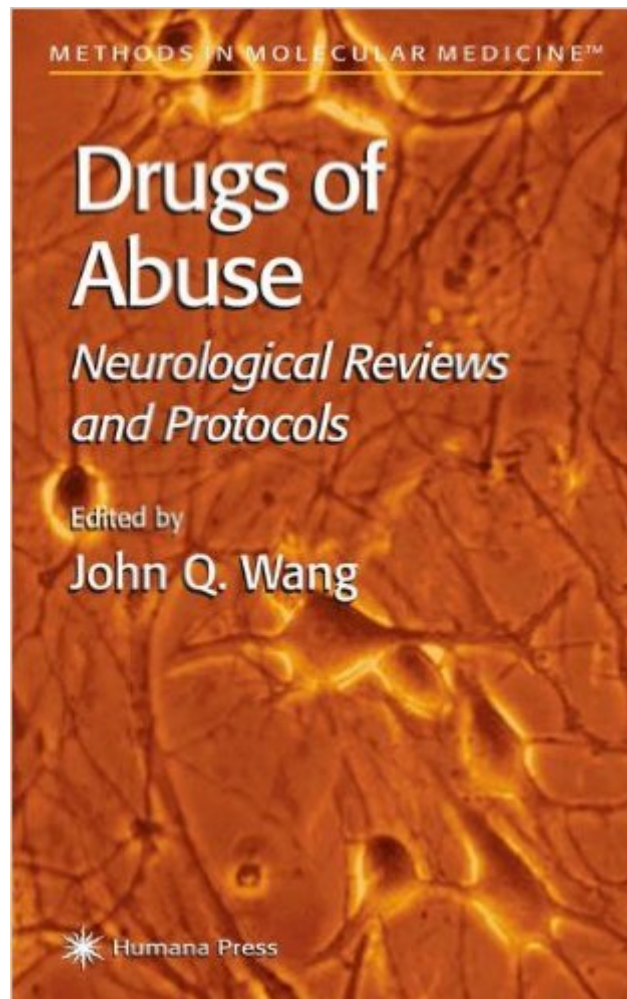


The book was found

Drugs Of Abuse: Neurological Reviews And Protocols (Methods In Molecular Medicine)



Synopsis

Drugs of Abuse: Neurological Reviews and Protocols is intended to provide insightful reviews of key current topics and, particularly, state-of-the-art methods for examining drug actions in their various neuroanatomical, neurochemical, neurophysiological, neuropharmacological, and molecular perspectives. The book should prove particularly useful to newcomers (graduate students and technicians) in this field, as well as to those established scientists (neuroscientists, biochemists, and molecular biologists) intending to pursue new careers or directions in the study of drugs. The book's protocols cover a wide variety of coherent methods for gathering information on quantitative changes in proteins and mRNAs at both tissue and cellular levels. Inducible gene expression in striatal neurons has been a hot topic over the last decade. Alterations in gene expression for a wide range of proteins in the striatum have been investigated in response to drug administration. Altered expression of given mRNAs and their product proteins constitutes essential molecular steps in the development of neuroplasticity related to long-term addictive properties of drugs of abuse. With the multiple labeling methods that are also described in the book, gene expression can be detected in a chemically identified cell phenotype; the expression of multiple genes of interest can be detected in a single cell simultaneously. Hundreds or thousands of gene expression products can today be detected in one experimental setup using the powerful systematic cDNA macroarray or microarray screening technology. Moreover, protocols useful in analyzing the functional roles of genes and proteins (e. g.

Book Information

Series: Methods in Molecular Medicine (Book 79)

Hardcover: 514 pages

Publisher: Humana Press; 2003 edition (December 11, 2002)

Language: English

ISBN-10: 1588290573

ISBN-13: 978-0767415491

Product Dimensions: 6.1 x 1.1 x 9.2 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #6,182,183 in Books (See Top 100 in Books) #87 in Books > Medical Books > Pharmacology > Pharmacodynamics #1895 in Books > Medical Books > Pharmacology > Pain Medicine #3350 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services >

Pharmacy

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

Drugs of Abuse: Neurological Reviews and Protocols (Methods in Molecular Medicine) High Throughput Screening: Methods and Protocols (Methods in Molecular Biology) (Methods in Molecular Biology, 190) Pearson Reviews & Rationales: Pathophysiology with "Nursing Reviews & Rationales" (3rd Edition) (Pearson Nursing Reviews & Rationales) The Clinical Practice of Neurological and Neurosurgical Nursing (Clinical Practice of Neurological & Neurosurgical Nursing) HPLC of Peptides and Proteins: Methods and Protocols (Methods in Molecular Biology) Antibody Phage Display: Methods and Protocols (Methods in Molecular Biology) Patch-Clamp Methods and Protocols (Methods in Molecular Biology) Vaccine Technologies for Veterinary Viral Diseases: Methods and Protocols (Methods in Molecular Biology) Novel Anticancer Drug Protocols (Methods in Molecular Medicine) Plant Breeding Reviews (Horticultural Reviews) (Volume 11) Farmacología: LIR. Lippincott Illustrated Reviews (Lippincott Illustrated Reviews Series) (Spanish Edition) Pearson Reviews & Rationales: Maternal-Newborn Nursing with Nursing Reviews & Rationales (3rd Edition) Cell Press Reviews: Cancer Therapeutics (Cell Press Reviews Series) Elder Abuse Prevention and Intervention: A Guide to Dealing With Nursing Home Abuse and Other Elderly Abuse Issues Cystic Fibrosis: Diagnosis and Protocols, Volume I: Approaches to Study and Correct CFTR Defects (Methods in Molecular Biology) Plant Virology Protocols: New Approaches to Detect Viruses and Host Responses (Methods in Molecular Biology) Drug-DNA Interaction Protocols (Methods in Molecular Biology) Mycoplasma Protocols (Methods in Molecular Biology) Applied Cryptography: Protocols, Algorithms, and Source Code in C [APPLIED CRYPTOGRAPHY: PROTOCOLS, ALGORITHMS, AND SOURCE CODE IN C BY Schneier, Bruce (Author) Nov-01-1995 Telephone Triage Protocols for Nursing (Briggs, Telephone Triage Protocols for Nurses098227)

[Dmca](#)