

1. Record Nr.	UNINA9910876518203321
Titolo	Novel infectious agents and the central nervous system
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1988
ISBN	1-282-34597-4 9786612345975 0-470-51361-6 0-470-51362-4
Descrizione fisica	1 online resource (290 p.)
Collana	Ciba Foundation symposium ; ; 135
Disciplina	616.8 616.83
Soggetti	Central nervous system - Diseases - Etiology Scrapie Prions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication." Papers and discussions from the Symposium on Novel Infectious Agents and the Central Nervous System, held at the Ciba Foundation, London, June 30-July 2, 1987.
Nota di bibliografia	Includes bibliographies and indexes.
Nota di contenuto	NOVEL INFECTIOUS AGENTS AND THE CENTRAL NERVOUS SYSTEM; Contents; Participants; Introduction; The clinical neurology and epidemiology of Creutzfeldt-Jakob disease, with special reference to iatrogenic cases; Neuropathology of unconventional virus infections: molecular pathology of spongiform change and amyloid plaque deposition; Pathogenesis of experimental scrapie; Genetic aspects of unconventional virus infections: the basis of the virino hypothesis; Genetic control of prion incubation period in mice; Developmental regulation of prion protein mRNA in brain Potential involvement of retroviral elements in human dementias Scrapie: a virus-induced amyloidosis of the brain; Scrapie-associated fibrils, PrP protein and the Sinc gene; A modified host protein model of scrapie; Properties of scrapie prion proteins in liposomes and amyloid rods; In vitro expression of cloned PrP cDNA derived from scrapie-infected mouse brain: lack of transmission of

scrapie infectivity; Search for a scrapie-specific nucleic acid: a progress report; Pathogenesis of amyloid formation in Alzheimer's disease, Down's syndrome and scrapie
Novel mechanisms of degeneration of the central nervous system - prion structure and biology
Final general discussion; Summary; Index of contributors; Subject index

Sommario/riassunto

The term "unconventional virus" refers to virus-like agents that differ from conventional viruses in significant respects--resistance to agents that inactivate normal viruses, for example. Certain rare and fatal neurological disorders, such as the Creutzfeldt-Jacob syndrome and the Gerstmann-Straussler syndrome, are clearly produced by virus-like infectious agents, but the nature of these agents is not understood. This volume brings together the latest information on one such disease: Scrapie, a disease occurring in sheep. It discusses the nature of this infectious agent and insights gained
