

| | |
|-------------------------|---|
| 1. Record Nr. | UNINA9910465785303321 |
| Titolo | From development to degeneration and regeneration of the nervous system [[electronic resource] /] / edited by Charles E. Ribak ... [et al.] |
| Pubbl/distr/stampa | Oxford ; ; New York, : Oxford University Press, 2009 |
| ISBN | 9786611868383 1-281-86838-8 0-19-970916-5 |
| Descrizione fisica | 1 online resource (404 p.) |
| Altri autori (Persone) | RibakCharles E |
| Disciplina | 612.8 |
| Soggetti | Central nervous system - Physiology Nervous system - Degeneration Nervous system - Regeneration Neuroplasticity 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 | Contents; Foreword; Preface; Contributors; Part 1. Cajal's Legacy; Chapter 1: The Legacy of Cajal in Mexico; Part 2. Neuronal Migration and Development; Chapter 2: Tangential Cell Movements During Early Telencephalic Development; Chapter 3: Genetic Control of Cajal-Retzius Cell Development; Chapter 4: Development of the Paraventricular Nucleus of the Hypothalamus; Chapter 5: Neural Tube Defects: New Insights on Risk Factors; Chapter 6: Quantitative Electroencephalography in the Normal and Abnormal Developing Human Brain; Part 3. Degenerative Brain Diseases Chapter 7: The Nigro-Striatal DA Neurons and Mechanisms of Their Degeneration in Parkinson's DiseaseChapter 8: Degeneration and Regeneration of Myelin in the Central Nervous System of the Aging Monkey; Chapter 9: Degeneration in Canine Brain Aging; Chapter 10: Alzheimer's Disease-Related Mechanisms of Neuronal Dysfunction and Degeneration: Studies in Human Cortical Neurons; Chapter 11: Aberrant Cells and Synaptic Circuits in Pediatric Epilepsy Surgery Patients; Part 4. Neural Plasticity and Regeneration |

Chapter 12: Developmental Profile of Newly Generated Granule Cells in the Adult Rodent Dentate Gyrus
Chapter 13: Functional Architecture of Directional Tuning in the Primate Motor Cortex During 3D Reaching;
Chapter 14: Neural Codes for Perceptual Decisions; Chapter 15: Human Neural Stem Cell-Mediated Repair of the Contused Spinal Cord: Timing the Microenvironment; Chapter 16: Spinal Cord Injury Pathology Differs with Injury Type, Age, and Exercise; Index; A; B; C; D; E; F; G; H; I; J; L; M; N; O; P; R; S; T; U; V; W

Sommario/riassunto

This book provides current information about the three areas mentioned in the title: Neuronal Migration and Development, Degenerative Brain Diseases, and Neural Plasticity and Regeneration. The chapters about brain development examine the cellular and molecular mechanisms by which neurons are generated from the ventricular zone in the forebrain and migrate to their destinations in the cerebral cortex. This description of cortical development also includes a discussion of the Cajal-Retzius cell. Another chapter provides insight about the development of another forebrain region, the hypothalam
