

Supplementary Information

Doxorubicin loading on graphene oxide, iron oxide and gold nanoparticle hybrid

Mustafa Balcioglu[†], Muhit Rana[†], and Mehmet V. Yigit^{†, ‡, *}

[†]Department of Chemistry and RNA Institute,
University at Albany, SUNY,
1400 Washington Avenue, Albany, New York 12222, United States.

[‡]College of Nanoscale Science & Engineering,
University at Albany, SUNY,
257 Fuller Road, Albany, New York 12203, United States.

*Correspondence:
Tel: (1) 518-442-3002
myigit@albany.edu

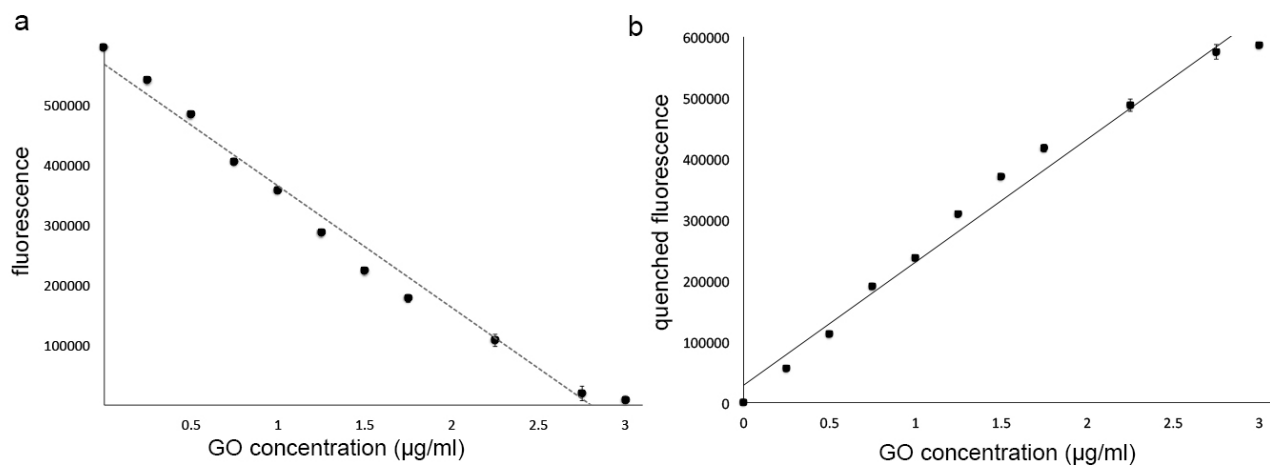


Figure S1. (a) The fluorescence of cy5.5 is decreased with increasing GO content. (b) The intensity of quenched fluorescence with increasing GO.

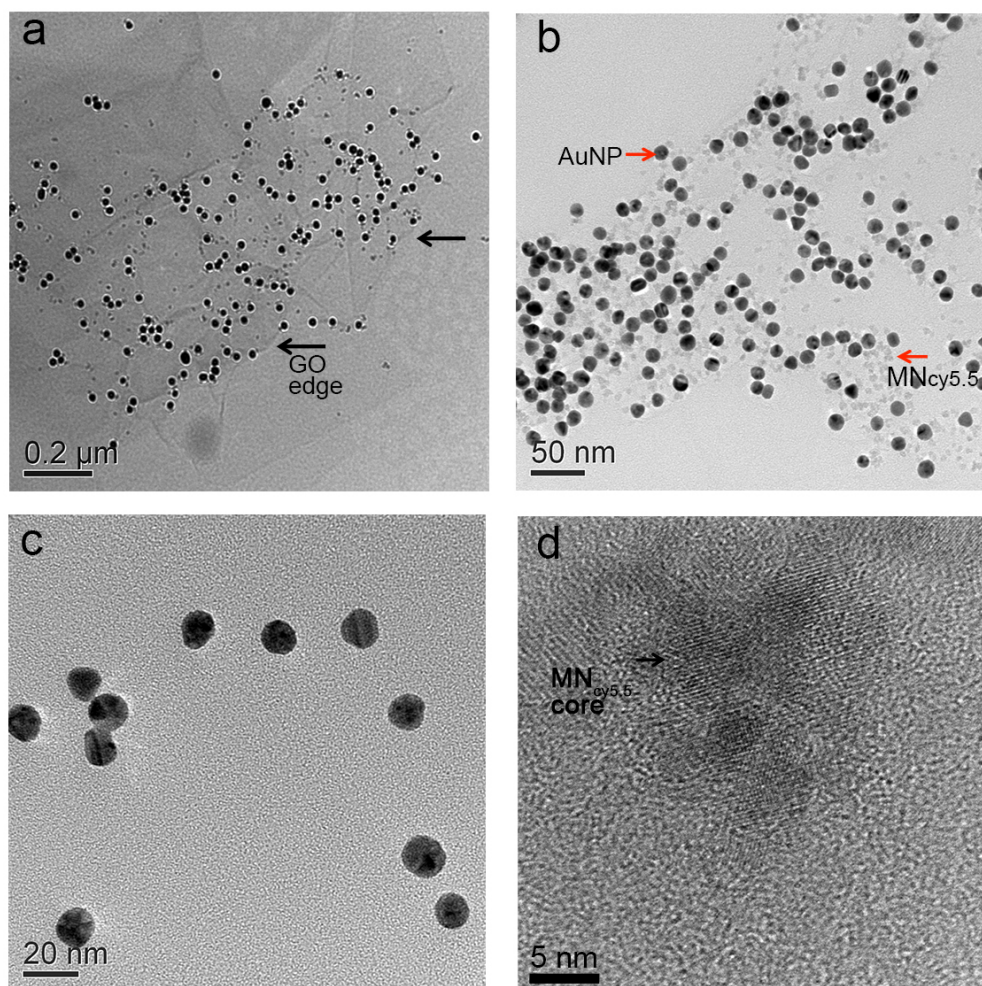


Figure S2. TEM micrographs of (a) a [GO-MN_{cy5.5}-AuNP] hybrid, (b) AuNPs and MN_{cy5.5} on a hybrid surface, (c) AuNPs, and (d) iron oxide cores of MN_{cy5.5}. Arrow shows (a) the edges of GO, (b) AuNP and MN_{cy5.5} on hybrid surface and (d) one of iron oxide cores of MN_{cy5.5} with noticeable metallic lattices.