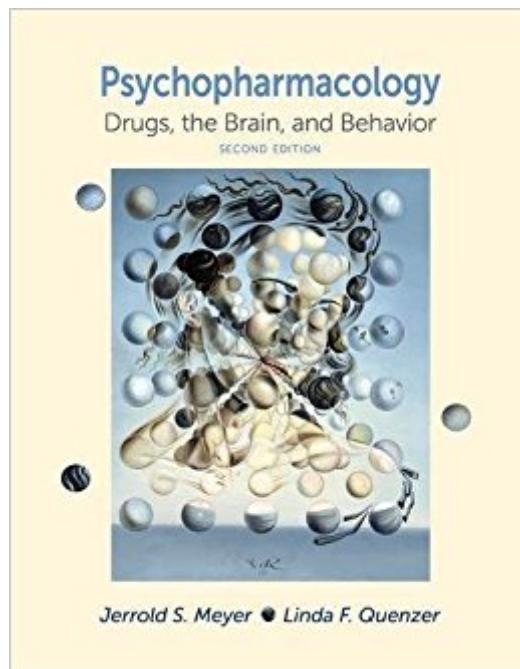


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# Psychopharmacology: Drugs, The Brain, And Behavior



## Synopsis

The first edition of *Psychopharmacology: Drugs, the Brain, and Behavior*, published in 2004, was unique in its breadth of coverage ranging from historical accounts of drug use to clinical and preclinical behavioral studies to the latest research on drug effects in transgenic mouse models. Now extensively updated, the new second edition features:

- \*A new and timely discussion of emerging substances of abuse such as *Salvia divinorum*, "spice" or "K2," and "bath salts"
- \*Presentation of key biological concepts such as epigenetics to help students understand current ideas about how mental illnesses arise and how drugs act on the brain to treat these illnesses
- \*Two new chapters that provide detailed information on various neurodegenerative disorders and the effects of neurotoxicants and endocrine disruptors on brain function and behavior
- \*A student Companion Website that contains outlines, flashcards and key terms, select animations, and web boxes for further exploration
- \*An Instructor's Resource Library that contains all textbook figures and tables, lecture PowerPoints, and a test bank.

Student engagement with the material is fostered by opening each chapter with a relevant vignette and by providing breakout boxes presenting novel and, in some cases, controversial topics for special discussion. Box themes include History of Psychopharmacology, Pharmacology in Action, Clinical Applications, and The Cutting Edge. The book is lavishly illustrated with full-color photographs and line art depicting important concepts and experimental data.

**Psychopharmacology: Drugs, the Brain, and Behavior, Second Edition** is appropriate for undergraduate or beginning level graduate courses in psychopharmacology or drugs and behavior that emphasize relationships between the behavioral effects of psychoactive drugs and their mechanisms of action.

**RESOURCES**

**For Students**

New for the Second Edition, the Psychopharmacology Companion Website includes a variety of resources to help students learn and review the material presented in the textbook, and to expand the coverage of the textbook. The site includes the following:

- \*Chapter Outlines
- \*Animations: Detailed, narrated animations of some of the key complex processes described in the textbook
- \*Web Boxes presenting novel or cutting-edge topics for special discussion
- \*Web Links: A collection of suggested websites related to each chapter

**\*Flashcards & Key Terms:** A great way for students to learn and review the key terminology introduced in each chapter

**For Instructors**

Available to qualified adopters of the textbook, Psychopharmacology's Instructor's Resource Library provides instructors with a range of resources to help them prepare their lectures and assess their students. The IRL includes the following:

- \*Textbook Figures & Tables: All of the figures (art and photos) and tables from the textbook are provided both as high-resolution and low-resolution JPEG images.
- \*PowerPoint Presentations: Two presentations are provided for each chapter of the textbook: -All figures and tables from the chapter,

ready to insert into custom presentations -A complete lecture presentation that includes comprehensive lecture notes and selected figures \*Test Bank (see below for details) \*Computerized Test BankIncluded in the Instructor's Resource Library, the Psychopharmacology Test Bank includes 50 test questions per chapter, consisting of approximately forty multiple-choice, and ten short-answer. The questions have been designed to provide instructors with a good selection of factual and conceptual questions, at a range of difficulty levels. The test bank is provided as Microsoft Word files.In addition to the Microsoft Word version of the Test Bank, all questions are available in Wimba's Diploma test-creation software (software included). Diploma makes it easy to create quizzes and exams using any combination of publisher-provided questions and your own questions, and to print or publish your exams for online use.

## **Book Information**

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## **Customer Reviews**

The authors . . . cover the important topics with great clarity, and the reader will find all the subjects accessible. . . . A particular delight is that the book is sumptuously illustrated many of the illustrations are eye-catching and attention-grabbing. . . . I highly recommend this book to anyone who wishes to learn about psychopharmacology. --Allan Hunter Young, The New England Journal of MedicineFor over 30 years I have been teaching about this engaging subject ( non-medical drug use, not drug abuse ). This is certainly the best, most clearly written, and by far the most interesting book that I have seen in this area. --Oliver M. Brown, State University of New York, Upstate Medical

UniversityFor over 30 years I have been teaching about this engaging subject ( non-medical drug use, not drug abuse ). This is certainly the best, most clearly written, and by far the most interesting book that I have seen in this area. --Oliver M. Brown, State University of New York, Upstate Medical University

Jerrold S. Meyer is Professor Emeritus of Psychology and former Director of the interdepartmental Neuroscience and Behavior Program at the University of Massachusetts, Amherst. He did his graduate work under Dr. Robert Bowman at the University of Wisconsin, receiving his Ph.D. in 1974, and he was a postdoctoral fellow with Dr. Bruce McEwen at Rockefeller University and with Dr. William Boggan at the Medical University of South Carolina. He is the author or coauthor of over 120 articles and chapters in the fields of neuropharmacology and neuroendocrinology, and coauthored the first edition of the present text with Linda Quenzer as well as *Principles of Neuropsychopharmacology* (1997) with Robert Feldman and Linda Quenzer. Dr. Meyer is a member of the Board of Directors of the International Drug Abuse Research Society and the Editorial Board of the journal *Neurotoxicology and Teratology*. He is a past President of the Neurobehavioral Teratology Society. His current research, funded by the National Institutes of Health, focuses on stress and psychopathology in both humans and animal models. He has also recently conducted numerous studies on the neurotoxic and behavioral effects of the abused drug MDMA ("ecstasy"). Linda F. Quenzer is Adjunct Professor of Psychology and Neuroscience at the University of Hartford. She received her Ph.D. from the University of Massachusetts, Amherst, in 1974 with Dr. Robert S. Feldman and she was an NIMH postdoctoral fellow in the Laboratory of Preclinical Pharmacology with Dr. Norton Neff. During her appointment in the Departments of Pharmacology and Psychiatry at the University of Connecticut Medical School, she received a Career Development Award from the Pharmaceutical Manufacturers Association Foundation. Dr. Quenzer has extensive teaching experience in the areas of psychobiology and neuropsychopharmacology at the undergraduate, graduate, and postgraduate levels. Her previous collaborations with Sinauer Associates include *Fundamentals of Neuropsychopharmacology* (1984, with Robert Feldman) and *Principles of Neuropsychopharmacology* (1997, with Robert Feldman and Jerrold Meyer). Her current interests concern the role of the HPA axis, hippocampal atrophy, and neurogenesis in psychiatric disorders.

This is a very well written textbook intended for upper-level undergraduates or first year graduate students, but it is also very appropriate for non-professionals who are interested in how learning

more about various drugs and how they affect the brain and behavior. The topics are presented in a very logical order: 1) overview of basic neurobiology 2) detailed review of various neurotransmitters, their functions, and drugs that affect them 3) in depth chapters on various classes of drugs such as alcohol, marijuana, cocaine, etc. The writing is way above average for a textbook, explanations are well presented and filled with examples. Also, the bibliography section is great for those who want to explore more, and read the relevant primary and review papers.

My professor who is a psychologist with a master degree in psychopharmacology recommended this book. It has been great and I would suggest it for others!

Exceptional coverage of an expanding field. The online companion website is particularly useful and, as a college student, I was pleased that the companion was free (and also accessible even without the book!).

Alright book for anyone interested on the effect of drugs on the brain

Great book for my psychopharmacology class. Perfect condition too.

Book came on time. Aced the class.

Had to get this book for a class. It's okay, but the way things are explained is a bit confusing- I had to read the same paragraph several times to get an idea of what the author was trying to say. Additionally, there were subjects that were just barely brushed on, although they were important to understanding entire concepts.

This text clearly and concisely explains all the basics of neuroscience. It then moves into the most cutting edge research and knowledge about treatments in psychopharmacology. I am interested in a very new and little known area of treatment, and was surprised to see it in this text. I am loving reading each day and am finding the information exciting. A great textbook.

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