Fig. S1. Normalised UV-vis absorption spectra of PADA–Ag NPs (a), PADA–Au_{25}Ag_{75} NCs (b), PADA–Au_{50}Ag_{50} NCs (c), PADA–Au_{75}Ag_{25} NCs (d) and PADA–Au NPs (e) solutions. Inset shows the plot of absorption maximum against Au mole fraction.
**Figure S2.** EDX spectrum of PADA-Au$_{25}$Ag$_{75}$ NCs.
Figure S3. FT-IR spectra recorded for the PADA and PADA stabilized mono- and bi-metallic nanostructures.
**Fig S4.** Cyclic voltammograms recorded for GC/PADA–Au$_{25}$/Ag$_{75}$ (a), GC/PADA–Au$_{50}$/Ag$_{50}$ (b) and GC/PADA–Au$_{75}$/Ag$_{25}$ (c) NCs modified electrodes in 0.1 M PBS at a scan rate of 50 mV/s.
**Fig. S5.** Amperometric $i-t$ curve obtained at GC/PADA–Ag (A) and GC/PADA–Au (B) NPs modified electrode during the successive addition of 10 nM NO to a stirred solution of 0.1 M PBS (pH 7.2) at an applied potential of 0.9 V.

**Fig. S6.** Calibration plot of current versus NO concentration obtained for GC/PADA–Au$_{25}$/Ag$_{75}$ NCs modified electrode.