

Figure S1. Absorption spectra of Cy3TM and Cy5TM in aqueous solution.

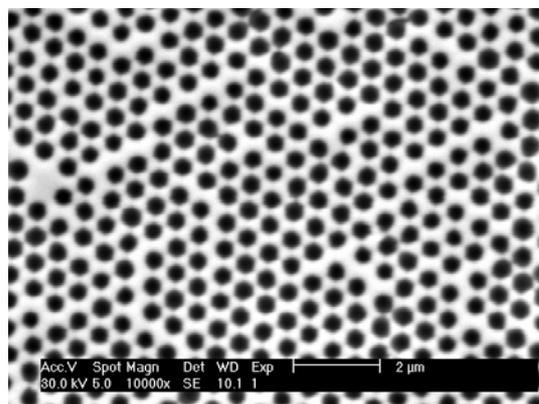


Figure S3. A typical SEM image of the ordered-spherical-cavity gold substrates (600 nm sphere templated, grown to 450 nm by electrodeposition) employed in this study taken with a Philips XL30 environmental scanning electron microscope.

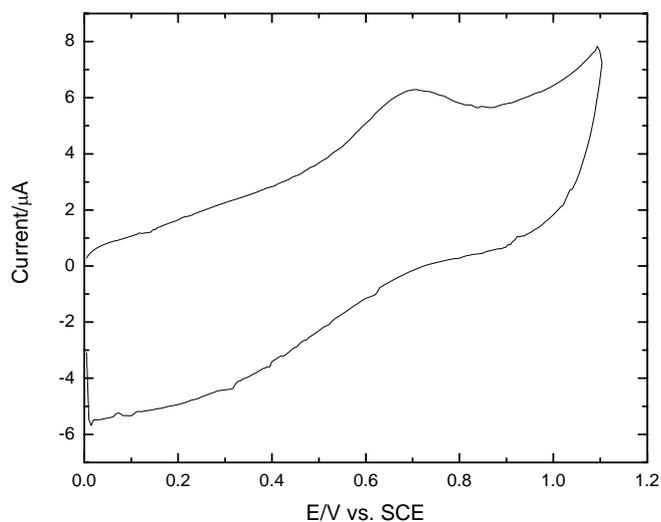


Figure S2. Cyclic voltammogram of Cy3TM immobilized on gold surface recorded in acetonitrile (0.3 M TBAP), degassed for 15 min. with Argon and blanketed during experiment at a scan rate of 100 mV s⁻¹ on a 1mm diameter disc electrode. The surface coverage determined for Cy3TM is larger, as expected, than Cy5TM at 8.64 × 10⁻¹¹ mol cm⁻².