

1. Record Nr.	UNINA9910144563403321
Titolo	Cortical development [[electronic resource]] : genes and genetic abnormalities // [editors: Gregory Bock and Jamie Goode]
Pubbl/distr/stampa	Chichester, UK ; ; Hoboken, NJ, : Wiley, 2007
ISBN	1-281-32009-9 9786611320096 0-470-99403-7 0-470-99402-9
Descrizione fisica	1 online resource (303 p.)
Collana	Novartis Foundation symposium ; ; 288
Altri autori (Persone)	BockGregory GoodeJamie ParnavelasJ. G (John G.)
Disciplina	612.825
Soggetti	Brain - Growth Developmental neurophysiology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Chair: John Parnavelas."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	CORTICAL DEVELOPMENT: GENES AND GENETIC ABNORMALITIES; Contents; Chair's introduction; Molecular development of corticospinal motor neuron circuitry; DISCUSSION; Perspectives on the developmental origins of cortical interneuron diversity; DISCUSSION; Genetic determinants of neuronal migration in the cerebral cortex; DISCUSSION; Neural stem and progenitor cells in cortical development; DISCUSSION; Genes that control the size of the cerebral cortex; DISCUSSION; General Discussion I; Control of cortical neuron layering: lessons from mouse chimeras; DISCUSSION Intracortical multidirectional migration of cortical interneuronsDISCUSSION; The atypical cadherin Celsr3 regulates the development of the axonal blueprint; DISCUSSION; Regulation of laminar and area patterning of mammalian neocortex and behavioural implications; DISCUSSION; Genetic regulation of prefrontal cortex development and function; DISCUSSION; Self-organization and pattern formation in primate cortical networks; DISCUSSION; Molecular

mechanisms of thalamocortical axon targeting; DISCUSSION; Genes involved in the formation of the earliest cortical circuits; DISCUSSION Emx and Nfi genes regulate cortical development and axon guidance in the telencephalonDISCUSSION; Schizophrenia susceptibility genes and their neurodevelopmental implications: focus on neuregulin 1; DISCUSSION; Focal brain malformations: a spectrum of disorders along the mTOR cascade; DISCUSSION; Final Discussion; Contributor Index; Subject Index

Sommario/riassunto

To understand the brain and its devastating diseases, we need to reveal the mechanisms that produce it and the ways in which it can constantly change throughout a lifetime. This book features a timely and insightful discussion between developmental neurobiologists and clinicians who deal with disorders of the nervous system. Chapters in this book deal specifically with cell fate determination, cell migration and disorders of cell migration; current concepts and new ideas about cortical arealisation, and disorders which can arise from incorrect arealisation; genes implicated in the develo
