

1. Record Nr.	UNINA9910784824503321
Titolo	Brain organization and memory : cells, systems, and circuits // edited by James L. McGaugh, Norman M. Weinberger, Gary Lynch
Pubbl/distr/stampa	New York, New York ; ; Oxford, [England] : , : Oxford University Press, , 1990 ©1990
ISBN	0-19-773480-4 9786610526376 0-19-536025-7 1-4294-0011-0
Descrizione fisica	1 online resource (xvii,409p.)
Disciplina	153.1/2
Soggetti	Memory Cerebral cortex - Physiology Neural circuitry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	J. Bures: Neurobiology of Memory: The Significance of Anomalous Findings; PART I: Forms of Memory; M. Gallagher: Introduction; T. J. Carew et al.: The Development of Learning and Memory in Aplysia; R. G. M. Morris: Synaptic Plasticity, Neural Architecture, and Forms of Memory; P. C. Holland: Forms of Memory in Pavlovian Conditioning; M. K. Johnson: Functional Forms of Human Memory; N. M. Weinberger: Neuromnemonics: Forms and Contents; R. W. Doty: Time and Memory; A. P. Shimamura: Forms of Memory: Issues and Directions; PART II: Regulation of Cortical Function in Memory; M. R. Rosenzweig: Introduction; E. T. Rolls: Functions of Neuronal Networks in the Hippocampus and of Backprojections in the Cerebral Cortex in Memory; W. Singer: Ontogenetic Self-Organization and Learning; G. W. Van Hoesen: The Dissection by Alzheimer's Disease of Cortical and Limbic Neural Systems Relevant to Memory; H. P. Killackey: The Neocortex and Memory Storage; R. A. Anderson and D. Zipser: A Network Model for

Learned Spatial Representation in the Posterior Parietal Cortex; P. S. Goldman-Rakic: Cortical Localization of Working Memory; PART III: Representations - Beyond the Single Cell; G. L. Shaw: Introduction; L. N. Cooper, et al.: Neural Networks: Test Tubes to Theorems; I. Kohonon: Notes on Neural Computing and Associative Memory; I. J. Sejnowski and G. Tesauro: Building Network Learning and Algorithms from Hebbian Synapses; C. von der Malsburg: A Neural Architecture for the Representation of Scenes; W. J. Freeman and C. A. Skarda: Representations: Who Needs Them?; G. L. Gerstein: Interactions Within Neuronal Assemblies: Theory and Experiment; G. Lynch et al.: Neural Networks and Networks of Neurons; Index.

Sommario/riassunto

This edited volume summarizes findings on the brain systems that underlie memory. The book reviews progress in understanding forms of memory in animals and humans and the interaction of cortical and sub cortical systems in the regulation of memory.
