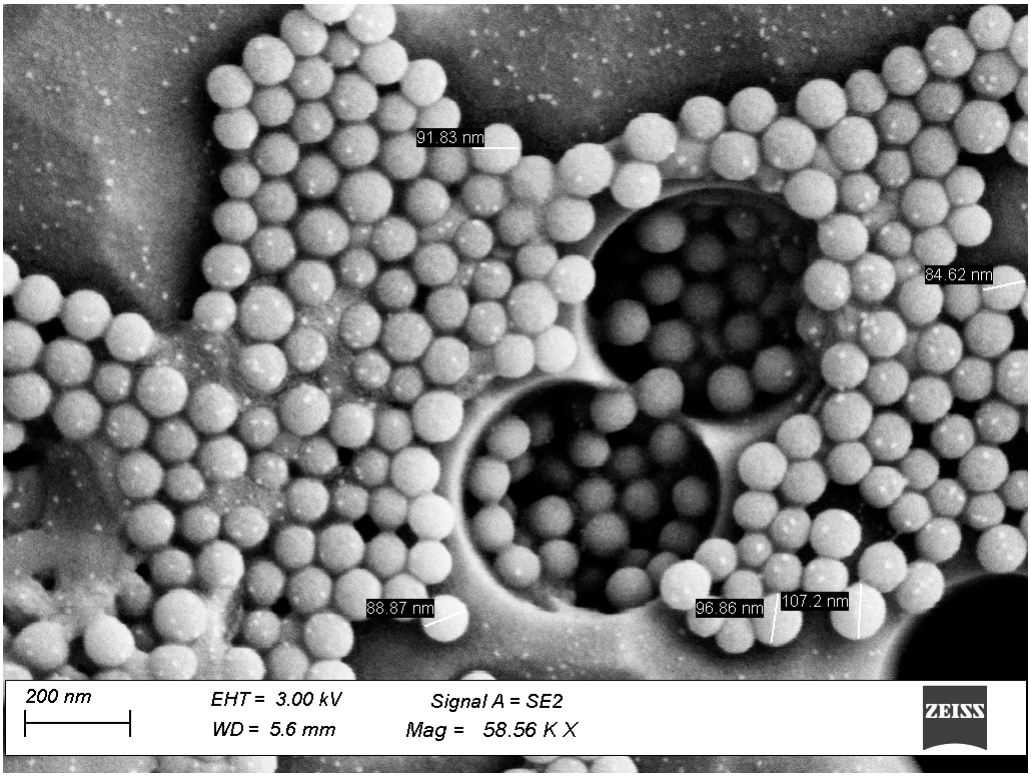

Figure S1. Image of carboxylate-modified polystyrene latex nanoparticles obtained via scanning electron microscopy (SEM). Particles were deposited on a 0.4 µm Isopore membrane (MilliporeSigma) and sputter-coated with gold/platinum using a Bal-tec SCD 050 sputter coater. The samples were then imaged using a Zeiss SIGMA VP-FESEM operated at 3.00 kV. The ~100 nm spheres in the image are the nanoparticles, while the larger holes are the ~0.4 µm membrane pores.

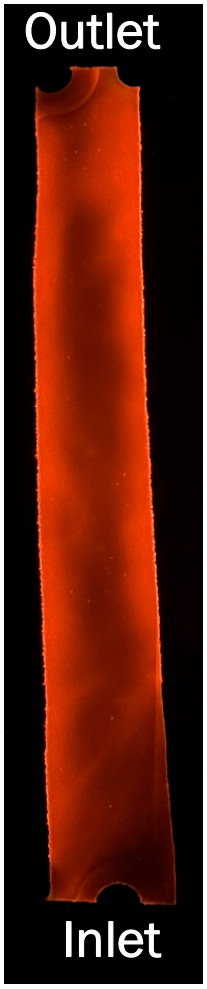

Figure S2. Image taken using a Dark Reader Transilluminator (Clare Chemical Research) of a 300 kDa Ultracel membrane removed from the Pellicon 3 cassette following experimentation. Fluorescence (in bright orange) observed on the membrane indicates nanoparticles deposited on the membrane surface during SPTFF.