

before, making it the first book in the market to cover the literature of multisensory flavor perception by incorporating the latest in psychophysics and neuroscience. Authored by top academics and world leaders in the field Takes readers on a journey from the neurological underpinnings of multisensory flavor perception, then presenting insights that can be used by food companies to create better flavor sensations for consumers Offers a wide perspective on multisensory flavor perception, an area of rapidly expanding knowledge This ancillary to the textbook Fundamental Neuroscience brings all of the text's full-color guidance into the classroom. It comes with two versions of slides*labeled and unlabeled*for use in class discussions and lectures or during examinations and review. There are 892 illustrations in all*225 in full color!

Turn to Fundamental Neuroscience for a thorough, clinically relevant understanding of this complicated subject! Integrated coverage of neuroanatomy, physiology, and pharmacology, with a particular emphasis on systems neurobiology, effectively prepares you for your courses, exams, and beyond. Easily comprehend and retain complex material thanks to the expert instruction of Professor Duane Haines, recipient of the Henry Gray/Elsevier Distinguished Teacher Award from the American Association of Anatomists and the Distinguished Teacher Award from the Association of American Colleges. Access the complete contents online at www.studentconsult.com, plus 150 USMLE-style review questions, sectional images correlated with the anatomical diagrams within the text, and more. Grasp important anatomical concepts and their clinical applications thanks to correlated state-of-the-art imaging examples, anatomical diagrams, and histology photos. Retain key information and efficiently study for your exams with clinical highlights integrated and emphasized within the text. The new edition of Fundamentals of Computational Neuroscience build on the success and strengths of the first edition. Completely redesigned and revised, it introduces the theoretical foundations of neuroscience with a focus on the nature of information processing in the brain.

Renowned for comprehensive coverage, the best-selling Clinically Oriented Anatomy guides students from initial anatomy and foundational science courses through clinical training and practice. The eighth edition reflects significant new information and updates and maintains the highest standards for scientific and clinical accuracy. Comprehensive updates reflect changes in the clinical application of anatomy as well as new imaging technologies, focusing on the anatomy that students need to know.

Fundamental Neuroscience, 3rd Edition introduces graduate and upper-level undergraduate students to the full range of contemporary neuroscience. Addressing instructor and student feedback on the previous edition, all of the chapters are rewritten to make this book more concise and student-friendly than ever before. Each chapter is once again heavily illustrated and provides clinical boxes describing experiments, disorders, and methodological approaches and concepts. Capturing the promise and excitement of this fast-moving field, Fundamental Neuroscience, 3rd Edition is the text that students will be able to reference throughout their neuroscience careers! New to this edition: 30% new material including new chapters on Dendritic Development and Spine Morphogenesis, Chemical Senses, Cerebellum, Eye Movements, Circadian Timing, Sleep and Dreaming, and Consciousness Additional text boxes describing key experiments, disorders, methods, and concepts Multiple model system coverage beyond rats, mice, and monkeys Extensively expanded index for easier referencing Fundamental Neuroscience, 3rd Edition introduces graduate and upper-level undergraduate students to the full range of contemporary neuroscience. Addressing instructor and student feedback on the previous edition, all of the chapters are rewritten to make this book more concise and student-friendly than ever before. Each chapter is once again heavily illustrated and provides clinical boxes describing experiments, disorders, and methodological approaches and concepts. A companion web site contains test questions, and an imagebank of the figures for ready use in presentations, slides, and handouts. Capturing the promise and excitement of this fast-moving field, Fundamental Neuroscience, 3rd Edition is the text that students will be able to reference throughout their neuroscience careers! New to this edition: * 30% new material including new chapters on Dendritic Development and Spine Morphogenesis, Chemical Senses, Cerebellum, Eye Movements, Circadian Timing, Sleep and Dreaming, and Consciousness * Companion website with figures, web links to additional material, and test questions * Additional text boxes describing key experiments, disorders, methods, and concepts * Multiple model system coverage beyond rats, mice, and monkeys * Extensively expanded index for easier referencing

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Provides thorough explanations of cellular biology, neuron structure and function, vascular anatomy, neuronal communication, and the embryological development of the nervous system. Discusses human regional neuroanatomy and systems neurobiology, providing an understanding of the function of the human brain and spinal cord. Includes numerous diagnostic imaging examples--including MR and CT imaging studies--that provide radiological correlations for various neuroanatomical structures.

Fundamental Neuroscience for Basic and Clinical Applications E-BookElsevier Health Sciences

Netter's Atlas of Neuroscience, by David L. Felten and Anil N. Shetty, is an atlas and textbook that combines nearly 400 illustrations and radiologic images highlighting key neuroanatomical concepts and clinical correlations with updated information that reflects our current understanding of the nervous system. It offers user-friendly coverage in three parts--an overview of the nervous system, regional neuroscience, and systemic neuroscience-- that enable you to review complex neural structures and systems from different contexts. Online access to Student Consult-- where you'll find the complete fully searchable contents of the book, videos of imaging sequences, links to relevant content in other Student Consult titles, and more-- further enhances your study and helps to prepare you for exams. Presents nearly 400 exquisite Netter and Netter-style illustrations that highlight key neuroscience concepts and clinical correlations, providing you with a quick and memorable overview of anatomy, function, and clinical relevance. Provides concise text for fast, "at-a-glance" guidance. Features a regional organization of the peripheral nervous system, spinal cord, brain stem and cerebellum, and forebrain...and a systemic organization of the sensory motor systems, motor systems (including cerebellum and basal ganglia), and limbic/hypothalamic/autonomic systems...that makes reference easier and more efficient. Features high-quality imaging--high-resolution MRI in coronal and axial (horizontal) planes and brain stem cross-sections--as well MR angiography and venography and classical arteriography--for an enhanced perspective of intricacies of the nervous system. Presents updated information and new figures that reflect the current understanding of the neural components and supportive tissue, regions, and systems of the brain, spinal cord, and periphery, to ensure that you have the latest knowledge. Offers schematic cross-sectional brain stem anatomy and axial and coronal brain anatomy--with side-by-side comparisons with labeled MRs--to better illustrate the correlation between neuroanatomy and neurology. Provides new 3D color pixelated imaging of commissural, association, and projection pathways of the brain. Features Clinical Notes boxes that emphasize the clinical application of fundamental neuroscience. Includes online access to Student Consult where you'll find the complete fully searchable contents of the book...3-D imaging sequences...links to relevant content in other Student Consult titles...and more...to further enhance your study and help you prepare for exams.

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This volume focuses on the huge advances in the last 25 years on the use of this animal model for biomedical research (cancer, heart disease and neurodegeneration), fundamental neuroscience and basic subterranean biology. In 2013, Science magazine named the naked mole-rat as the Vertebrate of the Year. This was partly due to research carried out documenting its extreme longevity, negligible senescence, and prolonged maintenance of cancer free, good health well into old age as well as seminal work on mechanisms involved in these processes, pain and hypoxia resistance. In addition to this research focus on longevity and chronic diseases such as cancer and cardiovascular disease, the naked mole-rat has also made a substantial contribution to the fields of ecophysiology, neuroscience and behavior. With international contributions, this book provides a valuable text for zoological students, behavioral scientists and biomedical

range of evidence-based literature related to behavior, cognition, emotion, language, and sensory perception--areas that directly impact treatment decisions. Key Features: An emphasis on fundamental information on neuroanatomy, neurophysiology, and functional processes using an analogy-driven and relaxed conversational writing style. More than 350 new and beautifully illustrated full-color neuroanatomical and neurophysiological figures that work to bring the written material to life. Content is divided into four major sections that build upon each other to foster a comprehensive understanding of the nervous system from the cellular to systems. Three summary chapters on the neural bases of speech, language, and hearing that help integrate the basic information from earlier chapters with content specific to CSD. Each chapter begins with an introduction and learning objectives and ends with a top ten summary list of key take-home concepts and study review questions. Bolded key terms throughout with a comprehensive glossary of definitions. Clinical Importance boxes highlight clinically relevant disorders and syndromes that compliment topic coverage. Further Interest boxes highlight interesting and exciting facts about the nervous system's structure, physiology, and functionality. Disclaimer: Please note that ancillary content (such as documents, audio, and video, etc.) may not be included as published in the original print version of this book.

A firm grasp of the functions of living organisms is one of the most important prerequisites to pharmacy study. The long-awaited second edition of Essentials of Human Physiology presents concepts in physiology in a way that prepares students for their subsequent study of pathophysiology, pharmacology, and pharmacotherapeutics. Thoroughly

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