

1. Record Nr.	UNINA9910143270803321
Titolo	Animal models of cognitive impairment // edited by Edward D. Levin, Jerry J. Buccafusco
Pubbl/distr/stampa	Boca Raton, : CRC/Taylor & Francis, 2006
ISBN	9786610516469 9781040203002 1040203000 9780429129452 0429129459 9781280516467 1280516461 9781420004335 1420004336
Descrizione fisica	1 online resource (395 p.)
Collana	Frontiers in neuroscience
Altri autori (Persone)	LevinEdward D BuccafuscoJerry J
Disciplina	616.8
Soggetti	Cognition disorders - Animal models
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 index.
Nota di contenuto	Front Cover; Preface; About the Editors; Contributors; Contents; List of Illustrations; 1. Introduction; 2. Muscarinic Receptor Antagonists in Rats; 3. Nicotinic Receptor Antagonists in Rats; 4. Involvement of the NMDA System in Learning and Memory; 5. Animal Models and the Cognitive Effects of Ethanol; 6. Animal Models of Cognitive Impairment Produced by Developmental Lead Exposure; 7. Developmental Behavioral Toxicity of Methylmercury: Consequences, Conditioning, and Cortex 8. Executive Function following Developmental Exposure to Polychlorinated Biphenyls (PCBs): What Animal Models Have Told Us9. Modeling Cognitive Deficits Associated with Parkinsonism in the Chronic-Low-Dose MPTP-Treated Monkey; 10. Cognitive Impairment in Transgenic Mouse Models of Amyloid Deposition; 11. Cholinergic Receptor Knockout Mice; 12. Assessments of Cognitive Deficits in

Mutant Mice; 13. Cognitive Pharmacology in Aging Macaques; 14. Cognitive Impairment following Traumatic Brain Injury; 15. Cognitive Impairment Models Using Complementary Species  
16. Cognition Models and Drug DiscoveryIndex

---

Sommario/riassunto

The costs associated with a drug's clinical trials are so significant that it has become necessary to validate both its safety and efficacy in animal models prior to the continued study of the drug in humans. Featuring contributions from distinguished researchers in the field of cognitive therapy research, *Animal Models of Cognitive Impairment* examines some of the most popular and successful animal archetypes used in the context of drug discovery. It provides integrated coverage of the latest research concerning neuronal systems relevant to cognitive function and dysfunction, assimi

---