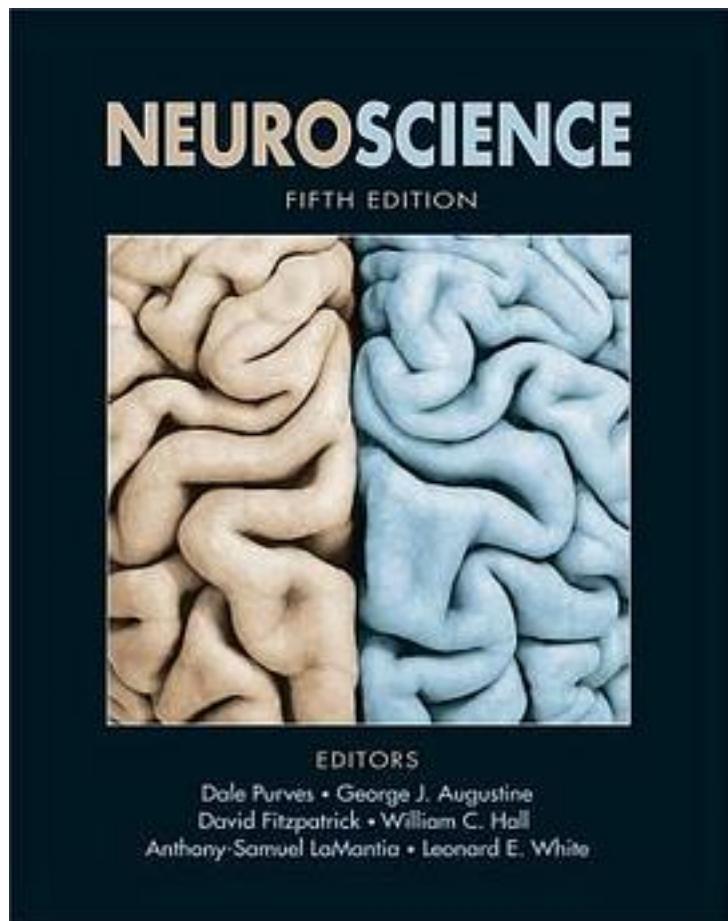


Neuroscience



[Neuroscience 下载链接1](#)

著者:Dale Purves

出版者:Oxford University Press

出版时间:2017-10-12

装帧:Hardcover

isbn:9781605353807

This comprehensive textbook provides a balance of animal and human studies to discuss the dynamic field of neuroscience from cellular signaling to cognitive function. The book's length and accessible writing style make it suitable for both medical students and undergraduate neuroscience courses. Each new book includes a

one-year subscription to *Sylvius 4 Online*.

作者介绍:

Dale Purves is affiliated with Duke Institute for Brain Sciences. George J. Augustine is affiliated with Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore. David Fitzpatrick is affiliated with Max Planck Florida Institute for Neuroscience. William C. Hall,

Emeritus, is affiliated with Duke University School of Medicine. Anthony-Samuel Lamantia is affiliated with the GW Institute for Neuroscience. Richard D. Mooney is affiliated with Duke University School of Medicine. Michael L. Platt is affiliated with the University of Pennsylvania. Leonard E. White

is affiliated with Duke Institute for Brain Sciences.

目录: Preface

1. Studying the Nervous System
- Unit I. Neural Signaling
2. Electrical Signals of Nerve Cells
3. Voltage-Dependent Membrane Permeability
4. Ion Channels and Transporters
5. Synaptic Transmission
6. Neurotransmitters and Their Receptors
7. Molecular Signaling within Neurons
8. Synaptic Plasticity

Unit II. Sensation and Sensory Processing

9. The Somatosensory System: Touch and Proprioception
10. Pain

11. Vision: The Eye

12. Central Visual Pathways
13. The Auditory System
14. The Vestibular System
15. The Chemical Senses

Unit III. Movement and Its Central Control

16. Lower Motor Neuron Circuits and Motor Control
17. Upper Motor Neuron Control of the Brainstem and Spinal Cord
18. Modulation of Movement by the Basal Ganglia
19. Modulation of Movement by the Cerebellum
20. Eye Movements and Sensory Motor Integration
21. The Visceral Motor System

Unit IV. The Changing Brain

22. Early Brain Development
23. Construction of Neural Circuits
24. Circuit Differentiation: Intrinsic Factors and Sex Differences
25. Experience-Dependent Plasticity in the Developing Brain
26. Repair and Regeneration in the Nervous System

Unit V. Complex Brain Functions and Cognitive Neuroscience

27. Cognitive Functions and the Organization of the Cerebral Cortex
28. Cortical States
29. Attention NEW!
30. Memory

- 31. Emotion
- 32. Thinking, Planning, and Deciding NEW!
- 33. Speech and Language
- 34. Development and Evolution of Cognitive Functions NEW!
- Appendix: Survey of Human Neuroanatomy
- Atlas: The Human Central Nervous System
- Glossary
- Illustration Credits
- Index
- • • • • (收起)

[Neuroscience 下载链接1](#)

标签

神经科学

脑科学

英文原版

医学

生物

生物学

en

评论

不似principle of neuroscience那么繁琐，是一本比较好的进阶读物。在explore brain之后，在prinNeurosci之前。

George!

[Neuroscience 下载链接1](#)

书评

[Neuroscience 下载链接1](#)