

Supplementary Materials: Systematic Degradation Rate Analysis of Surface-functionalized Porous Silicon Nanoparticles

Rae Hyung Kang ^{1,†}, Seo Hyeon Lee ^{1,†}, Sangrim Kang ^{1,2,†}, Jinyoung Kang ³, Junho K Hur ^{2,*} and Dokyoung Kim ^{1,4,5,6,*}

Table S1. Media composition. Abbreviation: DMEM; Dulbecco's modified Eagle medium, LB; lysogeny broth, and BHI; brain heart infusion.

Media	DMEM	LB	BHI
Composition	4.0 mM L-Glutamine 4500 mg/L Glucose Sodium Pyruvate	Tryptone Yeast Extract Sodium Chloride	Calf Brain, Infusion Beef Heart, Infusion Proteose peptone Sodium Chloride Disodium Phosphate
pH	7.4	7.0 ± 0.2	7.4 ± 0.2

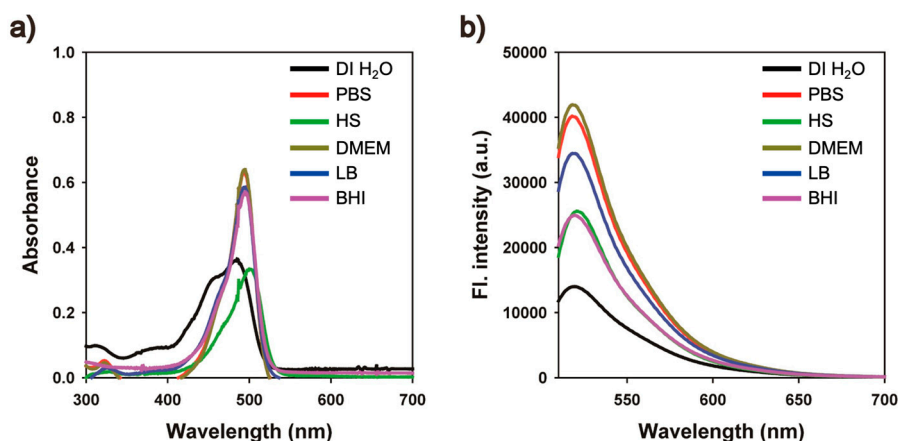


Figure S1. (a) UV/Vis absorption and (b) fluorescence spectra (λ_{ex} : 495 nm) of triethoxysilane-PEG-FITC (100 µg/mL) in deionized water (DI H₂O), phosphate-buffered saline (PBS), human serum (HS), Dulbecco's modified Eagle medium (DMEM), lysogeny broth (LB), and brain heart infusion (BHI) at 25 °C.

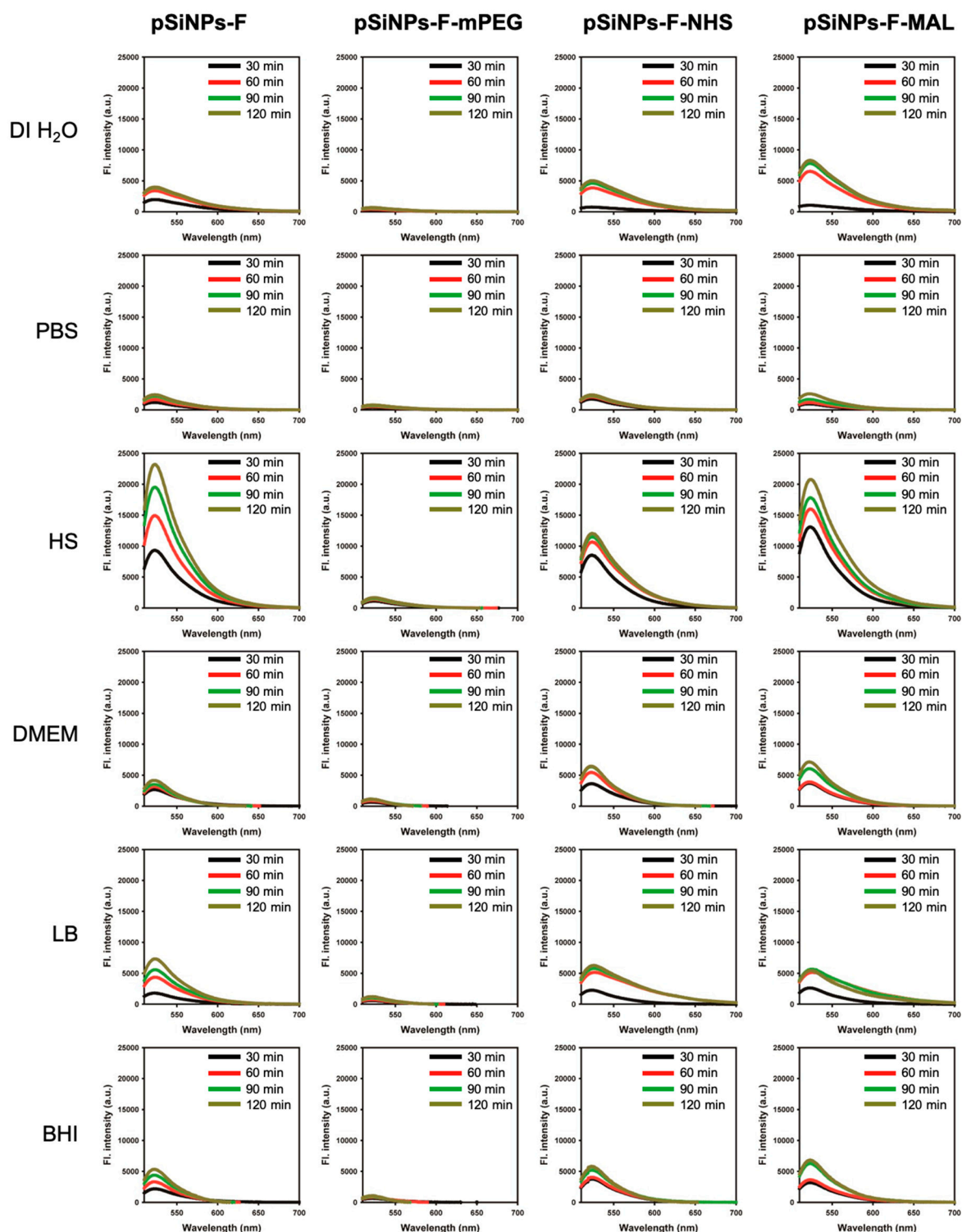


Figure S2. Time-dependent fluorescence spectra (λ_{ex} : 495 nm) of the supernatant from pSiNPs samples (100 µg/mL) in deionized water (DI H₂O), phosphate-buffered saline (PBS), human serum (HS), Dulbecco's modified Eagle medium (DMEM), lysogeny broth (LB), and brain heart infusion (BHI) at 25 °C for 0–120 min. The supernatant was collected after the centrifugation (15,000 rpm, 15 min) at given time point.