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:**

- U.S. Pub. App. No. 20110136892

**Publications:**


http://www.sciencedaily.com/releases/2008/05/080530132216.htm

http://news.bbc.co.uk/2/hi/health/7427541.stm