

1. Record Nr.	UNINA9910451265103321
Titolo	Structural and functional organization of the synapse [[electronic resource] /] / edited by Johannes W. Hell and Michael D. Ehlers
Pubbl/distr/stampa	New York, : Springer, c2008
ISBN	1-281-51249-4 9786611512491 0-387-77232-4
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (814 p.)
Altri autori (Persone)	EhlersMichael D HellJohannes W
Disciplina	612.81
Soggetti	Neural transmission Synapses Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Diversity in Synapse Structure and Composition -- The Role of Glutamate Transporters in Synaptic Transmission -- Structure and Function of Vertebrate and Invertebrate Active Zones -- Neurotransmitter Release Machinery: Components of the Neuronal SNARE Complex and Their Function -- The Molecular Machinery for Synaptic Vesicle Endocytosis -- Initiation and Regulation of Synaptic Transmission by Presynaptic Calcium Channel Signaling Complexes -- Adhesion Molecules at the Synapse -- Dendritic Organelles for Postsynaptic Trafficking -- Structure and Mechanism of Action of AMPA and Kainate Receptors -- Cellular Biology of AMPA Receptor Trafficking and Synaptic Plasticity -- Structure and Function of the NMDA Receptor -- Molecular Properties and Cell Biology of the NMDA Receptor -- Surface Trafficking of Membrane Proteins at Excitatory and Inhibitory Synapses -- Scaffold Proteins in the Postsynaptic Density -- Ca ²⁺ Signaling in Dendritic Spines -- Postsynaptic Targeting of Protein Kinases and Phosphatases -- Long-Term Potentiation -- Homeostatic Synaptic Plasticity -- Ubiquitin and Protein Degradation in Synapse Function -- Signaling from Synapse to Nucleus -- Molecular

Organization of the Postsynaptic Membrane at Inhibitory Synapses --
Acid-Sensing Ion Channels (ASICs) and pH in Synapse Physiology --
Glia as Active Participants in the Development and Function of Synapses --
Plasticity of Dentate Granule Cell Mossy Fiber Synapses: A Putative
Mechanism of Limbic Epileptogenesis -- Stroke – A Synaptic Perspective
-- and Pathological Pain.

Sommario/riassunto

Synapses play a central role in the brain by mediating signal transmission between neurons. This book provides a fundamental description of the synapse by leading experts in the field. Each individual synapse carries out its numerous functions in a tiny space, thereby requiring an exquisite molecular and functional arrangement. This book describes the molecular structure and cellular function of central synapses in the brain, providing a detailed view of the brain's fundamental unit of information storage.

2. Record Nr.

UNINA9910695300303321

Titolo

Child welfare [[electronic resource]] : enhanced federal oversight of Title IV-B could provide states additional information to improve services : report to the chairman, Subcommittee on Human Resources, Committee on Ways and Means, House of Representatives / / United States General Accounting Office

Pubbl/distr/stampa

[Washington, D.C.] : , : U.S. General Accounting Office, , [2003]

Descrizione fisica

ii, 56 pages : digital, PDF file

Soggetti

Child welfare - United States - States
Federal aid to child welfare - United States
Children - Services for - United States - States

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Title from title screen (viewed on Sept. 15, 2003).
"September 2003."
Paper version available from: U.S. Government Accountability Office,
441 G St., NW, Rm. LM, Washington, D.C. 20548.
"GAO-03-956."

