1. Record Nr. UNINA9911020464503321

Titolo	Growth factors and psychiatric disorders [[electronic resource]]
Pubbl/distr/stampa	Chichester, UK ; ; Hoboken, NJ, : John Wiley & Sons, 2008
ISBN	1-281-32226-1 9786611322267 0-470-75125-8 0-470-75126-6
Descrizione fisica	1 online resource (260 p.)
Collana	Novartis Foundation symposium ; ; 289
Altri autori (Persone)	ChadwickDerek GoodeJamie
Disciplina	616.89042
Soggetti	Growth factors Mental illness - Genetic aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Editors: Derek J. Chadwick (organizer) and Jamie Goode"--P. v.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	GROWTH FACTORS AND PSYCHIATRIC DISORDERS; Contents; Chair's introduction; Phenomenology, aetiology and treatment of schizophrenia; DISCUSSION; Genetic variants in major depression; DISCUSSION; Neurotrophins in depression and antidepressant effects; DISCUSSION; Genetics of bipolar disorder: focus on BDNF Val66Met polymorphism; DISCUSSION; Mechanisms of neuregulin action; DISCUSSION; General discussion I; The fibroblast growth factor family and mood disorders; DISCUSSION; Trajectories of anatomic brain development as a phenotype; DISCUSSION Cell biology of BDNF and its relevance to schizophreniaDISCUSSION; Functions and mechanisms of BDNF mRNA trafficking; DISCUSSION; Hippocampal neurogenesis and depression; DISCUSSION; Neuregulins and neuronal plasticity: possible relevance in schizophrenia; DISCUSSION; Impact of genetic variant BDNF (Val66Met) on brain structure and function; DISCUSSION; General discussion II; Growth and schizophrenia: aetiology, epidemiology and epigenetics; DISCUSSION; What can we learn from the disrupted in schizophrenia 1 interactome: lessons for target identification and disease biology?; DISCUSSION Neurotrophins and cytokines in neuronal plasticityDISCUSSION; Closing

	remarks; Contributor Index; Subject Index
Sommario/riassunto	The recent identification of susceptibility genes for schizophrenia, depression and learning and memory dysfunction suggest that psychiatric disorders may be influenced by a small number of genes with multiple actions. This is the first book to investigate the role of growth factors in these disorders, which should provide clues to the underlying biochemical mechanisms. For example, recent studies have substantiated the provocative finding that neuregulin 1 (NRG1)is a candidate gene for schizophrenia. Neuregulin and its receptors, the ErbB tyrosine kinases, are essential for development