



Molecular Mechanisms of Neurodegenerative Diseases

By -

Humana Press Inc., United States, 2010. Paperback. Book Condition: New. 1st ed. Softcover of orig. ed. 2001. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The field of neurodegenerative diseases is undergoing an unprecedented revolution. The past decade has seen the identification of new mutation mechanisms, such as triplet repeat expansions, and new genes causing familial forms of common neurodegenerative diseases, such as Parkinson's and Alzheimer's diseases. Cellular and animal models based on this genetic information are now available and, importantly, common mechanisms are rapidly emerging among diseases that were once considered unrelated. The field is poised for the development of new therapies based on high throughput screenings and a better understanding of the molecular and cellular mechanisms leading to neurodegeneration. Molecular Mechanisms of Neurodegenerative Diseases reviews recent progress in this exploding field. By nature, such a book cannot be all inclusive. It focuses on Alzheimer's, Parkinson's, and CAG triplet repeat diseases. In the first chapter, Bill Klein reviews the role of A β toxicity in the pathophysiology of Alzheimer's disease. This controversial issue is further examined in the context of transgenic models of Alzheimer's...



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