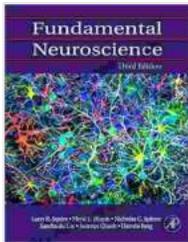


Fundamental Neuroscience: Understanding the Brain and Its Disorders - Larry R. Squire

Fundamental Neuroscience is a comprehensive textbook that provides a thorough overview of the field of neuroscience. It covers a wide range of topics, from the basic structure and function of the brain to the latest advances in research on neurological disorders. The book is written by Larry R. Squire, a leading neuroscientist who has made significant contributions to our understanding of the brain and memory.



Fundamental Neuroscience by Larry R. Squire

★★★★☆ 4.4 out of 5

Language : English

File size : 76136 KB

Screen Reader : Supported

Print length : 1 pages

X-Ray for textbooks: Enabled



Overview of the Book

Fundamental Neuroscience is divided into five parts:

- **Part 1: to Neuroscience** This part provides an overview of the field of neuroscience, including its history, methods, and major concepts.
- **Part 2: Cellular and Molecular Neuroscience** This part covers the basic structure and function of the brain, including the different types of neurons, the way they communicate with each other, and the molecular mechanisms that underlie brain function.

- **Part 3: Systems Neuroscience** This part discusses the different systems of the brain, including the sensory systems, the motor systems, and the limbic system. It also covers the neural basis of behavior, including learning, memory, and emotion.
- **Part 4: Cognitive Neuroscience** This part examines the neural basis of cognition, including attention, language, and decision-making. It also discusses the relationship between brain damage and cognitive deficits.
- **Part 5: Clinical Neuroscience** This part covers the major neurological disorders, including Alzheimer's disease, Parkinson's disease, and stroke. It also discusses the principles of neuropharmacology and the use of neuroimaging techniques in the diagnosis and treatment of neurological disorders.

Strengths of the Book

Fundamental Neuroscience is a well-written and comprehensive textbook that provides a thorough overview of the field of neuroscience. It is written in a clear and concise style, and it is well-organized and easy to navigate. The book is also well-illustrated, with over 600 full-color images and diagrams. These images and diagrams help to clarify the complex concepts that are discussed in the text.

Another strength of Fundamental Neuroscience is its focus on the latest advances in research on neurological disorders. The book includes up-to-date information on the causes, diagnosis, and treatment of a wide range of neurological disorders, including Alzheimer's disease, Parkinson's disease, stroke, and epilepsy.

Weaknesses of the Book

One weakness of Fundamental Neuroscience is that it is a very large book. It is over 1,000 pages long, and it can be overwhelming for some readers. Another weakness is that the book is not always up-to-date on the latest advances in neuroscience research. Some of the information in the book is already outdated, and it may not reflect the latest findings in the field.

Overall Evaluation

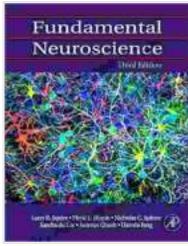
Overall, Fundamental Neuroscience is a well-written and comprehensive textbook that provides a thorough overview of the field of neuroscience. It is a valuable resource for students, researchers, and clinicians who are interested in learning more about the brain and its disorders.

About the Author

Larry R. Squire is a leading neuroscientist who has made significant contributions to our understanding of the brain and memory. He is currently a professor of psychiatry, neurology, and psychology at the University of California, San Diego. Dr. Squire is the author of over 500 scientific articles and several books, including Fundamental Neuroscience and Memory: From Mind to Molecules.

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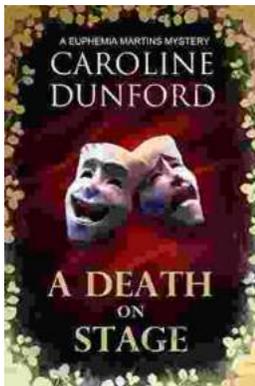
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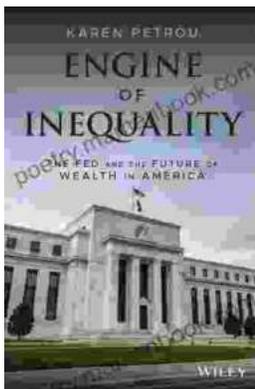
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