Electronic Supplementary Information for

Optical trapping for the characterization of amyloid-beta aggregation kinetics

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Figure S1A. Dark-field scattering image of the sample stage droplet containing Congo Red (50 μM)–Aβ42 (50 μM) complexes following 0 min of incubation in 50 mM PBS pH 7.4 at 37±1°C. Image depicts a clear solution containing mostly soluble amyloid species.

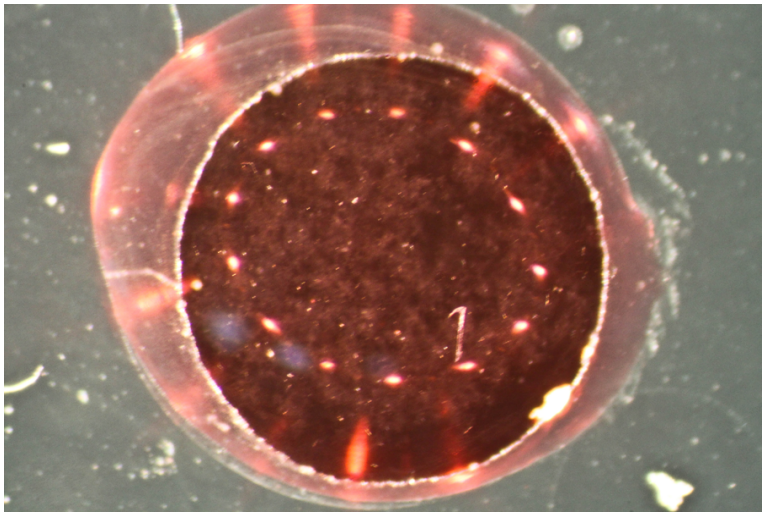

Figure S1B. Dark-field scattering image of the sample stage droplet containing Congo Red (50 μM)–Aβ42 (50 μM) complexes following 240 min of incubation in 50 mM PBS pH 7.4 at 37±1°C. Image depicts the accumulation of highly elongated insoluble amyloid structures.

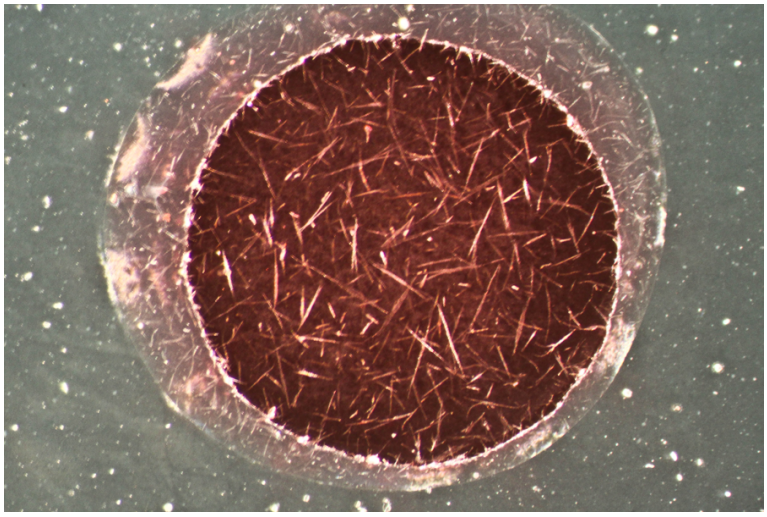

Figure S2. ThT fluorescence (λ_{EX} 440 nm, λ_{EM} 485) analysis of amyloid aggregation kinetics using 50 µM ThT and 50 µM Aβ42 incubating in 50 mM PBS, pH 7.4 at 37±1°C within a 96 microwell plate measured at various time intervals over 24 h (1440 min). Error bars denote the stand deviation measured for n = 3.