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| Soggetti | Neurosciences Psychobiology Human behavior Neurology Biology - Technique Neuroscience Behavioral Neuroscience Experimental Organisms |
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| Nota di contenuto | Preface -- A History and Overview of the Behavioral Neuroscience of Learning and Memory. - Current Topics Regarding the Function of the Medial Temporal Lobe Memory System -- Neural activity patterns underlying spatial coding in the hippocampus -- What versus where: Non-spatial aspects of memory representation by the hippocampus -- The functional and structural neuroanatomy of systems consolidation for autobiographical and semantic memory -- Memory Reconsolidation -- The Sensory Neocortex and Associative Memory -- The Representational Basis of Working Memory -- The neuroscience of human decision-making through the lens of learning and memory -- Basal forebrain cholinergic system and memory -- Habit Formation and the Striatum -- The Anatomy and Physiology of Eyeblink Classical Conditioning -- Exploration of the Neurobiological Basis for a Three-System, Multi-Attribute Model of Memory. |
| Sommario/riassunto | 'Behavioral Neuroscience of Learning and Memory' brings together the |

opinions and expertise of some of the world's foremost neuroscientists in the field of learning and memory research. The volume provides a broad coverage of contemporary research and thinking in this field, focusing both on well established topics such as the medial temporal lobe memory system, as well as emerging areas of research such as the role of memory in decision making and the mechanisms of perceptual learning. Key intersecting themes include the molecular and cellular mechanisms of memory formation, the multiplicity of memory systems in the brain, and the way in which technological innovation is driving discovery. Unusually for a volume of this kind, this volume brings together research from both humans and animals—often relatively separate areas of discourse—to give a more comprehensive and integrated view of the field. The book will be of interest to both established researchers who wish to broaden their knowledge of topics outside of their specific areas of expertise, and for students who need a resource to help them make sense of the vast scientific literature on this subject.
