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Nota di contenuto	Cover ; Contents; Preface; 1 Introduction; 2 The Dynamic Building of the Brain; 3 The Plasticity of Retinal Ganglion Cells; 4 Using Indelible Transgenic Markers to Identify, Analyze, and Manipulate Neuronal Subtypes; 5 Vision-Dependent Plasticity at the Retinogeniculate Synapse; 6 Is Half a Loaf Worse than No Bread?; 7 Determinants of Synaptic and Circuit Plasticity in the Cerebral Cortex; 8 Activity-Dependent Development of Inhibitory Synapses and Innervation Pattern in the Visual Cortex; 9 Molecular Factors Controlling Inhibitory Circuit Maturation and Onset of Critical Period Plasticity 10 Neuron-Astrocyte Partnership in Brain Function and Dysfunction11 A Thorny Question; 12 The Glutamate Receptor delta2 Subunit in Cerebellar Wiring; 13 Cortex under Construction; 14 Neural Plasticity in Humans; 15 The Developmental Process of Acquiring Multisensory Integration Capabilities; 16 Auditory Processing and Plasticity; 17 Functional Plasticity of the Auditory Cortex; 18 Modulation of Synaptic NMDA Receptors in Striatal Medium Spiny Neurons by Endogenous Dopamine; 19 What Is Callosal Plasticity?; 20 Time Matters; 21 The Two Dorsal Visual Streams and Their Role in Perception

22 The Tribal Networks of the Cerebral Cortex; 23 Neurophysiological Correlates of Cortical Plasticity in the Normal and Diseased Human Brain; 24 Subcortical Contributions to Cortical Reorganization after Massive Somatosensory Deafferentation; 25 Environmental Influences on Neurodegenerative Disease; 26 Nerve Growth Factor and Alzheimer's Disease; 27 Neurotrophins as Regulators of Visual Cortical Plasticity; 28 Plasticity in the Developing Brain; 29 Suppression of Nogo-A to Enhance CNS Repair; 30 New Perspectives in the Treatment of Amblyopia; Contributors; Index; Insert

## Sommario/riassunto

This volume offers contributions from leaders in the field of cerebral plasticity and looks at normal development and the influences of environmental manipulations, cerebral plasticity in adulthood and the underlying mechanisms of plasticity.

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