

**Figure S1:** GNPs' size distribution by intensity (%) obtained by DLS. Three curves (full, dotted and dashed), each one of them corresponding to individual measures, are shown for each type of GNPs: Core GNPs (light grey), HAOA-coated GNPs (dark grey) and EGF-conjugated GNPs (black). Additionally, it is represented (bottom right corner) the average curve of each sample for comparison of the GNPs' types.