

A Practical Guide To Drug Development In Academia The Spark Approach Springerbriefs In Pharmaceutical Science Drug Development

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Written by the founders of the SPARK program at Stanford University, this book is a practical guide designed for professors, students and clinicians at academic research institutions who are interested in learning more about the drug development process and how to help their discoveries become the novel drugs of the future.

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A Practical Guide to Drug Development in Academia: The ...

Buy A Practical Guide to Rational Drug Design by Sun Hongmao (ISBN: 9780081000984) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

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How to regulate stimulants: A practical guide. The 'war on drugs' has been a global disaster leading to violence, exploitation and record numbers of drug-related deaths. We all recognise the need to do things differently. In this book we show why the responsible regulation of stimulant drugs is the only realistic alternative, and set out the practical steps to getting the market under control.

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Written by the founders of the SPARK program at Stanford University, this book is a practical guide designed for professors, students and clinicians at academic research institutions who are interested in learning more about the drug development process and how to help their discoveries become the novel drugs of the future.

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A Practical Guide to Rational Drug Design focuses on computational drug design, with only basic coverage of biology and chemistry issues, such as assay design, target validation and synthetic routes. Show less. This book is not going to be an exhaustive survey covering all aspects of rational drug design.

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Making the case: A practical guide to promoting drug and alcohol treatment and recovery services locally A resource from DrugScope on behalf of the Recovery Partnership

Making the case: A practical guide to promoting drug and ...

A practical guide to thiopurine treatment Prior to commencing thiopurines, patients should be screened to help prevent opportunistic infections as per European guidelines (see table 1). In addition, the pneumococcal vaccination is given before starting treatment and the influenza vaccine annually. 25 Patients are advised that while on treatment they should not have ' live ' vaccines.

A practical guide to thiopurine prescribing and monitoring ...

Drugs can be dosed by multiple routes of administration and their inherent physicochemical and pharmacokinetic properties can affect their distribution within the body. Often the simplified initial assumption is made that the compound concentration at a target is equivalent to the free plasma concentration (Section 3.1). However, this may not always be the case and one needs to consider the localization of target expression and the distribution of the compound within those tissue(s) in which ...

A practical guide to secondary pharmacology in drug ...

Transform is a leading global think tank on drug policy reform, and has advised governments across the world on how to regulate cannabis effectively. Now, it has released a groundbreaking analysis of how to regulate stimulants. ' How to regulate stimulants: A practical guide ' sets out in detail the concrete measure that will produce sensible, effective regulation, which can end the ' war on drugs ' while ensuring public health, human rights and social justice are protected.

How to regulate stimulants: A practical guide - Store ...

The Social Work Guide gives clear advice on how to work with clients when substance misuse is an issue, by exploring current policy, looking at situations that social workers may encounter, and using case studies and good practice tips to provide solutions.

Social Work. Drugs & Alcohol - A Practical Guide

A Practical Guide to Diagnosis and Management. Reviews the biochemical and physiological abnormalities in each of the body's organ systems, enabling investigators to decide if the problem is of drug-induced origin.

Adverse Drug Reactions: A Practical Guide to Diagnosis and ...

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A Practical Guide to HIV Drug Side Effects. 1. This Guide Is One Tool to Healthy Living. 2. Dealing with Side Effects. 3. Body Weight and Body Shape Changes. 4. Diarrhea, Gas and Bloating.

A Practical Guide to HIV Drug Side Effects | CATIE ...

12 - Computer-aided drug design: a practical guide to protein-structure-based modeling from PART III - APPLICATIONS TO DRUG DISCOVERY By Charles H. Reynolds Edited by Kenneth M. Merz, Jr, University of Florida, Dagmar Ringe, Brandeis University, Massachusetts, Charles H. Reynolds

Computer-aided drug design: a practical guide to protein ...

Urine drug monitoring (UDM) is an important tool to screen adherence and identify possible misuse and abuse in patients on opioid therapy. 1 Various guidelines for opioid therapy emphasize the importance of UDM as a standard of care. 2-6 Routine and random monitoring is recommended for all patients on long-term opioid therapy prior to initiation and throughout duration of therapy. 1-3 The recommended UDM frequency varies based on individual risk assessment and clinical judgment.

"A lot of hard-won knowledge is laid out here in a brief but informative way. Every topic is well referenced, with citations from both the primary literature and relevant resources from the internet." Review from Nature Chemical Biology Written by the founders of the SPARK program at Stanford University, this book is a practical guide designed for professors, students and clinicians at academic research institutions who are interested in learning more about the drug development process and how to help their discoveries become the novel drugs of the future. Often many potentially transformative basic science discoveries are not pursued because they are deemed 'too early' to attract industry interest. There are simple, relatively cost-effective things that academic researchers can do to advance their findings to the point that they can be tested in the clinic or attract more industry interest. Each chapter broadly discusses an important topic in drug development, from preclinical work in assay design through clinical trial design, regulatory issues and marketing assessments. After the practical overview provided here, the reader is encouraged to consult more detailed texts on specific topics of interest. "I would actually welcome it if this book's intended audience were broadened even more. Younger scientists starting out in the drug industry would benefit from reading it and getting some early exposure to parts of the process that they'll eventually have to understand. Journalists covering the industry (especially the small startup companies) will find this book a good reality check for many an over-hopeful press release. Even advanced investors who might want to know what really happens in the labs will find information here that might otherwise be difficult to track down in such a concentrated form."

It is important that medicines are administered correctly, in order to provide correct drug doses, yet not all healthcare professionals are expert in the area. This accessible book provides a definitive guide to best practice in administering medicinal

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formulations. Acting as a quick reference handbook for administration techniques in both the simulated and real practice environment, the book enables readers to advise patients on the correct use of their formulation. It covers the following formulation types: oral topical ocular aural nasal inhaled transdermal patches vaginal rectal. A Practical Guide to Medicines Administration is a key resource for both student and practising pharmacists who counsel and advise patients on the use of their medicines. It will also be a useful reference for nurses, nursing associates, assistant practitioners and healthcare assistants.

This book is not going to be an exhaustive survey covering all aspects of rational drug design. Instead, it is going to provide critical know-how through real-world examples. Relevant case studies will be presented and analyzed to illustrate the following: how to optimize a lead compound whether one has high or low levels of structural information; how to derive hits from competitors' active compounds or from natural ligands of the targets; how to springboard from competitors' SAR knowledge in lead optimization; how to design a ligand to interfere with protein-protein interactions by correctly examining the PPI interface; how to circumvent IP blockage using data mining; how to construct and fully utilize a knowledge-based molecular descriptor system; how to build a reliable QSAR model by focusing on data quality and proper selection of molecular descriptors and statistical approaches. A Practical Guide to Rational Drug Design focuses on computational drug design, with only basic coverage of biology and chemistry issues, such as assay design, target validation and synthetic routes. Discusses various tactics applicable to daily drug design Readers can download the materials used in the book, including structures, scripts, raw data, protocols, and codes, making this book suitable resource for short courses or workshops Offers a unique viewpoint on drug discovery research due to the author's cross-discipline education background Explores the author's rich experiences in both pharmaceutical and academic settings

If you prescribe for patients with arrhythmias, you will want to keep this valuable paperback close at hand. The Second Edition of this valuable reference responds to changes in the available medications as well as in the way they are currently used. The book reviews everything you need to understand and prescribe today's antiarrhythmic drugs: mechanisms of cardiac arrhythmias and how antiarrhythmic drugs alter those arrhythmias, including common adverse effects which factors to consider in using these drugs for treatment of supraventricular tachyarrhythmias, ventricular arrhythmias, and arrhythmias in pregnancy a detailed review of atrial fibrillation to help you make decisions for patient management in this complicated area Dr. Fogoros considers all the most recent drugs, plus promising drugs under investigation, to give you a full picture of therapeutic options. With Antiarrhythmic Drugs: A Practical Guide, Second Edition, you will have dependable information on how each drug works and when each one is indicated so you can give your patients the best possible treatment.

Get a quick, expert overview of the many key facets of obesity management with this concise, practical resource by Dr. Jolanta

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Weaver. Ideal for any health care professional who cares for patients with a weight problem. This easy-to-read reference addresses a wide range of topics – including advice on how to "unpack" the behavioral causes of obesity in order to facilitate change, manage effective communication with patients suffering with weight problems and future directions in obesity medicine. Features a wealth of information on obesity, including hormones and weight problems, co-morbidities in obesity, genetics and the onset of obesity, behavioral aspects and psychosocial approaches to obesity management, energy and metabolism management, and more. Discusses pharmacotherapies and surgical approaches to obesity. Consolidates today ' s available information and guidance in this timely area into one convenient resource.

The Drug Expert: A Practical Guide to the Impact of Drug Use in Legal Proceedings targets academic and industry pharmacologists, pharmacology graduate students, and professionals and students of affiliated disciplines, such as pharmacy and toxicology. Users will find it to be an invaluable reference for those involved in the field. In addition, pharmacists and others who increasingly serve as expert witnesses and toxicologists will find an array of very useful information. Focuses on important topics for the consulting pharmacologist, including prescription, over-the-counter and illegal drugs and their effects on criminal and civil proceedings Details the " how-to aspects of being an expert witness in pharmacology by presenting real-life cases and effective tips and experiences Includes several appendices, such as a sample letter of engagement and fee schedule, a litigation report, a consulting invoice and valuable resources

FDLI's popular reference book, A Practical Guide to FDA's Food and Drug Law and Regulation, Seventh Edition, provides an introduction to the laws and regulations governing development, marketing, and sale of FDA-regulated products, including topics on food, drugs, medical devices, biologics, dietary supplements, cosmetics, new animal drugs, cannabis, and tobacco and nicotine products. Structured to serve as a reference and as a teaching tool, the book offers practical legal and regulatory fundamentals, and each chapter builds sequentially from the last to provide an accessible overview of the key topics relevant to practitioners of food and drug law and regulation. This book is a standard legal text in law schools and graduate regulatory programs and has been cited as a reference in judicial opinions (including the U.S. Supreme Court). This Seventh Edition includes new sections on controlled substances, compounded drugs, and cannabis and cannabis-derived compounds. It also incorporates the latest amendments to the Federal Food, Drug, and Cosmetic Act, as well as FDA regulations and guidances.

This book addresses the problem of illicit drugs and their far-reaching and serious consequences that permeate all levels of American society. Following an examination of the history of drugs and alcohol in the United States, which concludes with perspectives on what can be done to reduce the demand for illicit drugs, the text provides a review of illicit drug identification. This includes all levels of narcotics, stimulants, depressants, hallucinogens, steroids, and cannabis as well as their description, effects, appearance, methods of ingestion, principle users, sources, and street names. Additional major topics include drug enforcement techniques, such as knock-and-talk investigations; the intelligence process; managing informants; plainclothes, undercover, and uniformed drug investigations; conspiracy investigations; investigation of clandestine drug laboratories; asset

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forfeiture; sources of investigation; search warrants and raid planning; report writing and courtroom testimony; and physical surveillance and surveillance photography. This book will be a valuable resource to any law enforcement professional involved in undercover, plainclothes, or uniformed investigation and whether in a small or large police department.

Pharmaceutical Preformulation and Formulation: A Practical Guide from Candidate Drug Selection to Commercial Dosage Form reflects the mounting pressure on pharmaceutical companies to accelerate the new drug development and launch process, as well as the shift from developing small molecules to the growth of biopharmaceuticals. The book meets the need for advanced information for drug preformulation and formulation and addresses the current trends in the continually evolving pharmaceutical industry. Topics include: Candidate drug selection Drug discovery and development Preformulation predictions and drug selections Product design to commercial dosage form Biopharmaceutical support in formulation Development The book is ideal for practitioners working in the pharmaceutical arena—including R&D scientists, technicians, and managers—as well as for undergraduate and postgraduate courses in industrial pharmacy and pharmaceutical technology.

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