

1. Record Nr.	UNINA9910841535103321
Titolo	Neuronal and cognitive effects of oestrogens [[electronic resource]]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 2000
ISBN	1-280-27262-7 9786610272624 0-470-49112-4 0-470-87080-X 0-470-87081-8
Descrizione fisica	1 online resource (294 p.)
Collana	Novartis Foundation symposium ; ; 230
Disciplina	572 612.405 612.6/2
Soggetti	Estrogen - Physiological effect Neuroendocrinology Neurohormones
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Symposium on Neuronal and Cognitive Effects of Oestrogens, held at the Novartis Foundation, London, 7-9 September 1999"--P. v.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	NEURONAL AND COGNITIVE EFFECTS OF OESTROGENS; Contents; Participants; Chairman's introduction; Mechanism of oestrogen signalling with particular reference to the role of ERb in the central nervous system; Discussion; Oestrogen receptor function at classical and alternative response elements; Discussion; General discussion I; Nuclear receptor versus plasma membrane oestrogen receptor; Discussion; Novel sites and mechanisms of oestrogen action in the brain; Discussion; Oestrogen modulation of noradrenaline neurotransmission; Discussion Oestrogen and the cholinergic hypothesis: implications for oestrogen replacement therapy in postmenopausal womenDiscussion; Ovarian steroid action in the serotonin neural system of macaques; Discussion; Oestrogen effects on dopaminergic function in striatum; Discussion; General discussion II; Oestrogen effects in olivo-cerebellar and hippocampal circuits; Discussion; Effects of oestradiol on hippocampal

circuitry; Discussion; Oestrogen and cognitive function throughout the female lifespan; Discussion; Neuroprotective effects of phenolic A ring oestrogens; Discussion

The female sex hormone oestrogen as neuroprotectant: activities at various levels Discussion; Neurohormonal signalling pathways and the regulation of Alzheimer b-amyloid metabolism; Discussion; Oestrogens and dementia; Discussion; Index of contributors; Subject index

Sommario/riassunto

Although normally thought of as a sex hormone, recent research has highlighted the numerous and significant effects that oestrogen has on the CNS, extending far beyond its important reproductive role. It has been shown that oestrogen acts as a neural growth factor with important influences on the survival, plasticity, regeneration and ageing of the mammalian brain. This exciting book brings together leading clinicians and researchers to discuss oestrogen's basic mechanisms of action, the extrahypothalamic brain regions it affects, and its influence on cognitive functions in animals and h
