

## **Alzheimer's disease: role of APP beyond A $\beta$**

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### **Abstract**

The amyloid precursor protein (APP) is a central player in the pathogenesis of Alzheimer's disease (AD) since it is the only source of Amyloid  $\beta$  (A $\beta$ ), which forms pathologic aggregates in brains of AD individuals. Diverse mutations and duplications of APP gene are causal for a subset of early onset of familial Alzheimer's disease (FAD). Not surprisingly, the production and pathogenic effect of A $\beta$  has been the central focus in AD field. However, accumulating evidence indicates that APP is also involved in other aspects of the pathology. In this presentation, I will discuss evidence supporting the role of APP in AD neurodegeneration, along with a short historical overview of AD research.