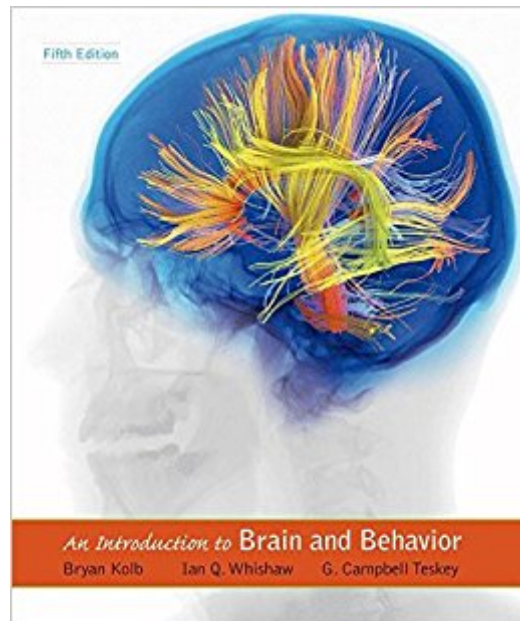




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An Introduction To Brain And Behavior



Synopsis

From authors Bryan Kolb and Ian Whishaw, and new coauthor G. Campbell Teskey, *An Introduction to Brain and Behavior* offers a unique inquiry-based introduction to behavioral neuroscience, with each chapter focusing on a central question (i.e., "How Does the Nervous System Function?"). It also incorporates a distinctive clinical perspective, with examples showing students what happens when common neuronal processes malfunction. Now this acclaimed book returns in a thoroughly up-to-date new edition. Founders of a prestigious neuroscience institute at the University of Lethbridge in Alberta, Canada, Kolb and Whishaw are renowned as both active scientists and teachers. G. Campbell Teskey of the University of Calgary, also brings to the book a wealth of experience as a researcher and educator. Together, they are the ideal author team for guiding students from a basic understanding the biology of behavior to the very frontiers of some of the most exciting and impactful research being conducted today.

Book Information

Hardcover: 704 pages

Publisher: Worth Publishers; 5 edition (January 22, 2016)

Language: English

ISBN-10: 1464106010

ISBN-13: 978-1464106019

Product Dimensions: 9.4 x 1.1 x 11.2 inches

Shipping Weight: 3.7 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 6 customer reviews

Best Sellers Rank: #3,319 in Books (See Top 100 in Books) #8 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Neuroscience](#) #15 in [Books > Medical Books > Medicine > Internal Medicine > Neurology > Neuroscience](#) #65 in [Books > Science & Math > Behavioral Sciences](#)

Customer Reviews

Bryan Kolb received his Ph.D. from the Pennsylvania State University in 1973. He conducted postdoctoral work at the University of Western Ontario and the Montreal Neurological Institute. He moved to the University of Lethbridge in 1976, where he is currently Professor of Psychology and Neuroscience and holds a Board of Governor's Chair in Neuroscience. His current research examines how neurons of the cerebral cortex change in response to various factors, including hormones, experience, psychoactive drugs, neurotrophins, and injury, and how these changes are

related to behavior in the normal and diseased brain. Kolb is a Killam Fellow (Canada Council) and a Fellow of the Canadian Psychological Association (CPA), the American Psychological Association, the American Psychological Society, and the Royal Society of Canada. He is a recipient of the Hebb Prize from CPA and from the Canadian Society for Brain, Behaviour, and Cognitive Science (CSBBCS) and is a former president of the CSBBCS. He is one of the theme leaders in the Canadian Stroke Network. He is an adjunct professor at the University of British Columbia and University of Calgary, as well as the Hotchkiss Brain Institute in Calgary, Alberta. Ian Q. Whishaw received his Ph.D. from the University of Western Ontario in 1971. He moved to the University of Lethbridge in 1970, where he is currently Professor of Psychology and Neuroscience and holds a Board of Governor's Chair in Neuroscience. He has held visiting appointments at the University of Texas, University of Michigan, Cambridge University, and the University of Strasbourg, France. He is a Fellow of Clair Hall, Cambridge, and a member of the Hotchkiss Brain Institute in Calgary, Alberta. His current research examines how the precise details of movements are influenced by injury or disease to the motor systems of rodents and humans and how animals and humans move through real and mental space. Whishaw is a Fellow of the Canadian Psychological Association, the American Psychological Association, and the Royal Society of Canada, and the Institute for Scientific Information includes him in its list of most cited neuroscientists. He is a recipient of a Bronze medal from the Canadian Humane Society, a recipient of the Ingrid Speaker medal for research, and President of NeuroDetective, Inc. G. Campbell Teskey received his Ph.D. from Western University in 1990 and then conducted postdoctoral work at McMaster University. He relocated to the University of Calgary in 1992, where he is a professor in the Department of Cell Biology and Anatomy and the Hotchkiss Brain Institute. His current research program examines the development, organization and plasticity of the motor cortex as well as how seizures alter brain function. Teskey has won numerous teaching awards, developed new courses and co-created the Bachelors of Science in Neuroscience program at his home University. He currently serves as Education Director for the Hotchkiss Brain Institute and Chairs the Education Committee of Campus Alberta Neuroscience. His hobbies include hiking, biking, kayaking, and skiing."

fast delivery great product and as described recommend this vendor

One of the best texts probably ever written about the brain and behavior.

Great book! Exactly what I was looking for!

Saved me \$200

This is an outstanding new edition with a new author and many new illustrations. I have all the previous editions, and if you are on a budget you can get previous editions for \$5 US plus shipping of 4 bucks on the marketplace. Reviews of previous editions are, in my opinion, overly harsh. Some say it is too tough and some too basic, but I teach computational neurochem online and my target for this text are bright High School students or early foundation undergrads. Because of the numerous illustrations and the wealth of intuitive examples, this text is an outstanding foundation for further study and specialization in the neurosciences. Yes, it is expensive, and if you are on a budget like me and many of my students, DO consider the third or fourth edition. In fact the third is now available free online, just google the title and the word pdf and it comes up on slideshare. As an example, in the second edition, the authors compare neural transmission to a battery. In the third, that example is illustrated. So, this series is NOT one of those rip offs where they just call it a new edition and charge another \$200. There are hundreds of new illustrations, references and topics covered in each edition. The problem with this field in general is that the "old" information is stable and any edition is fine, but the physics and chemistry are advancing so rapidly (as much with supercomputing as NMRI) that there IS a lot of new material to keep up with. I'm a contributor to the NENGO project for example, and many of the old spiking models are right now being revised with quantum computing ideas, including spike "leaping," as it relates to similar models in quantum algorithms. This text uses a very intuitive example for that research in the form of a stadium "wave" vs. carefully placed placards around the stadium which solve the problem of transmission speed vs. neuron size (it does not go as deep at the partial derivatives in cable theory, for example, but gives you the foundation VISUALLY you need to get those equations more intuitively). Highly recommended, but DO explore the previous editions online or on the marketplace to get an idea of the quality of the illustrations and examples as well as a detailed table of contents.

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