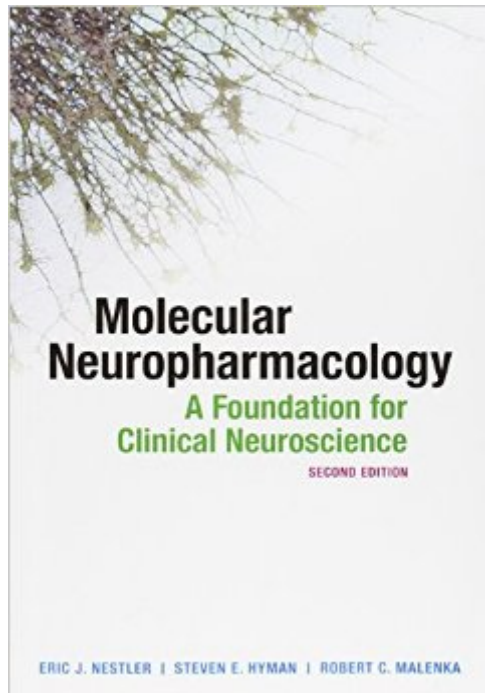


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Molecular Neuropharmacology: A Foundation For Clinical Neuroscience, Second Edition



Synopsis

Turn to the classic primer of Molecular Neuroscience for a complete understanding of nervous system function and its relationship to human neurologic disorders A Doody's Core Title for 2011! 4 STAR DOODY'S REVIEW! "This is an outstanding new introductory textbook on neuropharmacology and its implications for cognitive neuroscience. Anyone who wants to keep abreast of this rapidly emerging science needs to learn the fundamentals which this book would help facilitate. I highly recommend it."--Doody's Review Service Molecular Neuropharmacology offers a clear, thorough explanation of the molecular functioning of the nervous system in normal and disease states. More than three hundred concept-clarifying full-color illustrations along with didactic text boxes provide an in-depth understanding of nerve cell receptors, their effectors and second messenger targets, and the molecular genetics that are often impacted by these systems. You will also learn how malfunction of these molecular systems relates to human disease and the corresponding medical treatment. Molecular Neuropharmacology is the most relevant, well-written resource available to help you make the connection between neuropharmacology and clinical neuroscience. Numerous figures and didactic boxes help you understand and remember complex subject matter for efficient, on-the-spot review. The book's all-inclusive, high-yield coverage includes: The fundamentals of neuropharmacology Neural substrates of drug action The neuropharmacology of specific functions and disorders--encompassing control of movement, mood and emotion, memory and dementia, and other vital areas NEW! A streamlined redesign that makes the book even more practical and accessible than ever NEW! More illustrations--all 300 now in full color!

Book Information

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Customer Reviews

Brief Review This review functions to evaluate the book "Molecular Neuropharmacology: A Foundation for Clinical Neuroscience" in the context of providing a meticulous background of the pathophysiology of neurological disorders. The book thoroughly completes this task by first reviewing neuropharmacological fundamentals of a functioning nervous system, in terms of both biochemical and organism-level homeostasis. The book then proceeds to review the major mechanisms that explain how a nervous system augments its behavior from a biochemical level, by reviewing the effects of drug action. This second segment reviews the natural neurotransmitters which elicit a response, including amino acids, monoamines, neurohormones, and atypical neurotransmitters in a natural setting within the body. The final segment of the book, its main point, is the neuropharmacology of many neural disorders or behaviors. This section uses the main neuropathological concepts presented in the first two parts of the book to explain how slight irregularities in the biochemistry of neuron interactions can lead to a wide array of clinical manifestations. This section of the book is dense, thorough, and well written. This textbook is a great reference for any student wishing to bridge the biology of neurological disorders with the clinical symptomatic outcomes in order to truly understand the pathology of neurological disease.

Structure, Style and Figures in the Book The text is broken into three main segments, as previously mentioned, with chapters in each. Each chapter begins with a list of key concepts which state the main facts and points to be discussed. The chapter then thoroughly explains the mechanisms of each point.

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