

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: **Representative movie of aggregation and uncaging of model drug (fluorescein) from UC-carriers by AU-FUS.** UC-carriers were infused into microdialysis tubing while a sequence similar to AU₃-FUS (in vitro) was applied [for visualization purposes, t_A (ms), t_U (ms), P_U (MPa), and NOC were changed to 1.8s, 180 ms, 1MPa, and 10000 cycles, respectively].