

Supporting Information for

Fluorescent Nanofibrils Constructed by Self-Assembly of a Peptide Amphiphile with an Anionic Dye

Defeng Yu, Manli Deng, Chengqian He, Yaxun Fan, and Yilin Wang*

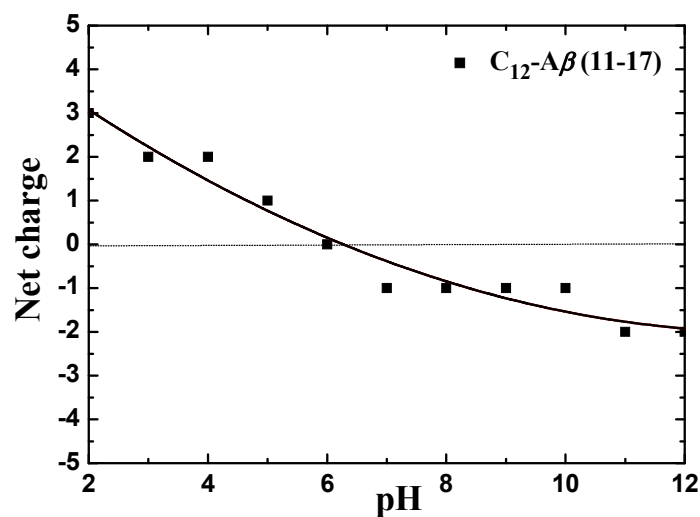


Figure SI1. Net charge of C_{12} -A β (11-17) at different pH in aqueous solution, estimated using the pKa values of the different amino acid groups.

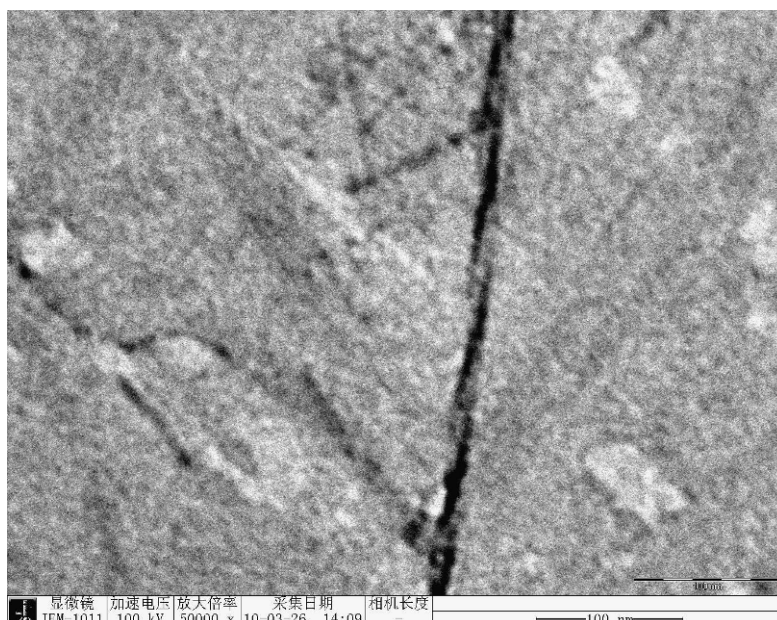


Figure SI2. TEM image of fluorescent nanofibrils in 0.05 mM TPE solution with 0.05 mM C_{12} -A β (11-17) at pH 6.0 with negative-staining method.

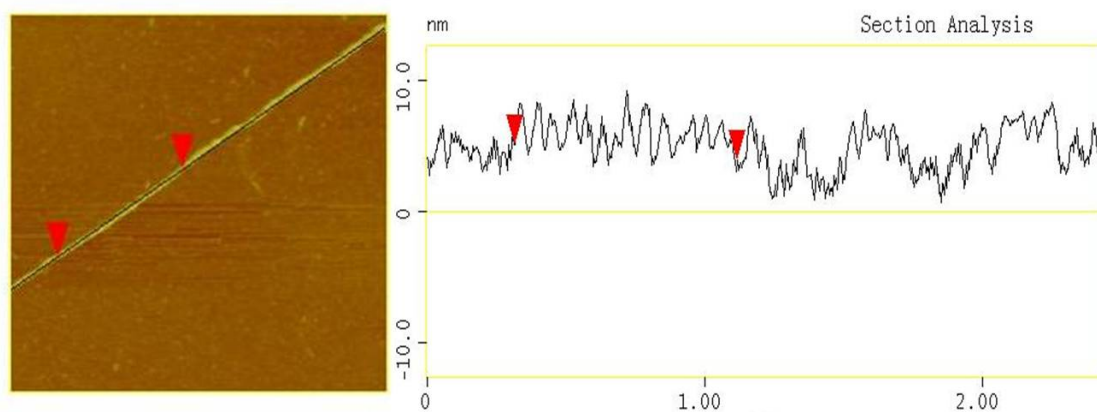


Figure SI3. AFM height image and section analysis of the fluorescent nanofibrils at pH 6.0. The AFM image is $2 \times 2 \mu\text{m}^2$ in size.

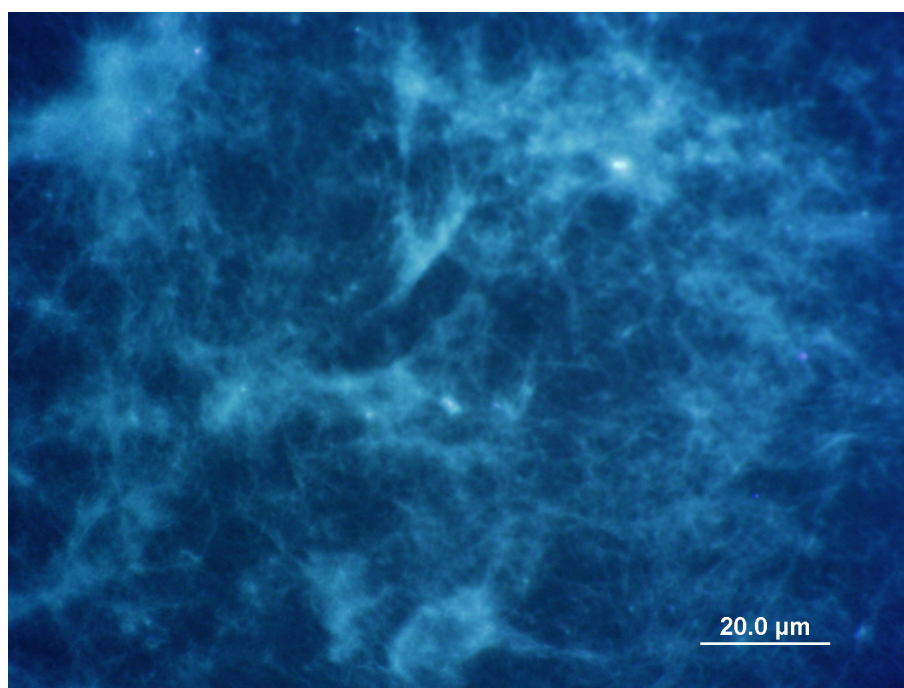


Figure SI4. Confocal laser scanning image of 1.0 mM TPE with 0.05 mM $\text{C}_{12}\text{-A}\beta(11-17)$ at pH 3.0 one week after preparation under mercury lamp illumination.

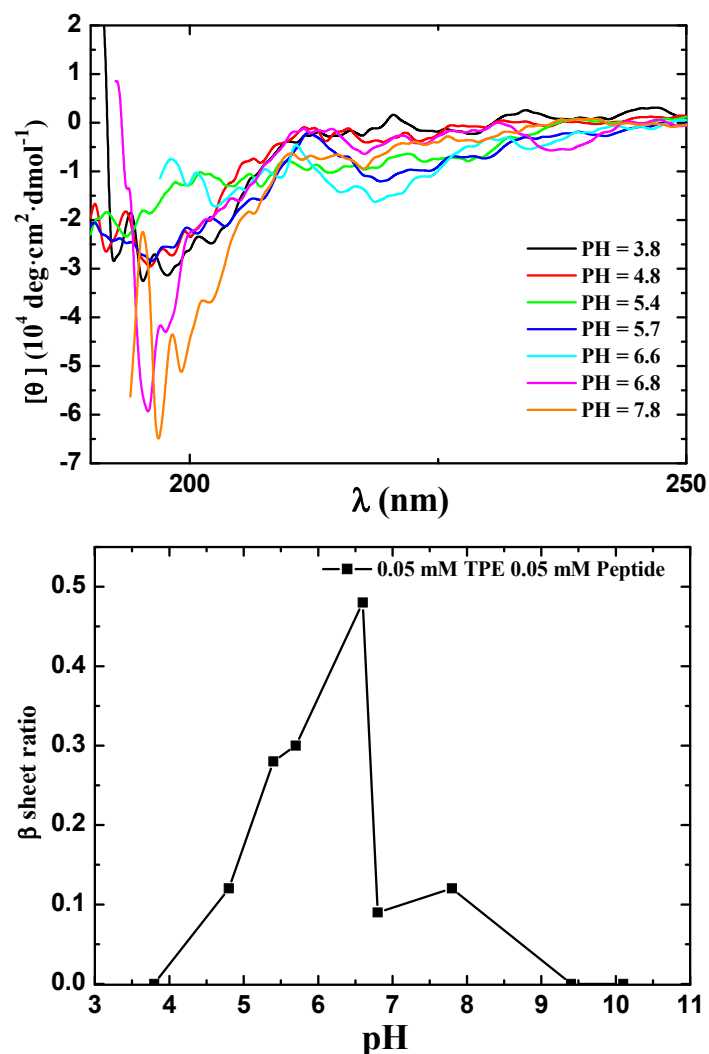


Figure S15. CD spectra of 0.05 mM C_{12} -A β (11-17) solutions with and without 0.05 mM TPE at different pH condition. The β -sheet ratio at different pH is analyzed according to the reference method (J. Am. Chem. Soc., 1998, 120, 11082).

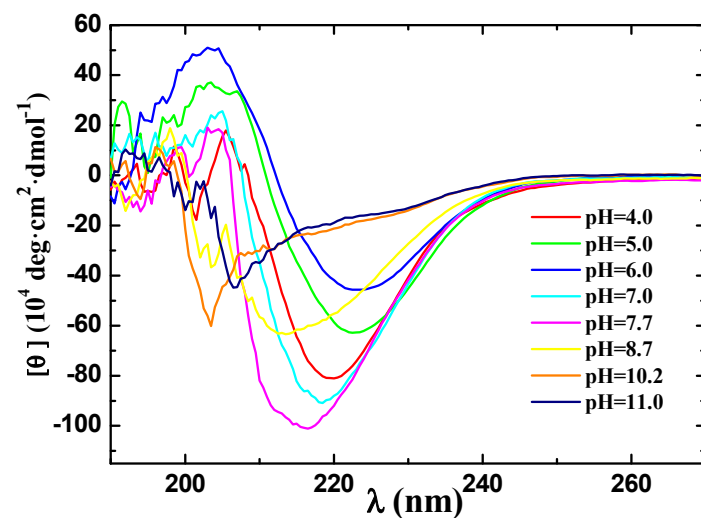


Figure S16. CD spectra of 1.0 mM C_{12} -A β (11-17) solutions with and without 0.05 mM TPE at different pH condition.