

1. Record Nr.	UNINA9910298354803321
Titolo	Cell Adhesion Molecules : Implications in Neurological Diseases // edited by Vladimir Berezin, Peter S. Walmod
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2014
ISBN	1-4614-8090-6
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (424 p.)
Collana	Advances in Neurobiology, , 2190-5215 ; ; 8
Disciplina	571.6 616.36
Soggetti	Neurosciences Human physiology Human Physiology
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	Introduction -- Part I: Cell adhesion Molecules Belonging to the Immunoglobulin Superfamily -- Thy-1 modulates neurological cell-cell and cell-matrix interactions through multiple molecular interactions -- The IgCAMs CAR, BT-IgSF and CLMP: structure, function and diseases -- GLIALCAM, a glial cell adhesion molecule implicated in neurological disease -- The neuroplastins: multifunctional neuronal adhesion molecules; involvement in behaviour and disease -- Roles of nectins and nectin-like molecules in the nervous system -- ICAM-5 - a neuronal dendritic adhesion molecule involved in immune and neuronal functions -- ROUNDABOUT receptors -- New insights into the roles of the contactin cell adhesion molecules in neural development -- The L1 Family of Cell Adhesion Molecules – A Sickening Number of Mutations and Protein Functions -- Organisation and control of neuronal connectivity and myelination by cell adhesion molecule neurofascin -- Roles for DSCAM and DSCAML1 in central nervous system development and disease -- Part II: Cell adhesion Molecules not Belonging to the Immunoglobulin Superfamily -- The adhesion molecule Anosmin-1 in Neurology: Kallmann syndrome and beyond -- Protocadherins in Neurological Diseases -- Neural cell adhesion molecules belonging to the family of leucine-rich repeat proteins -- Index.

Cell Adhesion Molecules: Implications in Neurological Diseases contains review articles on recent developments in the field of neural cell adhesion molecules (CAMs). The main focus is on the role of cell adhesion molecules in various neurological and neurodegenerative diseases. This perspective has been essentially overlooked in recently published books on neural CAMs. In addition, the contributors cover many newly identified cell adhesion molecules and some that have not received much attention in recent years. This books fills an important gap in the currently available literature.
