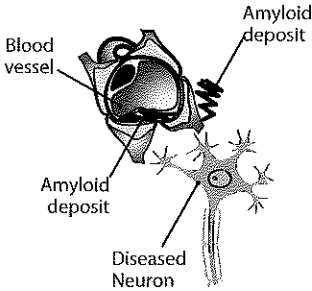
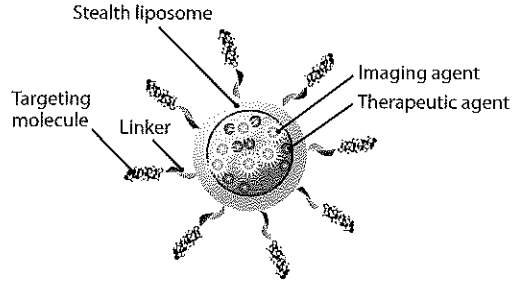


A Alzheimer's Disease

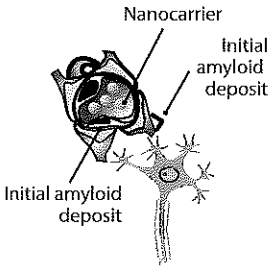


B Multifunctional Nanocarrier

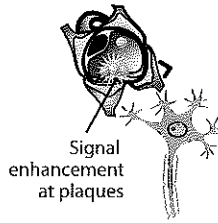


C The Peek-and-Treat Approach

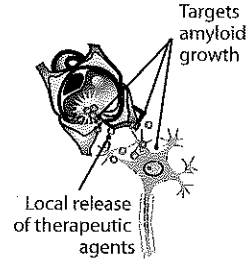
Administration



Binding



Drug Delivery



A. Amyloid is believed to be a precipitating cause of Alzheimer's disease. It is produced by neurons, and accumulates in places in blood vessels and outside of cells in the brain.
B. Multifunctional nanocarriers use a targeting molecule to bind to amyloid lesions, and contain imaging and therapeutic agents. **C.** The Peek-and-Treat approach for Alzheimer's disease allows us to simultaneously image plaques in living patients using MRI, at a resolution far exceeding current capabilities, and to selectively deliver a nearly unlimited of therapeutic agents to plaques and diseased cells.