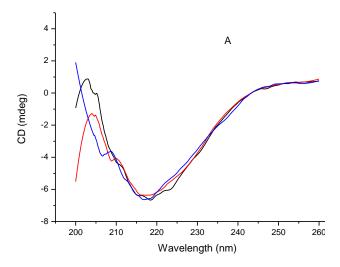
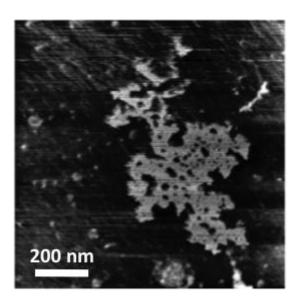
## SUPPLEMENTARY INFORMATION



2 -0 -2 В CD (mdeg) -6 -8 -10 -12 -14 -16 210 220 230 240 250 200 Wavelength (nm)

Figure S1. CD spectra of three independent freshly (t=0) A $\beta$ 42samples prepared according to procedure A (A) or B (B).



<sup>5</sup> Figure S2. Magnification of the box marked SFM image in Figure 3a).

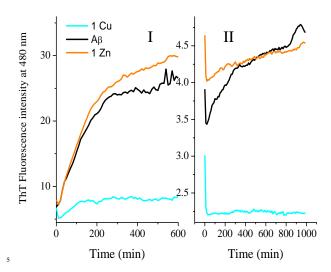


Figure S3. Fiber growth curves of A $\beta$ 42 15  $\mu$ M in 2 mM NEM/10 mM Na<sub>2</sub>SO<sub>4</sub> in the absence and in the presence of Cu or Zn ions at a 1:1 metal to peptide molar ratio. A $\beta$  samples were prepared according to procedure B (I) or A (II).

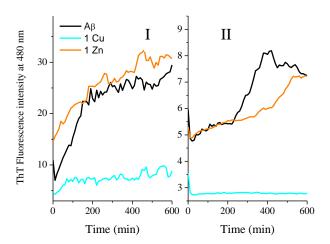


Figure S4. Fiber growth curves of A $\beta$ 42 15  $\mu$ M in aCSF in 5 the absence and in the presence of Cu or Zn ions at a 1:1 metal to peptide molar ratio. A $\beta$  samples were prepared according to procedure B (I) or A (II).