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<https://dementievergeetjeniet.be/>



From Amyloid to Tau to Necroptosis: Piecing Together the Alzheimer's Disease Cascade



Amyloid pathology is merely the initiating trigger of Alzheimer's disease, rather than the driver as traditionally proposed by the amyloid hypothesis. The accumulation of amyloid plaques leads to a robust neuro-inflammatory response driven by microglia, which in turn induces Tau pathology and necroptosis. At each critical juncture, irreversible patho-logical transitions occur, underscoring the importance of therapeutic intervention timing. Conventional mouse models capture only limited aspects of this disease cascade. However, xenografts incorporating human-derived neurons and microglia offer a more accurate platform for studying disease progression and potential therapeutic strategies.