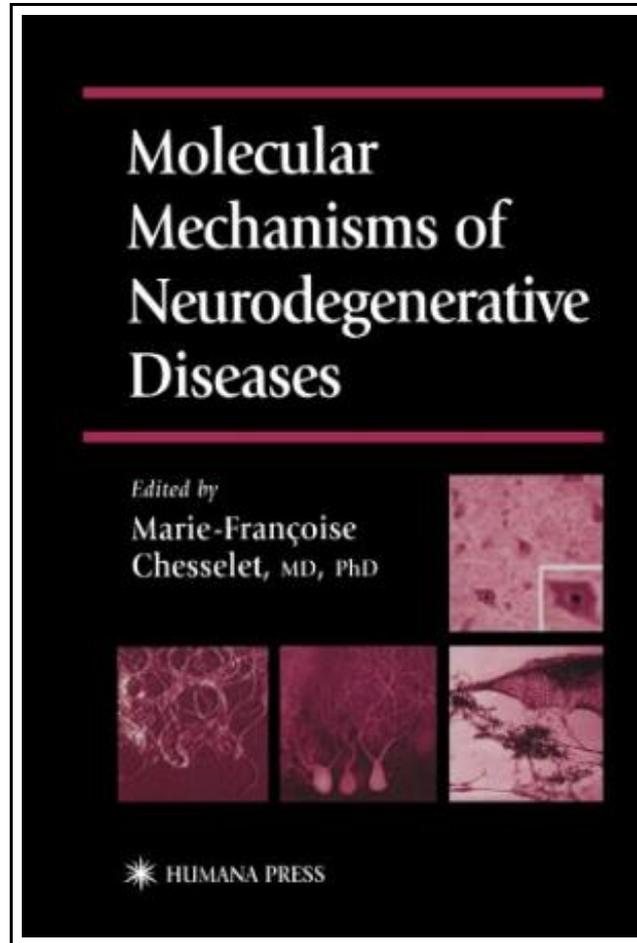


# Molecular Mechanisms of Neurodegenerative Diseases



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## ***Reviews***

*Thorough information! Its such a good study. Sure, it is perform, still an amazing and interesting literature. Once you begin to read the book, it is extremely difficult to leave it before concluding.*  
*(Evie Emmerich)*

## MOLECULAR MECHANISMS OF NEURODEGENERATIVE DISEASES



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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 $\beta$  toxicity in the pathophysiology of Alzheimer s disease. This controversial issue is further examined in the context of transgenic models of Alzheimer s disease by LaFerla and colleagues. Sue Griffin and Robert Mrazek, and Caleb Finch and collaborators, then examine the role of glial cells and inflammation in Alzheimer s disease; a review of the role of proteolysis in the generation of abnormal protein fragments by Hook and Mende-Mueller follows. Therapeutic opportunities offered by a better understanding of Alzheimer s disease pathophysiology are examined by Perry Molinoff and his colleagues at Bristol-Myers Squibb.



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