

Reduced graphene oxide nanoribbon immobilized gold nanoparticles based electrochemical DNA biosensor for detection of *Mycobacterium tuberculosis*

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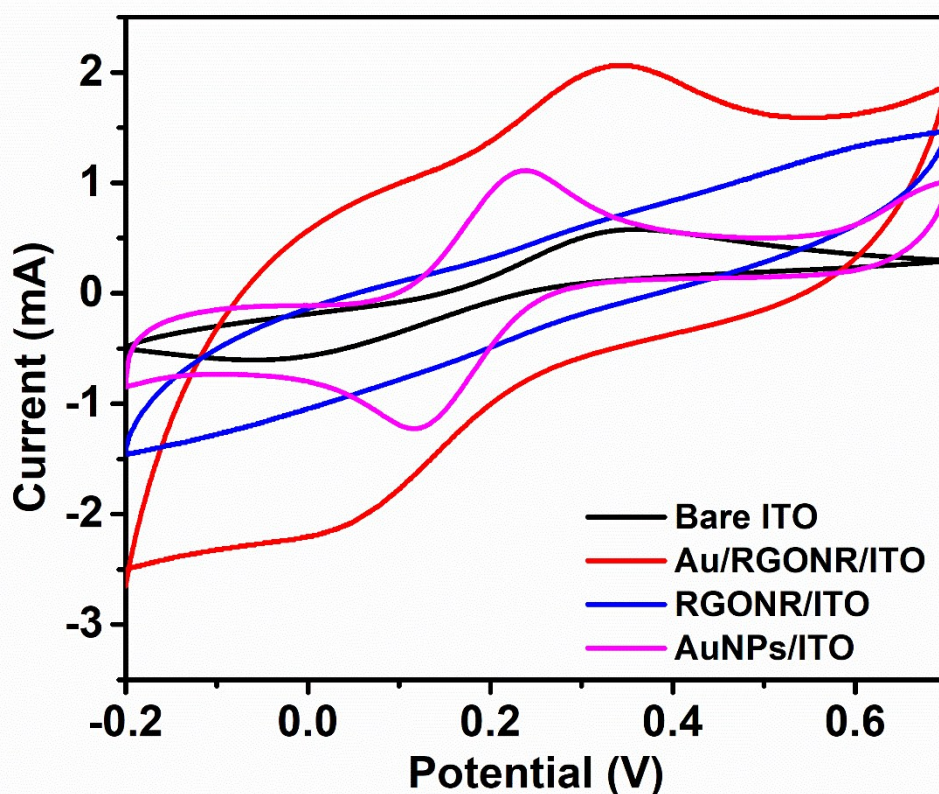


Figure S1, Comparative Cyclic voltammograms for bare ITO, Au/RGONR/ITO, RGONR/ITO and AuNPs/ITO electrodes in Zobell's Solution at scan rate of 50 mVs⁻¹

CV represented here clearly indicate that Au/RGONR/ITO electrode have better conductive performance as compared to others to be utilized as platform for DNA immobilization.

Table S1 Elemental percentage obtained using EDX of Au/RGONR

Element	Weight %	Atomic %
C(K)	77.23	84.05
O(K)	14.88	13.82
Cu(K)	6.04	1.83
Au(K)	1.81	0.28

Cu(K) is present due to use of carbon coated copper grid for TEM sample preparation