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Titolo	Stem cells and neurodegenerative diseases // editors, Laurent Lescaudron, INSERM U791-LIOAD, Nantes University Hospital, Nantes France, Julien Rossignol, College of Medicine, Central Michigan University, Mt Pleasant, MI USA, Gary L. Dunbar, Depa
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Descrizione fisica	1 online resource (245 p.)
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Soggetti	Nervous system - Degeneration Nervous system - Diseases - Treatment Movement disorders - Diagnosis Stem cells
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 at the end of each chapters.
Nota di contenuto	Front Cover; Dedication; Preface; Contents; 1. Stem Cells as a Source for Cell Therapy in Parkinson's Disease; 2. The Use of Stem Cells in Treating Huntington's Disease: State of Research and Prospects for Future Treatments; 3. Stem Cell Transplantation Strategies after Spinal Cord Injury; 4. Role of Endogenous Neural Precursor Cells in Multiple Sclerosis; 5. Stem Cells and Alzheimer's Disease; 6. Stem Cell Therapies for Ischemic Stroke; 7. Immune Response to Intracerebral Transplantation: Particular Properties of Stem Cells; 8. Glioma Stem Cells: The Brain Behind the Tumor? 9. The Future of Induced Pluripotent Stem Cells in Brain Regenerative MedicineColor Plate Section
Sommario/riassunto	This book explores the potential of stem cells for ameliorating the quality of life of patients with neurological and neurodegenerative diseases. It discusses results of pre-clinical investigations and case studies on the effects of stem cell transplantation on cell death, as well as to promote/stimulate neuroprotection after brain and spinal cord

injury through trophic support, cell replacement and remyelination. The book covers the maintenance of the balance between stem cells and their progenitors within their niche, both under normal and degenerative processes and with ischemic stroke, multiple sclerosis, and brain tumor--Provided by publisher.
