

1. Record Nr.	UNINA9910424637803321
Titolo	Stem cell-based therapy for neurodegenerative diseases // Fabin Han, Pengzhe Lu, editors
Pubbl/distr/stampa	Singapore : , : Springer, , [2020] Â©2020
ISBN	981-15-4370-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (V, 145 p. 20 illus., 19 illus. in color.)
Collana	Advances in experimental medicine and biology ; ; Volume 1266
Disciplina	616.80471
Soggetti	Nervous system - Degeneration - Treatment Stem cells - Therapeutic use
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: General Introduction -- Chapter 2: Clinical-grade stem cells for the treatment of neurodegenerative diseases -- Chapter 3: Stem cell treatment for Parkinson's disease -- Chapter 4: Stem cell treatment for Alzheimer's disease -- Chapter 5: Stem cell treatment for Huntington's disease -- Chapter 6: Stem cell treatment for amyotrophic sclerosis disease -- Chapter 7: Stem cell treatment for multiple sclerosis -- Chapter 8: Stem cell treatment for muscular dystrophy -- Chapter 9: Stem cell treatment for spinal muscular atrophy -- Chapter 10: Stem cell treatment for Retinal Degeneration -- Chapter 11: Conclusion and future perspective.
Sommario/riassunto	This book reviews the state-of-the-art in stem-cell-based therapies for neurodegenerative diseases, and highlights advances in both animal models and clinical trials. It comprehensively discusses most neurodegenerative diseases, including such as Parkinson's, Alzheimer's and Huntington's diseases, amyotrophic sclerosis, multiple sclerosis, muscular dystrophy and retinal degeneration, in which stem cells could potentially be used for therapy in the future. It also addresses the challenges and problems relating to the translation of stem-cell-based therapies into treatments. As such, the book will appeal to research scientists, physicians, graduate students, and medical professionals in the field of stem cells, neuroscience, neurology, neurorestoratology and major neurological disorders.

