Behavioral Neurobiology of Huntington's Disease and Parkinson's Disease [

Nguyen, Hoa Huu Phuc
Cenci, M. Angela

Springer Berlin Heidelberg,
2015

Monografía

Motor dysfunction and cognitive impairment are major symptoms in both Huntington's Disease (HD) and Parkinson's Disease (PD). A breakthrough in HD research occurred in 1993, with the identification of the gene causing this devastating monogenetic illness. Since 1996, several genes were reported to cause familial forms of PD. Following these genetic discoveries, a variety of genetic disease models were generated, providing completely novel opportunities to explore the neurobiological basis of HD and PD. Genetic models allow us to study the earliest manifestations of the diseases both behaviorally and neuropathologically, and provide tools to probe molecular pathways of neurodegeneration. Additionally, neurotoxic animal models allow us to reproduce neurochemical and cellular events of great pathophysiological importance. In the PD field, neurotoxic animal models remain the preferred option to reproduce symptomatic features of the human disease that are responsive to dopaminergic pharmacotherapies. In addition, neurotoxic PD models are often used to investigate pathways of mitochondrial dysfunction, oxidative stress, and neuroinflammation. This book provides up-to-date reviews on current animal models of both HD and PD. These animal models are essential to investigate links between the pathobiology and the behavioral abnormalities associated with these disorders

Título: Behavioral Neurobiology of Huntington's Disease and Parkinson's Disease Recurso electrónico] edited by Hoa Huu Phuc Nguyen, M. Angela Cenci

Editorial: Berlin Heidelberg Springer Berlin Heidelberg 2015

Descripción física: XIII, 397 p. 95 il., 25 il. col

Mención de serie: Current Topics in Behavioral Neurosciences 22 Springer eBooks

Detalles del sistema: Forma de acceso: World Wide Web

ISBN: 9783662463444

Autores: Nguyen, Hoa Huu Phuc Cenci, M. Angela

Entidades: SpringerLink

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es