

Light-triggered Disassembly of Amyloid Fibrils

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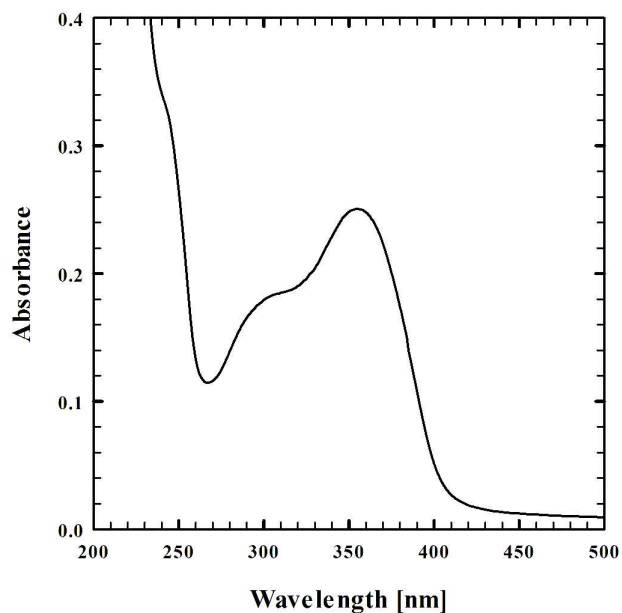


Figure S1: UV-Vis absorption spectrum of a 60 μM solution of F19K* in 50 mM phosphate buffer (pH 7), illustrating the absorption band of the cage, centered at 350 nm.

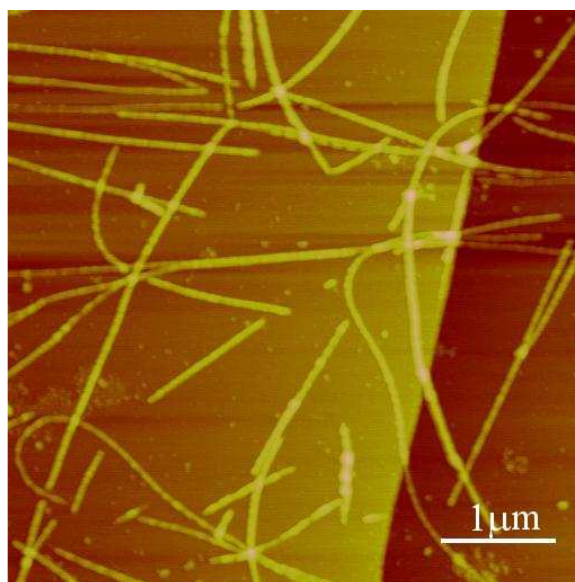


Figure S2: A representative AFM image of 100% F19K*, illustrating the capacity to form amyloid fibrils.

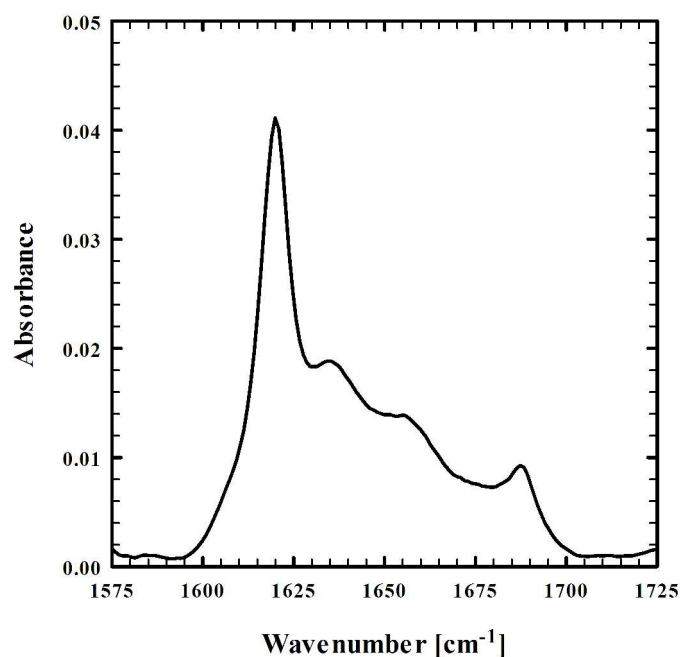


Figure S3: FTIR spectrum in the amide I' region of a 640 μM peptide solution in D_2O (pH 3), containing a 1:1 mixture of F19K* and wild-type $\text{A}\beta_{16-22}$, illustrating the capacity of F19K* to co-aggregate with an equal amount of the wild-type peptide.

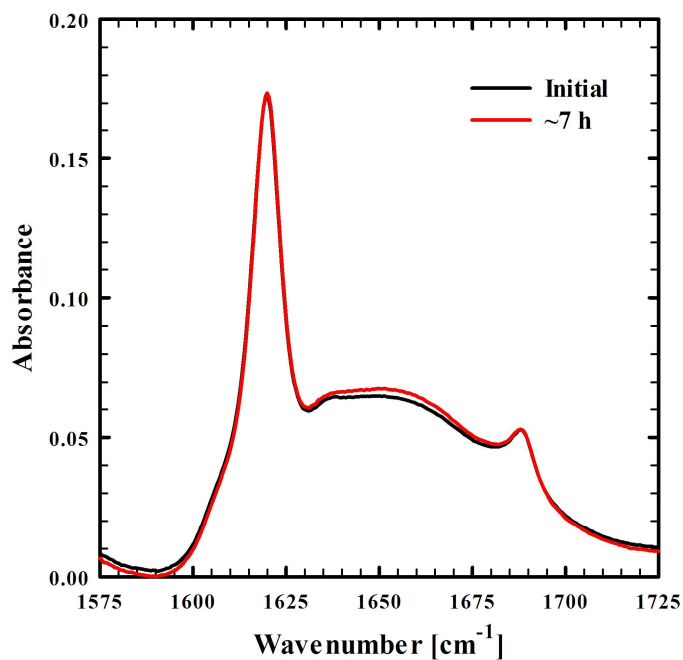


Figure S4: FTIR spectra (in the amide I' region) of a 1–2 mM solution (pH 2) of wild-type $\text{A}\beta_{16-22}$ before and after irradiation at 355 nm for the indicated amount of time.