

Supplementary Information

Influence of nanomaterials defects on the formation of protein corona

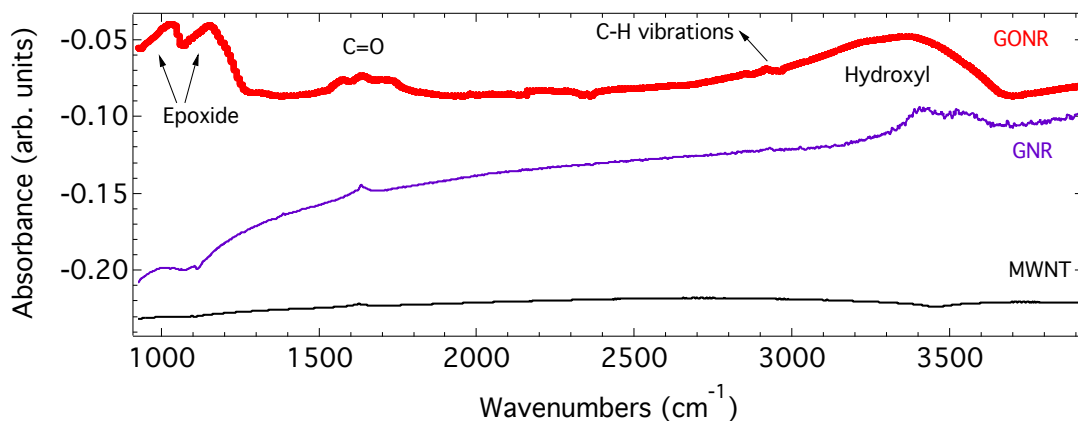


Figure S1: FTIR spectra for MWNTs, GNRs, and GONRs show the presence of polar functional groups on GONRs that make it strongly hydrophilic.

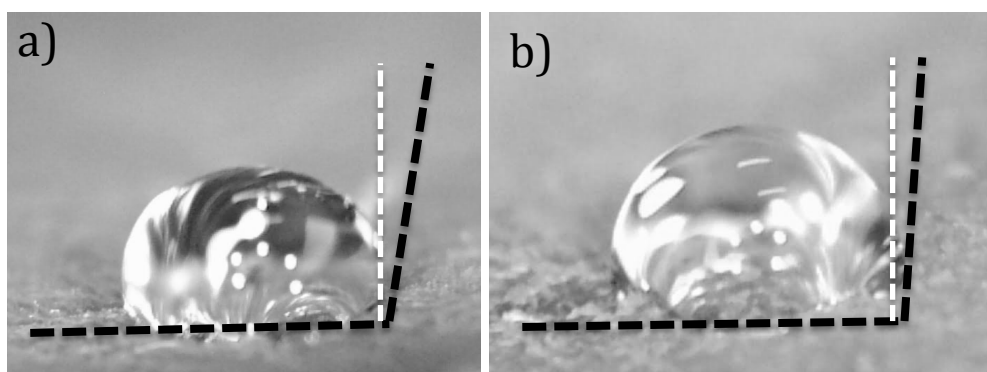


Figure S2: The contact angle for MWNTs (a) and GNRs (b) is >90° due to their hydrophobic nature. GONRs adsorb water very rapidly due to the presence of hydroxyl and carboxyl functional groups.

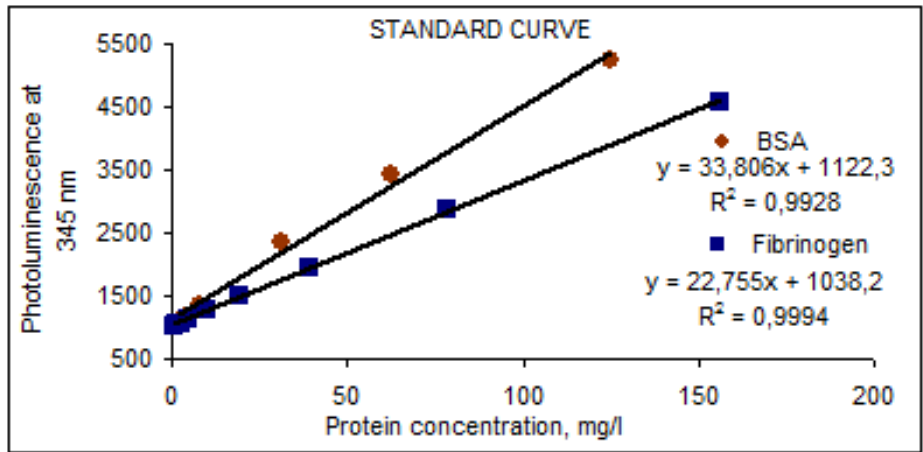


Figure S3: A standard curve obtained from photoluminescence of aromatic acids in BSA and fibrinogen could be used to measure the amount of adsorbed protein.