancer agents and four pharmacogenetic tests.

Dr. Howard McLeod is Fred Eshelman Distinguished Professor and Director, UNC Institute for Pharmacogenomics and Individualized Therapy, University of North Carolina, Chapel Hill. Dr. McLeod holds appointments in the UNC Schools of Pharmacy and Medicine, the Carolina Center for Genome Sciences, and the Lineberger Comprehensive Cancer Center. Dr McLeod is chair of the NHGRI eMERGE network external scientific panel and is a member of the FDA committee on Clinical Pharmacology. He is a member of the NIH NHGRI Advisory Council. Since 2002, Dr. McLeod has been vice chair for Pharmacogenomics for the NCI clinical trials cooperative group CALGB/ALLIANCE, overseeing the largest oncology pharmacogenomics portfolio in the world.

Users Review

From reader reviews:

Brenda Lee:

The book Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) make one feel enjoy for your spare time. You can utilize to make your capable a lot more increase. Book can to become your best friend when you getting pressure or having big problem with the subject. If you can make reading through a book Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) being your habit, you can get far more advantages, like add your own personal capable, increase your knowledge about a number of or all subjects. You can know everything if you like wide open and read a reserve Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development). Kinds of book are a lot of. It means that, science publication or encyclopedia or others. So , how do you think about this guide?

Contessa Watkins:

Reading a reserve can be one of a lot of action that everyone in the world enjoys. Do you like reading book therefore. There are a lot of reasons why people enjoyed. First reading a publication will give you a lot of new info. When you read a reserve you will get new information due to the fact book is one of numerous ways to share the information or even their idea. Second, reading through a book will make a person more imaginative. When you examining a book especially fictional book the author will bring that you imagine the story how the figures do it anything. Third, you are able to share your knowledge to other folks. When you read this Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development), you can tells your family, friends along with soon about yours reserve. Your knowledge can inspire different ones, make them reading a guide.

Mark Miller:

Why? Because this Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) is an unordinary book that the inside of the book waiting for you to snap the item but latter it will surprise you with the secret the idea inside. Reading this book next to it was fantastic author who all write the book in such amazing way makes the content within easier to understand, entertaining technique but still convey the meaning totally. So , it is good for you for not hesitating having this any longer or you going to regret it. This amazing book will give you a lot of positive aspects than the other book have such as help improving your skill and your critical thinking approach. So , still want to hold off having that book? If I ended up you I will go to the book store hurriedly.

Heather Delph:

Do you like reading a e-book? Confuse to looking for your preferred book? Or your book ended up being rare? Why so many concern for the book? But virtually any people feel that they enjoy regarding reading. Some people likes reading through, not only science book but additionally novel and Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) or others sources were given information for you. After you know how the truly amazing a book, you feel would like to read more and more. Science publication was created for teacher as well as students especially. Those guides are helping them to bring their knowledge. In additional case, beside science e-book, any other book likes Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) to make your spare time more colorful. Many types of book like here.

Read Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press for online ebook

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press books to read online.

Online Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press ebook PDF download

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press Doc

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press Mobipocket

Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press EPub

AT15UQJ4VGR: Handbook of Anticancer Pharmacokinetics and Pharmacodynamics (Cancer Drug Discovery and Development) From Humana Press