

1. Record Nr.	UNINA9910784975703321
Titolo	The glutamate receptors [[electronic resource] /] / edited by Robert W. Gereau, Geoffrey T. Swanson
Pubbl/distr/stampa	Totowa, N.J., : Humana Press, c2008
ISBN	1-281-22023-X 9786611220235 1-59745-055-3
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (587 p.)
Collana	The receptors
Altri autori (Persone)	GereauRobert W SwansonGeoffrey
Disciplina	612.8042 612.81
Soggetti	Glutamic acid - Receptors Proteins
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	AMPA Receptors -- NMDA Receptors -- Kainate Receptors -- Delta Receptors -- Ionotropic Glutamate Receptors in Synaptic Plasticity -- Structural Correlates of Ionotropic Glutamate Receptor Function -- Positive Modulators of AMPA-Type Glutamate Receptors -- Clinically Tolerated Strategies for NMDA Receptor Antagonism -- The Structures of Metabotropic Glutamate Receptors -- Group I Metabotropic Glutamate Receptors (mGlu1 and mGlu5) -- Group II Metabotropic Glutamate Receptors (mGlu2 and mGlu3) -- Group III Metabotropic Glutamate Receptors (mGlu4, mGlu6, mGlu7, and mGlu8) -- Metabotropic Glutamate Receptor-Dependent Synaptic Plasticity -- Metabotropic Glutamate Receptor Ligands as Novel Therapeutic Agents.
Sommario/riassunto	Glutamate receptors are critically important for normal brain function. The preceding decade has seen remarkable advances in our understanding of the physiological function and molecular structure of these proteins. The Glutamate Receptors provides an expansive review of the field with a topical update to two excellent books - The Ionotropic Glutamate Receptors and The Metabotropic Glutamate Receptors. An exciting primer to the study of glutamate receptors and

their central role in neurotransmission, *The Glutamate Receptors* covers the extraordinary research and significant developments in the decade since the previous books were published and gives a snapshot of how prominent scientists look to the future of research in the field. Both insightful and comprehensive, *The Glutamate Receptors* provides an invaluable reference to students and scientists on nearly every aspect of glutamate receptor structure and function.
