Supporting Information

Microenvironment Alterations Enhance Photocurrents from Photosystem I Confined in Supported Lipid Bilayers

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Figure.S1 Comparisons for maximum photocurrent densities (nA/cm²) as obtained from chronoamperometry measurements on C₄COOH/SAM (control) along with PSI-SLB on different SAM/Au substrates made from PSI-proteoliposomes reconstituted with different TX-100 concentration (Cₜₐₜ = 4, 8 and 12 Mm).
Figure S2 AFM images showing the surface topographies of: (a) flat gold and (b) DPhPG/Au.
Figure.S3 Typical approach-retract curves for on flat gold. The hydrophilic surface induces an attractive force of a few pN on approach and, upon retraction, a strong adhesive force of >4nN. Force-distance curve shows no breakthrough. Multiple force-distance curves were obtained on bare gold that were used to calibrate the system to generate the inverse optical lever sensitivity of our forced spectroscopy system as 61.714 nm/nA.