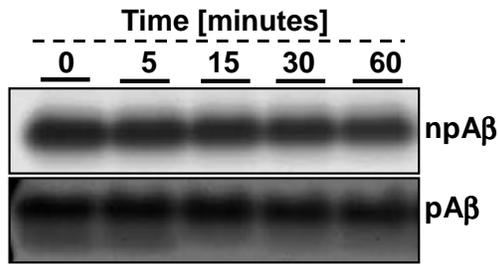
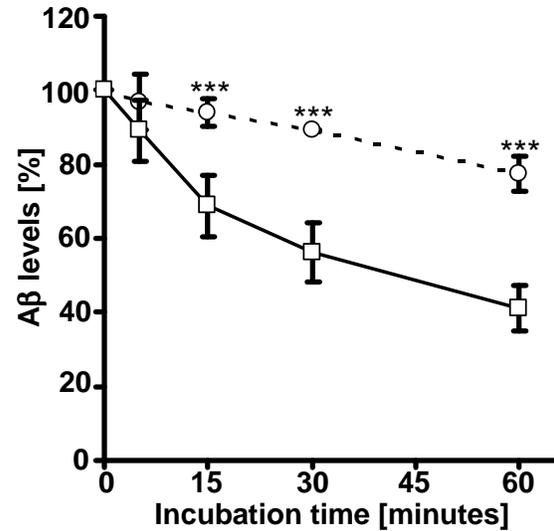


## Supplementary Figure 1

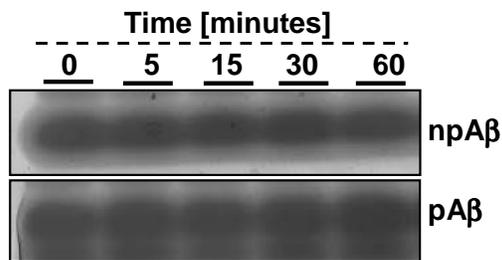
A



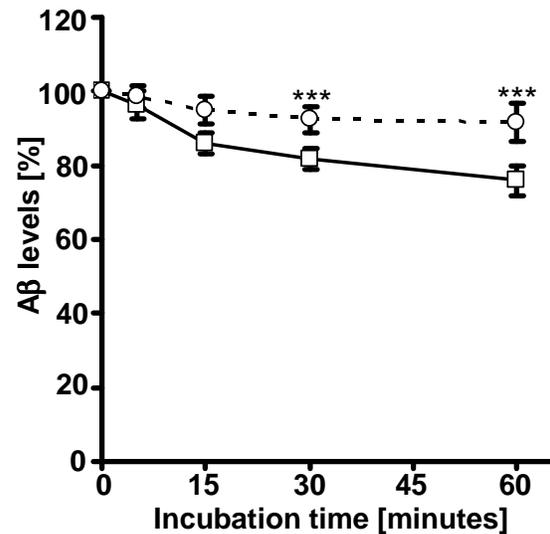
B



C



D



**Supplementary Fig. 1: *In vitro* degradation of Aβ variants in cerebrospinal fluid (CSF)**  
CSF samples were obtained from the Neurology Clinic (University of Bonn) in accordance with the laws and the permission of the local ethical committee. Synthetic npAβ and pAβ peptides were dissolved in IDE assay buffer (**A and B**) or in human CSF (**C and D**) with purified IDE and incubated at 37°C. Sample aliquots of the reaction mixture were collected at indicated time intervals and analyzed by SDS-PAGE and silver staining. The degradation of both Aβ variants is significantly reduced in CSF as compared to the IDE reaction buffer. Of note, phosphorylation of Aβ also significantly reduced its degradation in the CSF (**C and D**). Values represent mean ± SD (n=3). \*\*\*, p<0.001 (*t test*)

## Supplementary Figure 2

