



APP-Tau bispecific peptide inhibitor for Alzheimer's Disease

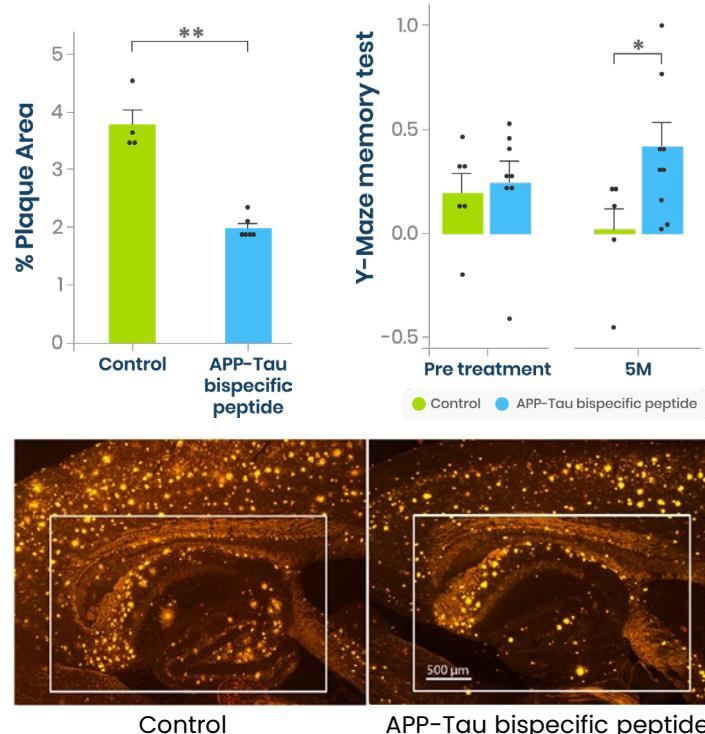


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The interaction between APP and Tau, two central drivers of Alzheimer's pathology, is increasingly recognized as a critical factor in disease progression.

We developed a bispecific peptide therapy that disrupts the APP-Tau interaction, leading to reduced amyloid plaque burden and improved cognitive function in 5xFAD Alzheimer's mice.

APP-Tau bispecific peptide reduced A β plaques and improved cognitive function in Alzheimer mice



APPLICATIONS

- Disease-modifying treatment for Alzheimer's disease
- Preventive therapy for individuals at risk of developing AD
- Potential use in other neurodegenerative diseases involving protein aggregation

DEVELOPMENT STAGE

- Binding inhibition validated *in vitro*
- In vivo* validation in 5xFAD Alzheimer mice showing reduced hippocampal plaque load and improved cognitive function

DIFFERENTIATION

- Restores cognitive function, even after disease onset
- Targets APP-Tau interaction, a key driver of Alzheimer's
- Potential for non-invasive nasal administration

REFERENCES

- [Maron et al., 2023, Int J Mol Sci](#)

