

1. Record Nr.	UNINA9910144011503321
Titolo	Growth factors as drugs for neurological and sensory disorders [[electronic resource] /] / [editors, Gregory R. Bock (organizer) and Jamie A. Goode]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1996
ISBN	1-282-12246-0 9786612122460 0-470-51486-8 0-470-51487-6
Descrizione fisica	1 online resource (265 p.)
Collana	Ciba Foundation symposium ; ; 196
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Disciplina	599.08265 616.8/0461
Soggetti	Nervous system - Degeneration - Chemotherapy Nerve growth factor - Therapeutic use Neurotrophin - Therapeutic use Growth factors - Therapeutic use Afferent pathways - Diseases - Chemotherapy Sensory disorders - Chemotherapy Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Papers presented at a symposium held at the Ciba Foundation, London, 25-27 April 1995.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	GROWTH FACTORS AS DRUGS FOR NEUROLOGICAL AND SENSORY DISORDERS; Contents; Participants; Introduction; Motor neuron disease and model systems: aetiologies, mechanisms and therapies; Potential utility of rhIGF-1 in neu romuscular and/or degenerative disease; Therapeutic potential of the n e u rot ro p h i n s and n e u rot ro p h i n-C NT F combinations in peripheral neuropathies and motor neuron diseases; Development of neurotrophic factor therapy for Alzheimer's disease Growth factor function in the development and maintenance of

midbrain dopaminergic neurons: concepts, facts and prospects for TGF- β Somatic gene therapy for nervous system disease; Neurotrophic factors in the treatment of peripheral neuropathy; General discussion I; Growth factors in the treatment of degenerative retinal disorders; Effects of neurotrophins on the survival and regrowth of injured retinal neurons; Neurotrophic factors as pharmacological agents for the treatment of injured auditory neurons; Growth factors as potential drugs for the sensory epithelia of the ear
Factors affecting neuronal birth and death in the mammalian olfactory epithelium The problems of delivering neuroactive molecules to the CNS; Closing remarks; Index of contributors; Subject index

Sommario/riassunto

Degeneration of sensory receptors or of the nerves innervating them leads to a sensory deficit. Various strategies have been tried for promoting regrowth of sensory receptors, particularly in the eye and ear. The latest data from experimental studies in animals are presented in the book including applications of BDNF and CNTF in the eye and epidermal growth factor in the ear.
