

1. Record Nr.	UNINA9910160262203321
Titolo	Neurological Regeneration // edited by Phuc Van Pham
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-33720-3
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (IX, 258 p. 30 illus., 26 illus. in color.)
Collana	Stem Cells in Clinical Applications, , 2365-4198
Disciplina	571.6
Soggetti	Stem cells Regenerative medicine Tissue engineering Biomedical engineering Neurology Stem Cells Regenerative Medicine/Tissue Engineering Biomedical Engineering and Bioengineering Neurology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Stem cell therapy: accepted therapies, managing the hope of society and a legal perspective -- Mesenchymal stem cells in clinical applications -- Ageing and senescence in mesenchymal stem cells -- New trends in clinic applications of induced pluripotent stem cells -- The effects of ageing on proliferation potential, differentiation potential and cell surface characterization of human mesenchymal stem cells -- Production of clinical grade mesenchymal stem cells -- Isolation and characterization of adipose-derived stromal cells -- Cord Blood Stem Cell Banking -- Human Embryonic Stem Cells and Associated Clinical Concerns -- Harvesting and collection of adipose tissue for the isolation of adipose derived stromal/stem cells.
Sommario/riassunto	This invaluable resource explores the regenerative potential of stem cells in the nervous system, with a focus on clinical applications. The expertly authored chapters discuss cell-based therapies for spinal cord

injury and regeneration, traumatic brain injury, glioblastoma, Parkinson's Disease, ischemic stroke, cell banking, human embryonic stem cells and related concerns, harvesting of adipose tissue, and more. These topics are contextualized within a discussion of future directions of these therapies. Neurological Regeneration, part of Springer's Stem Cells in Clinical Applications series, is essential reading for scientists, researchers, advanced students and clinicians working in stem cells, neurology, regenerative medicine or tissue engineering.
