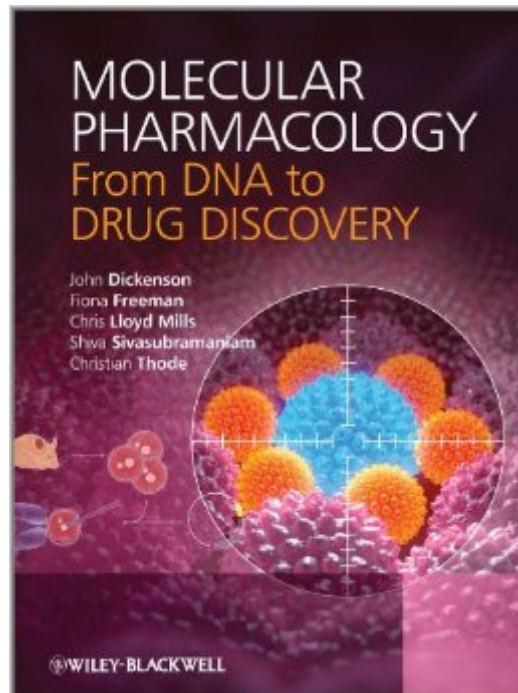


The book was found

# Molecular Pharmacology: From DNA To Drug Discovery



## Synopsis

This textbook provides a fresh, comprehensive and accessible introduction to the rapidly expanding field of molecular pharmacology. Adopting a drug target-based, rather than the traditional organ/system based, approach this innovative guide reflects the current advances and research trend towards molecular based drug design, derived from a detailed understanding of chemical responses in the body. Drugs are then tailored to fit a treatment profile, rather than the traditional method of 'trial and error' drug discovery which focuses on testing chemicals on animals or cell cultures and matching their effects to treatments. Providing an invaluable resource for advanced under-graduate and MSc/PhD students, new researchers to the field and practitioners for continuing professional development, Molecular Pharmacology explores; recent advances and developments in the four major human drug target families (G-protein coupled receptors, ion channels, nuclear receptors and transporters), cloning of drug targets, transgenic animal technology, gene therapy, pharmacogenomics and looks at the role of calcium in the cell. Current - focuses on cutting edge techniques and approaches, including new methods to quantify biological activities in different systems and ways to interpret and understand pharmacological data. Cutting Edge - highlights advances in pharmacogenomics and explores how an individual's genetic makeup influences their response to therapeutic drugs and the potential for harmful side effects. Applied - includes numerous, real-world examples and a detailed case-study based chapter which looks at current and possible future treatment strategies for cystic fibrosis. This case study considers the relative merits of both drug therapy for specific classes of mutation and gene therapy to correct the underlying defect. Accessible - contains a comprehensive glossary, suggestions for further reading at the end of each chapter and an associated website that provides a complete set of figures from within the book. A companion website with additional resources is available at [www.wiley.com/go/dickenson/dnamolecular](http://www.wiley.com/go/dickenson/dnamolecular)

## Book Information

File Size: 11183 KB

Print Length: 424 pages

Publisher: Wiley; 1 edition (November 30, 2012)

Publication Date: November 30, 2012

Sold by: Digital Services LLC

Language: English

ASIN: B00B9SYP3U

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,672,072 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #16

in Books > Medical Books > Pharmacology > Molecular #540 in Kindle Store > Kindle eBooks >

Medical eBooks > Pharmacology > Pharmacy #799 in Books > Computers & Technology >

Computer Science > Bioinformatics

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

Molecular Pharmacology: From DNA to Drug Discovery G Protein-Coupled Receptors in Drug Discovery (Drug Discovery Series) Quantitative Molecular Pharmacology and Informatics in Drug Discovery Guide to DNA Testing: How to Identify Ancestors, Confirm Relationships, and Measure Ethnic Ancestry through DNA Testing Drug-DNA Interaction Protocols (Methods in Molecular Biology) The Double Helix: A Personal Account of the Discovery of the Structure of DNA (Norton Critical Editions) The Double Helix: A Personal Account of the Discovery of the Structure of DNA Brody's Human Pharmacology: Molecular to Clinical With STUDENT CONSULT Online Access, 4e (Human Pharmacology (Brody)) A guide to molecular pharmacology-toxicology, (Modern pharmacology, v. 1) Beta-Adrenoceptors: Molecular Biology, Biochemistry and Pharmacology (Progress in Basic and Clinical Pharmacology, Vol. 7) (v. 7) Molecular Targeting in Oncology (Cancer Drug Discovery and Development) Molecular Cancer Therapeutics: Strategies for Drug Discovery and Development Multinational Drug Companies: Issues in Drug Discovery and Development Essentials of Molecular Pharmacology: Background for Drug Design Fundamental Concepts in Drug-Receptor Interactions: Proceedings of the Third Buffalo-Milan Symposium on Molecular Pharmacology held at the School of Pharmacy, State University of New York at Buffalo, August 1968. Foundations of Molecular Pharmacology: Volume 2 The Chemical Basis of Drug Action Cyclic Nucleotide Phosphodiesterases: Structure, Regulation and Drug Action (Wiley Series in Molecular Pharmacology of Cell Regulation) 140 Must Know Meds: Demolish Pharmacology for Nursing Drug Guide (NCLEX® Drug Reference for Nurses) Lunar Discovery: Let the Space Race Begin (Discovery Series Book 1) Acadia National Park Discovery Map: Hiking, Biking, And Paddling (Appalachian Mountain Club: Acadia National Park Discovery Map)

[Dmca](#)