Treating Alzheimer’s Disease by blocking TGF-? signaling

**OCR Number:** OCR 5007

**Description:**

- Blocking the transforming growth factor-? (TGF-?) pathway in peripheral macrophages can significantly clear up ?-amyloid plaques in brain.
- These results provide the basis for a novel therapeutic intervention for Alzheimer’s disease by blockade of TGF-?-Smad2/3 signaling in peripheral macrophages.
- Blockade of TGF-? 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://www.sciencedaily.com/releases/2008/05/080530132216.htm)

[http://news.bbc.co.uk/2/hi/health/7427541.stm](http://news.bbc.co.uk/2/hi/health/7427541.stm)
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