Treating Alzheimer’s Disease by blocking TGF-β signaling

**OCR Number:** OCR 5007

**Description:**

- Blocking the transforming growth factor-β (TGF-β) pathway in peripheral macrophages can significantly clear up β-amyloid plaques in brain.
- These results provide the basis for a novel therapeutic intervention for Alzheimer’s disease by blockade of TGF-β-Smad2/3 signaling in peripheral macrophages.
- Blockade of TGF-β works peripherally without the need to enter the brain and thereby overcoming the blood-brain barrier roadblock.

**Published/Issued Patents:**


**Publications:**

Licensing Contact: Hong Peng
hong.peng@yale.edu