



Figure S1. Representative ATR-FTIR (Thermo Nicolet Nexus 870 FT-IR spectrometer, Thermo Scientific, United States) spectra of serum proteins pre-adsorbed on control, sPDA and rPDA surfaces after immersion in D-MEM+8% FBS for 6 hours. Prior to FTIR measurements, samples were thoroughly rinsed in deionized water. Absorption bands at $\sim 1650\text{ cm}^{-1}$ (Amide I) and at $\sim 1550\text{ cm}^{-1}$ (Amide II) are associated to the secondary structure of proteins. Minor peaks in the mixed region are associated with additional vibrational modes of serum proteins.²⁹