



# An Introduction to Brain and Behavior

*6th edition*

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Macmillan Learning

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In this unique inquiry-based introduction to behavioral neuroscience each chapter focuses on a central question (i.e., "How Does the Nervous System Function?"). The authors emphasize a distinctive clinical perspective, with examples showing students what happens when common neuronal processes malfunction. The new edition continues the tradition of incorporating the latest research into the fundamentals of nervous system functioning and the interaction between our behavior and our brains. Revisions include new material discussing current research on genetic mosaics and modification, including: Transgenic techniques and optogenetic techniques Neurotransmitters Hormones Brain development in adolescence Psychobiotics Color perception Biorhythms The book has also been updated to reflect the latest findings on specific disorders including Parkinson disease, Alzheimer disease, depression and drug dependency, sleep disorders, schizophrenia, glaucoma, and abnormal development related to prenatal experience.

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## FEATURES

- Clinical Focus, which introduces fascinating and revealing real-life cases of neurological disorders and their treatment
- Experiment, which take students step by step through an important research endeavor that enhanced our understanding of the chapter's topic
- The Basics to refresh students on fundamental concepts in biology and chemistry that they may have learned in previous courses
- End-of-Section Review, which offer fill-in comprehension questions and a more open ended short answer question as a quick check for students.
- End-of-chapter Pedagogy, including chapter reviews,