

Electronic Supporting Information

Impact of Porous Nanomaterials on Inhibiting the Protein Aggregation Behaviour

Munmun Bardhan,^{a,e,*} Sandip Dolui,^b Siddhi Choudhuri,^c Uttam Paul,^a Gaurav Bhattacharjee,^d Manorama Ghosal^a, Nakul C Maiti,^c Debashis Mukhopadhyay,^c Dulal Senapati^{a,*}

^aChemical Sciences Division, Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Kolkata 700064, INDIA.

^bIndian Institute of Chemical Biology, Jadavpur, Kolkata-700032, India.

^cBiophysics and Structural Genomics Division, Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Kolkata 700064, INDIA.

^dSurface Physics Division, Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Kolkata 700064, INDIA.

^eCurrent address: Department of Physics, Jadavpur University, Kolkata-700032.

Corresponding author's email: dulal.senapati@saha.ac.in, bardhanm@gmail.com

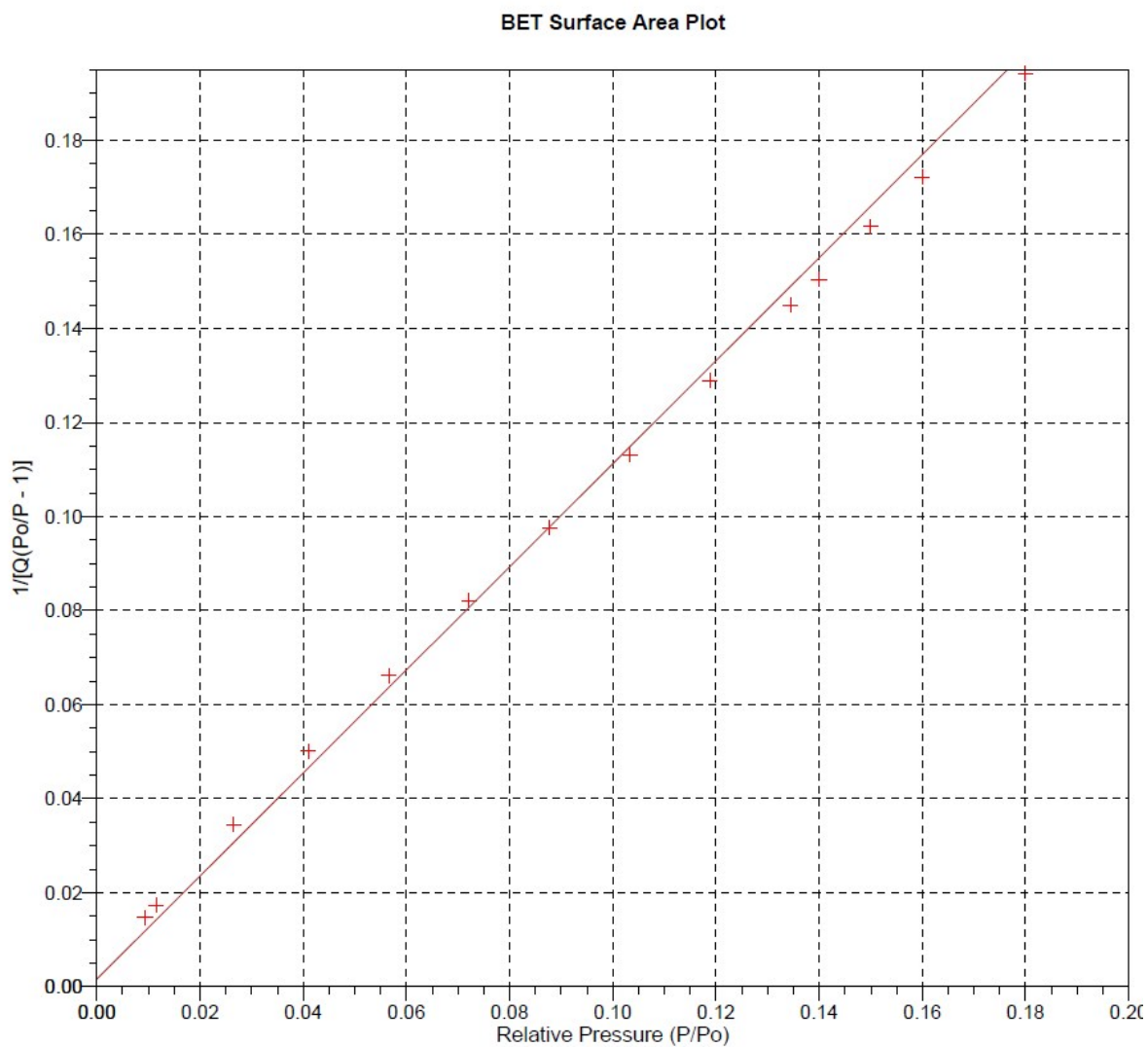


Figure S1: BET surface area plot for mesoporous silica nanoparticles (PNS)

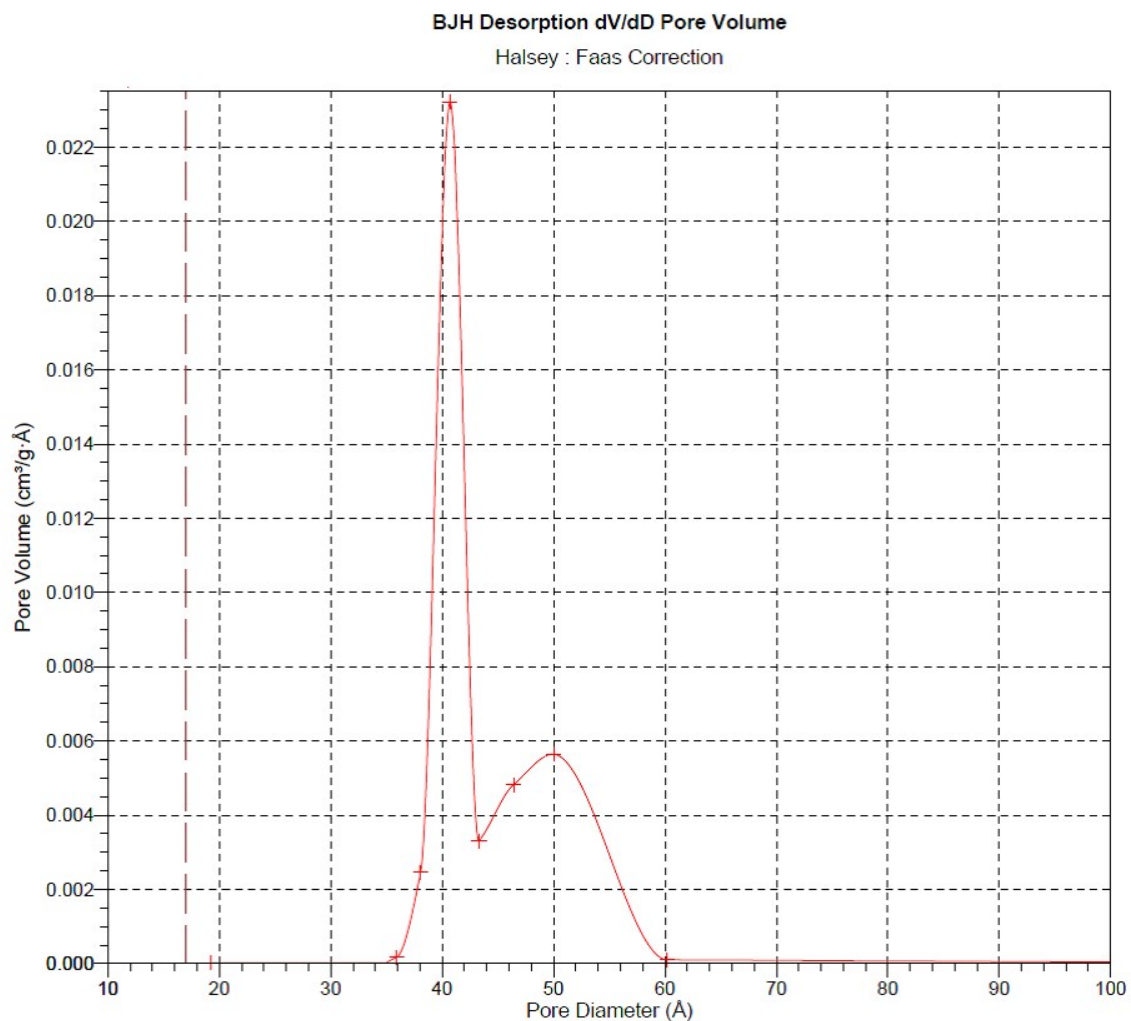


Figure S2: BJH desorption plot for mesoporous silica nanoparticles (PNS)

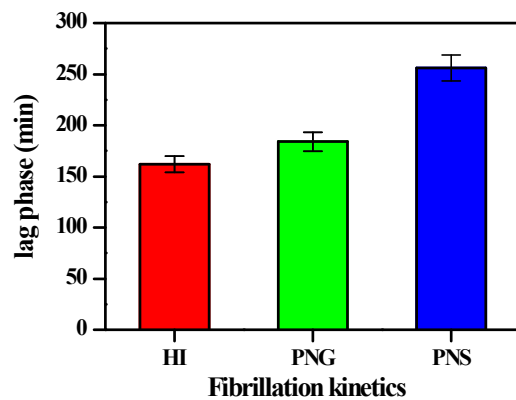


Figure S3: Bar plot of the lag phase (in minute scale) of insulin fibrillation in the absence and presence of PNG and PNS.