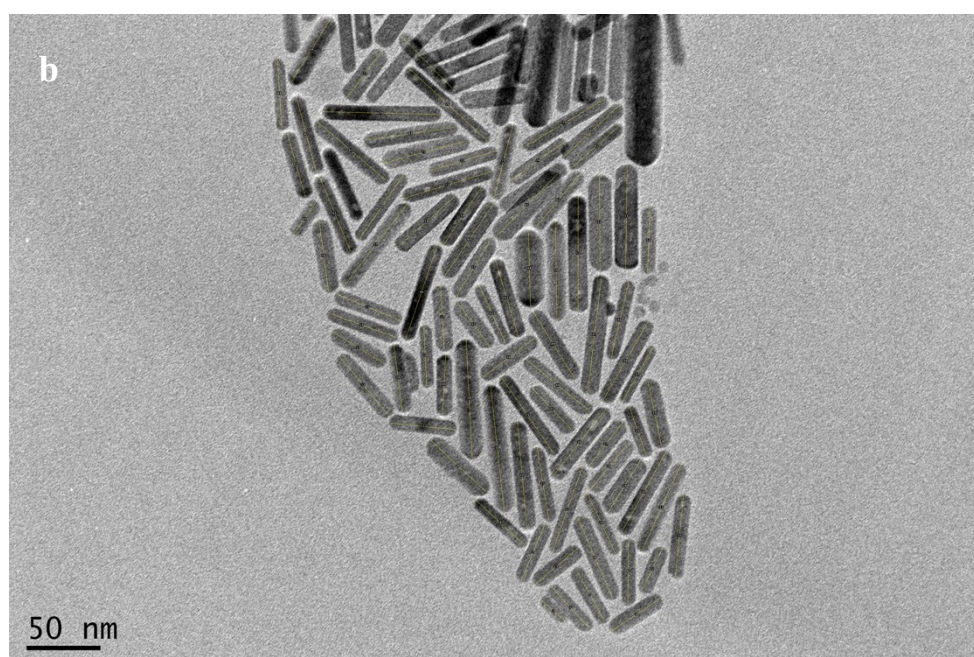
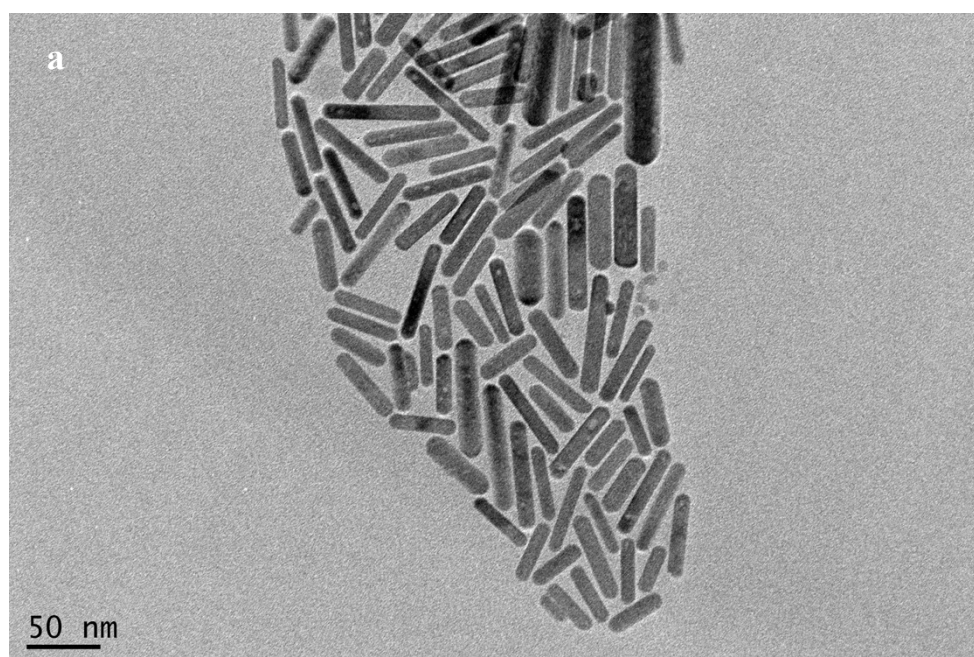


Cation Exchange Reaction in Bi_2S_3 Nanorods Enables the One-Step Fabrication of Copper-64 Nanoparticulate Molecular PET Imaging Agents with Ultrahigh Radiolabel stability

Supplementary Information

Original TEM image and ImageJ processed images are provided below. 8 different images at two different magnifications were processed to acquire the mean nanorod size by length and width



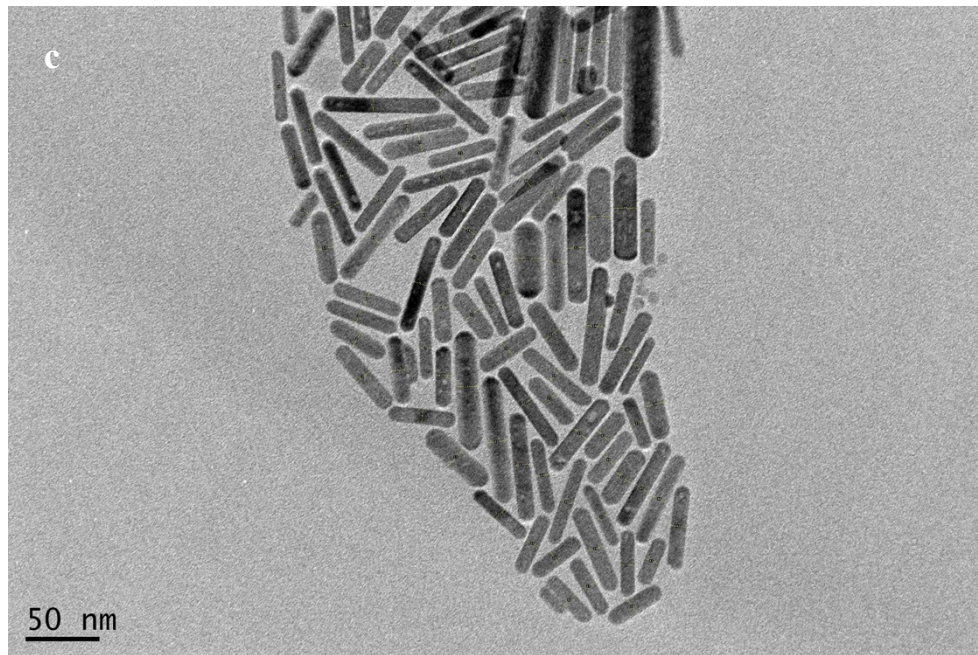


Figure 1. Size distribution of Bi_2S_3 nanorods by TEM. a) Original TEM image; b) ImageJ processed image - length measurements; ; c) ImageJ processed image - width measurements.

Uncropped image of dot blot experiment. The experiment was performed using a serial dilution of Ab1 and Ab2. We used $1\mu\text{g/mL}$, $0.1\mu\text{g/mL}$, and $0.01\mu\text{g/mL}$.

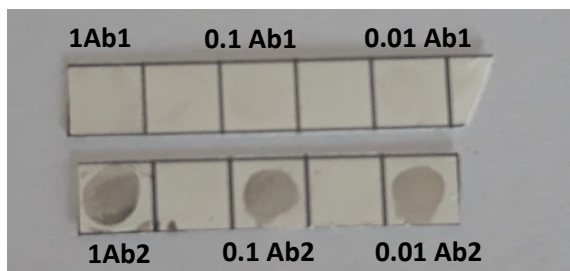


Figure 2. Uncropped image of dot blot experiment.

Uncropped imaging flow cytometry images used in the manuscript are provided. Object number is included. This enables referencing back to the original data file.

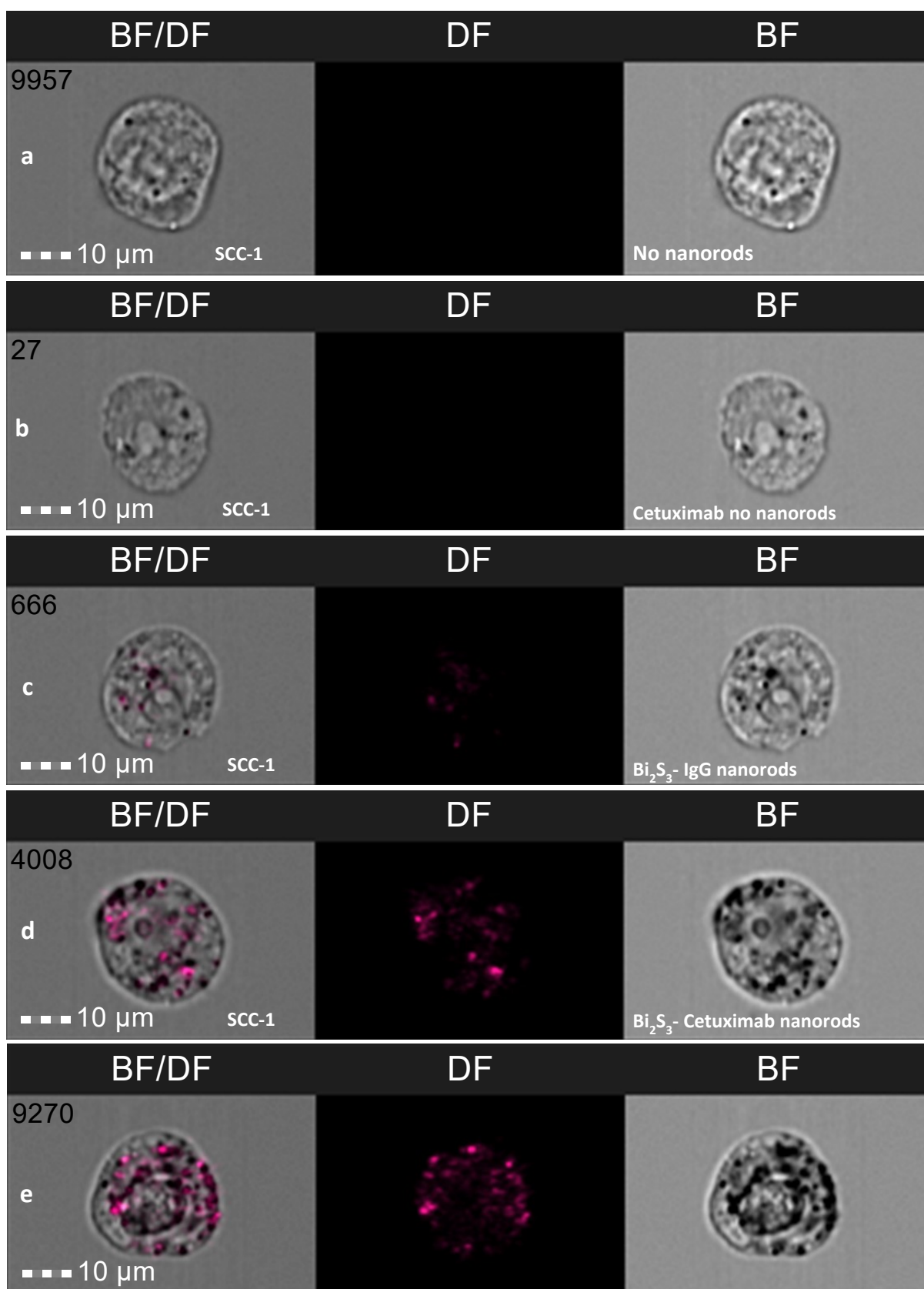


Figure 3. Uncropped ICF images. a) SCC-1 cells with no nanorods; b) SCC-1 cells with cetuximab; c) SCC-1 cells with Bi_2S_3 -IgG nanorods; d) SCC-1 cells with Bi_2S_3 -cetuximab nanorods; e) SCC-1 cells with Cu: Bi_2S_3 -cetuximab nanorods