## **Electronic Supplementary Data**

## Silver nanoparticle modified Pt electrode as voltammetric and electrochemical impedance sensor for hydrogen peroxide in live biological cells

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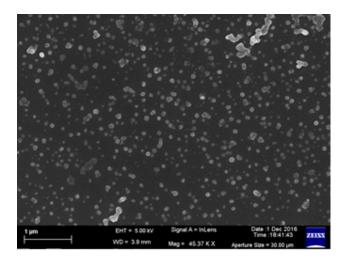


Fig. S1 – SEM image of Ag nanoparticles.

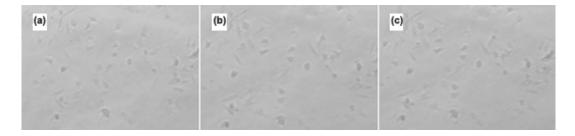


Fig. S2 – The optical morphology of Rat L6 myoblasts cells [A] before addition of AA, [B] after the addition of AA, and [C] after electrochemical detection of  $H_2O_2$  released from cells.