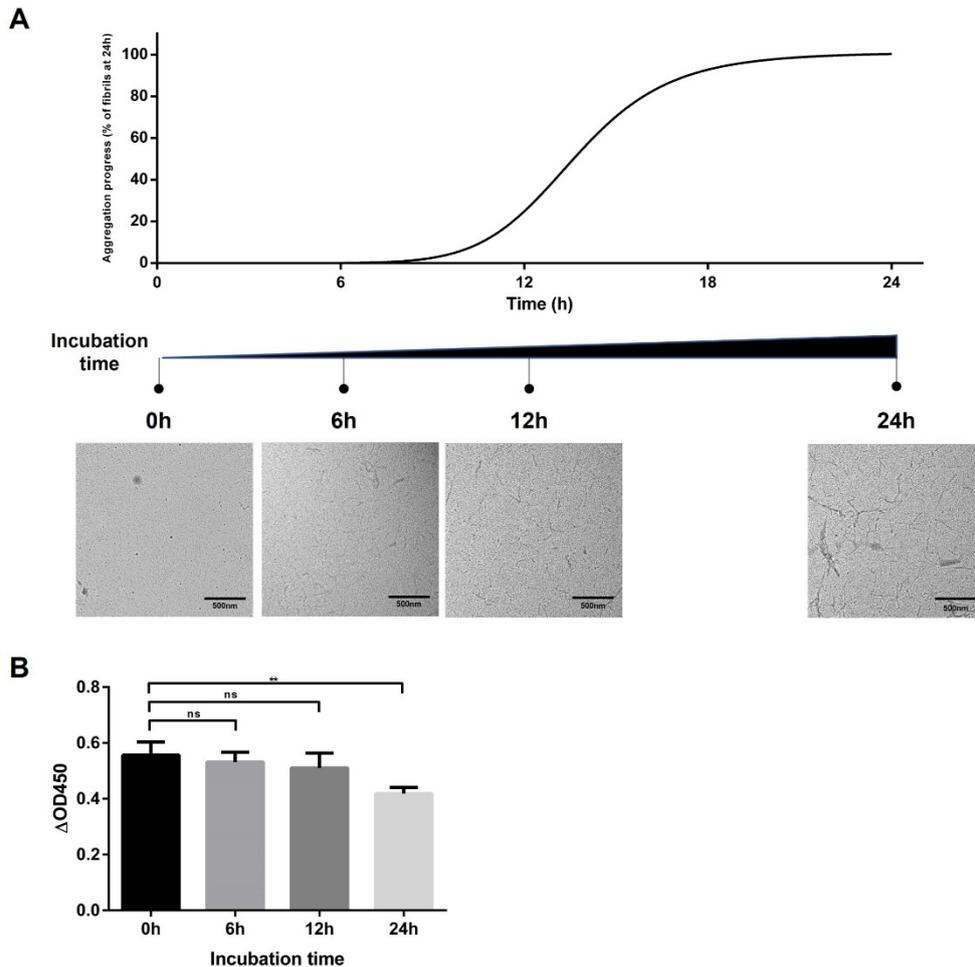


## Supplementary data



**Figure S1.** The TEM image of each time point during the amyloid aggregation process and determination of its signal via a developed protocol.

To confirm that the peptide binds to which of the various conformers of A $\beta$ 42, we performed TEM and checked the exact state of aggregation of A $\beta$ 42 at several time points throughout the aggregation process as described in a previous study [1]. Although the amount of fibril of Ab42 kept increasing with time, the signal by the peptide reached a plateau during the procedure and didn't go up any further, with a slight decline at the end. We think that it is because excessive aggregation of Ab42 makes the peptide hard to bind.

### Reference

[1] W. B. Stine, L. Jungbauer, C. Yu, M. J. Ladu, Preparing synthetic A $\beta$  in different aggregation states. *Methods Mol Biol.* **2011**, 670, 13–32. doi:10.1007/978-1-60761-744-0\_2.