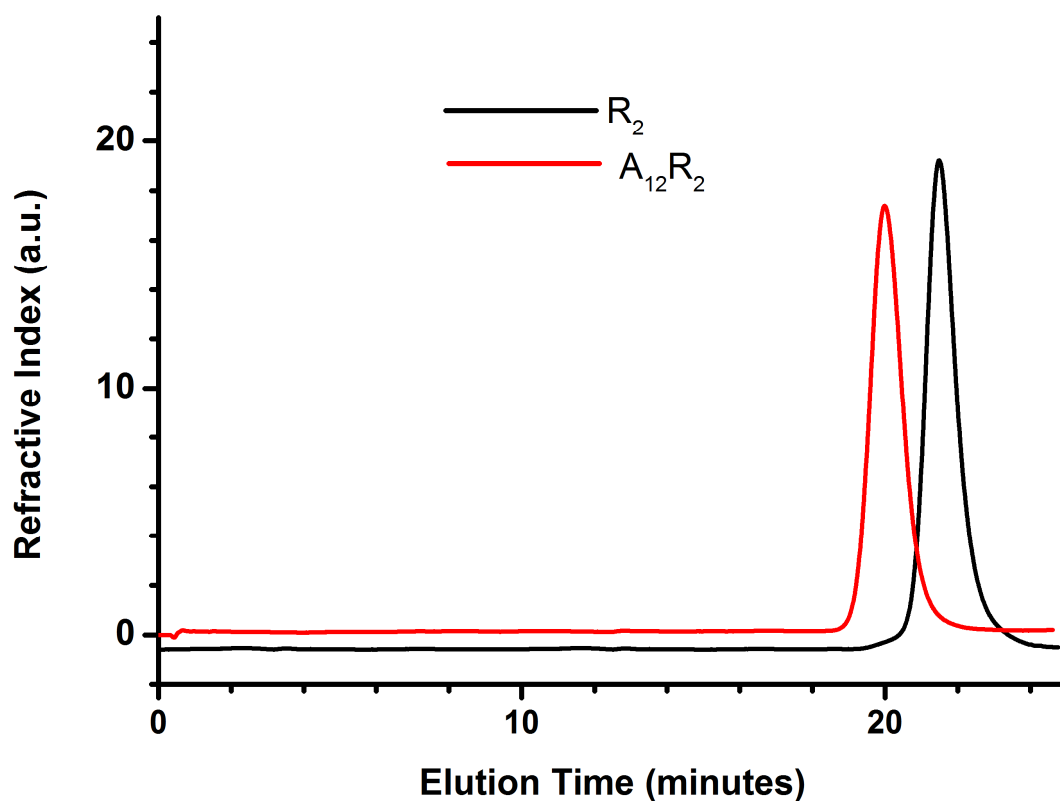
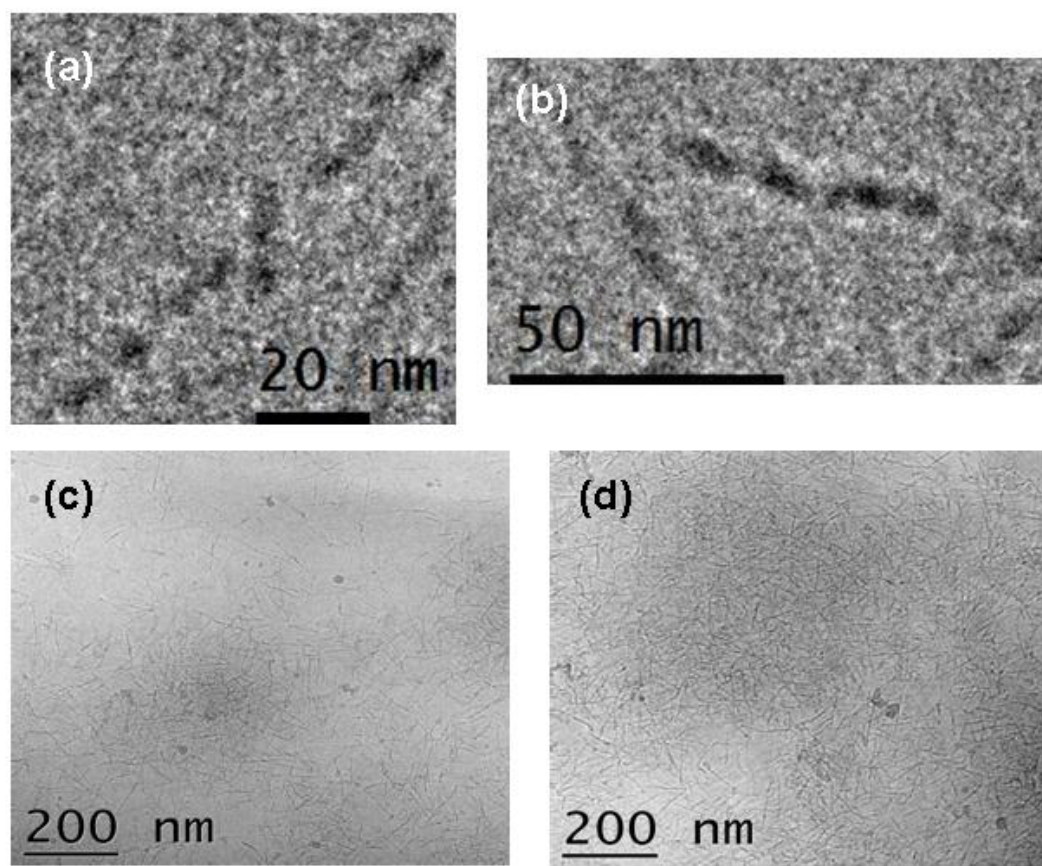


## Supporting Information. Self-Assembly of a Model Amphiphilic Peptide Incorporating an Arginine Headgroup

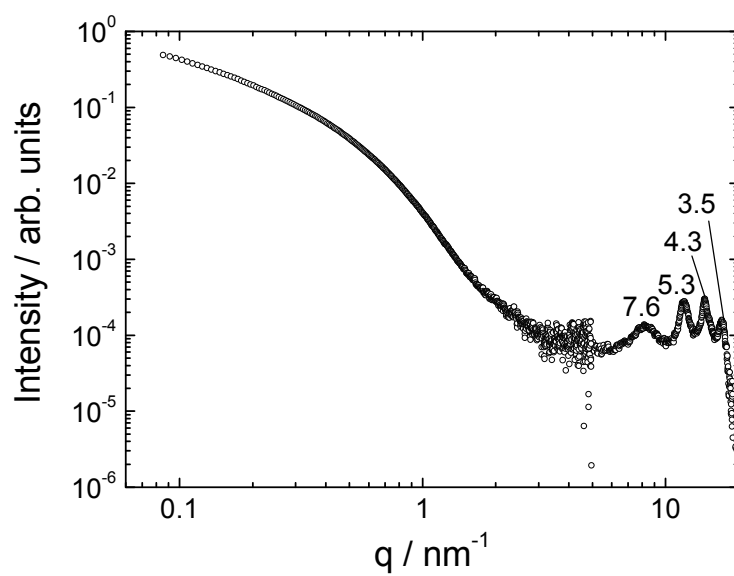
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**SI Figure 1.** SEC chromatograms of the  $R_2$  precursor along with the final oligopeptide.



**SI Fig.2.** Cryo-TEM images (a,b) Additional images showing twisting of fibrils, obtained from a 2 wt%  $A_{12}R_2$  sample, (c,d) images from a 5 wt%  $A_{12}R_2$  gel.



**SI Fig.3.** In situ synchrotron SAXS/WAXS profile for a 1 wt% solution of  $A_{12}R_2$ , with  $d$  spacings (in Å) of indicated WAXS reflections.