

1. Record Nr.	UNINA9910143512403321
Titolo	Neural transplantation in neurodegenerative disease [[electronic resource] ] : current status and new directions / / [editors Derek J. Chadwick and Jamie A. Goode]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 2000
ISBN	1-280-27263-5 9786610272631 0-470-66829-6 0-470-87082-6 0-470-87083-4
Descrizione fisica	1 online resource (335 p.)
Collana	Novartis Foundation symposium ; ; 231
Altri autori (Persone)	ChadwickDerek GoodeJamie
Disciplina	617.4/80592 617.4810952
Soggetti	Nerve tissue - Transplantation Central nervous system - Transplantation Nervous system - Degeneration 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 indexes.
Nota di contenuto	NEURAL TRANSPLANTATION IN NEURODEGENERATIVE DISEASE: CURRENT STATUS AND NEW DIRECTIONS; Contents; Participants; Introduction; Cell replacement strategies for neurodegenerative disorders; Discussion; Functional analysis of fronto-striatal reconstruction by striatal grafts; Discussion; Functional reconstruction of the hippocampus: fetal versus conditionally immortal neuroepithelial stem cell grafts; Discussion; Gene transfer for neuroprotection in animal models of Parkinson's disease and amyotrophic lateral sclerosis; Discussion Repair of corticospinal axons by transplantation of olfactory ensheathing cellsDiscussion; Neural transplantation in Parkinson's disease; Discussion; Transplantation of human fetal striatal tissue in

Huntington's disease: rationale for clinical studies; Discussion; General discussion I Prospects for fetal transplants; Neurotransplantation in neurodegenerative disease: a survey of relevant issues in developmental neurobiology; Discussion; Molecular and cellular mechanisms in immune rejection of intracerebral neural transplants; Discussion; Porcine neural xenografts: what are the issues? Discussion Gene transfer techniques for the delivery of GDNF in Parkinson's disease; Discussion; Neurogenesis in the adult hippocampus; Discussion; Neural stem cells are uniquely suited for cell replacement and gene therapy in the CNS; Discussion; Functional repair with neural stem cells; Discussion; Remyelinating the demyelinated CNS; Discussion; General discussion II The ES cell approach; Final discussion The future for fetal grafts; Stem cell strategies; Index of contributors; Subject index

---

Sommario/riassunto

The field of neural transplantation is at a crucial stage, with important clinical trials on transplantation in patients with Parkinson's disease nearing completion and novel, alternative approaches to fetal transplantation being developed. This timely book brings together leading neuroscientists, clinicians, and cell and developmental biologists to discuss the use of neural transplants in neurodegenerative disorders, such as Parkinson's disease, Huntington's chorea, amyotrophic lateral sclerosis, multiple sclerosis and spinal cord injury. There is also extensive coverage of the potential a

---