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| Nota di contenuto       | Contributors; Foreword: Neurobiology of Attention; Preface; A Brief and Selective History of Attention; A Tour of This Volume; SECTION I: FOUNDATIONS; CHAPTER 1: Computational Foundations for Attentive Processes; CHAPTER 2: Capacity Limits for Spatial Discrimination; CHAPTER 3: Directed Visual Attention and the Dynamic Control of Information Flow; CHAPTER 4: Selective Attention as an Optimal Computational Strategy; CHAPTER 5: Surprise: A Shortcut for Attention?; CHAPTER 6: A Heteromodal Large-Scale Network for Spatial Attention<br>CHAPTER 7: Parietal Mechanisms of Attentional Control: Locations, Features, and ObjectsCHAPTER 8: Visual Cortical Circuits and Spatial Attention; CHAPTER 9: Psychopharmacology of Human Attention; CHAPTER 10: Neuropharmacology of Attention; CHAPTER 11: Identifying the Neural Systems of Top-Down Attentional Control: A Meta-analytic Approach; CHAPTER 12: Attention Capture: The Interplay of Expectations, Attention, and Awareness; CHAPTER 13: Change Blindness; CHAPTER 14: Development of Covert Orienting in Young |

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CHAPTER 17: Guidance of Visual Search by Preattentive  
InformationCHAPTER 18: The Top in Top-Down Attention; CHAPTER 19:  
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CHAPTER 40: Contextual Guidance of Visual Attention; CHAPTER 41:  
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CHAPTER 43: Visual Search: The Role of Memory for Rejected  
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Binding; CHAPTER 45: Visual Saliency and Spike Timing in the Ventral  
Visual Pathway  
CHAPTER 46: Object Recognition in Cortex: Neural Mechanisms, and  
Possible Roles for Attention

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## Sommario/riassunto

A key property of neural processing in higher mammals is the ability to focus resources by selectively directing attention to relevant perceptions, thoughts or actions. Research into attention has grown rapidly over the past two decades, as new techniques have become available to study higher brain function in humans, non-human primates, and other mammals. Neurobiology of Attention is the first encyclopedic volume to summarize the latest developments in attention research. An authoritative collection of over 100 chapters organized into thematic sections provides both broad covera

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