

Supporting information

Defect-Free Polymer Multilayers Prepared via Chemoselective Immobilization

Mi-Kyoung Park [†], Dong-Chan Lee, Yuan Li, and Luping Yu

Department of Chemistry and The James Frank Institute, The University of Chicago,
Chicago, Illinois 60637

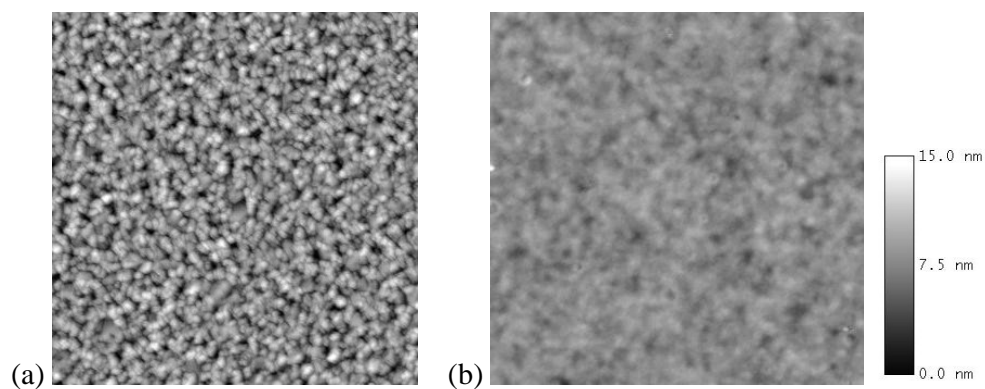


Figure 1S. AFM images of (a) a bare gold substrate and (b) after deposition of 8 layers of P-CHO/P-NH₂. Image size is 2 μ M x 2 μ M.

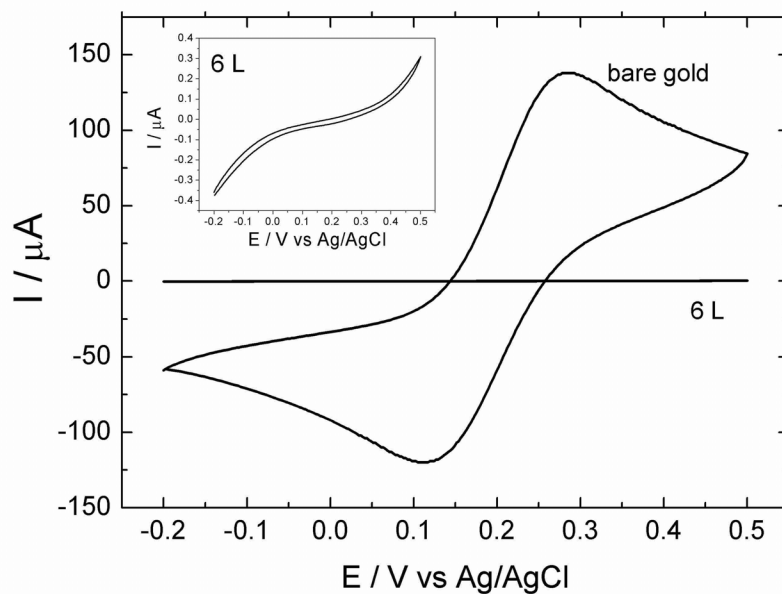


Figure 2S. Cyclic voltammograms of a bare gold substrate and 6 layers of polymer deposited on the gold substrate (inset: in smaller scale) in solutions containing 1 mM each of $\text{Fe}(\text{CN})_6^{3-/4-}$ with 0.1 M NaCl buffered with 10 mM Na_2HPO_4 (pH = 7.5). The scan rate is 40 mV/s.