

1. Record Nr.	UNINA9910830687303321
Titolo	Selective neuronal death [[electronic resource]]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1987
ISBN	1-282-34580-X 9786612345807 0-470-51342-X 0-470-51343-8
Descrizione fisica	1 online resource (284 p.)
Collana	Ciba Foundation symposium ; ; 126
Altri autori (Persone)	BockGregory O'ConnorMaeve
Disciplina	611 611.01815
Soggetti	Neurons Cell death Nervous system - Degeneration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Editors: Gregory Bock and Maeve O'Connor. Papers from a symposium on selective neuronal death, held at the Ciba Foundation, London, 15-17 Apr. 1986. "A Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	SELECTIVE NEURONAL DEATH; Contents; Participants; Introduction; Nerve cell death in degenerative diseases of the central nervous system: clinical aspects; Dysfunction and death of neurons in human degenerative neurological diseases and in animal models; Neuronal origin of cerebral amyloidogenic proteins: their role in Alzheimer's disease and unconventional virus diseases of the nervous system; Mechanisms for programmed cell death in the nervous system of a moth; Neurotrophic factors and neuronal death; Muscle activity and motor neuron death in the spinal cord of the chick embryo Remodelling of early axonal projections through the selective elimination of neurons and long axon collaterals Trophic and growth-regulating mechanisms in the central nervous system monitored by intracerebral neural transplants; Cytoskeletal abnormalities in long-term embryonic CNS transplants isolated within peripheral nerve;

Hormonal control of cell death in a sexually dimorphic song nucleus in the zebra finch; Kainic acid: insights into excitatory mechanisms causing selective neuronal degeneration; Endogenous excitotoxic agents

Discovery and partial characterization of primate motor-system toxins
The significance of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine;
Summary; Index of contributors; Subject index

Sommario/riassunto

Parkinson's disease, Alzheimer's disease, and motor neuron disease share a significant common feature: selective death of neurons in restricted regions of the brain. This international symposium, held by the Ciba Foundation in 1986, is the first to bring together neurophysiologists working on neuronal death and neuropathologists dealing with human degenerative brain disease. Participants describe the causes and sequence of events leading to neuronal death and discuss what can be done to prevent it. Among the topics covered are recent advances in the understanding of agents such as trophic factors
