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Potential Controlling Highly-efficient Catalysis of Wheat-like Silver Particles for Electrochemiluminescence Immunosensor Labeled by Nano-Pt@Ru and Multi-sites Biotin-streptavidin Affinity

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The image of Pt@Ru nanoparticles (Fig. S) was screened by transmission electron microscopy (TEM) (H600, Hitachi Instrument, Japan). In this image, the black dots are the Pt@Ru nanoparticles with average diameter about 8 nm. It can be the proof that the white highlighted irregular particle clusters with large diameter in SEM image (Fig. 1D) were actually formed by agglomerating large amount of Pt@Ru nanoparticles on multiple biotin-SA affinity sites.

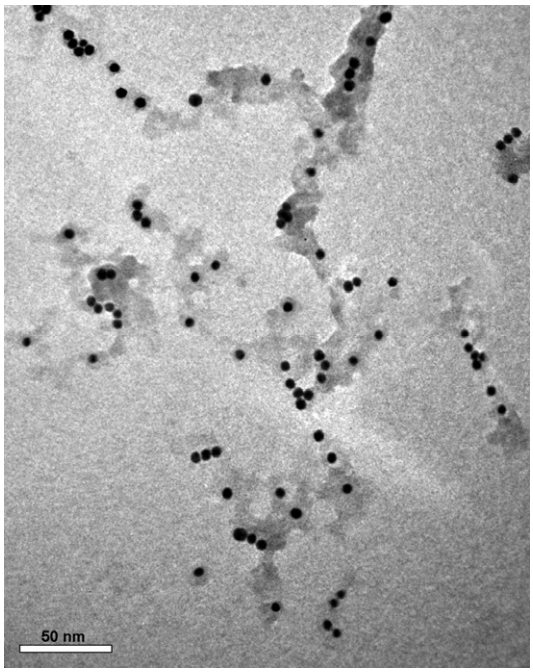

Figure S. TEM image of Pt@Ru nanoparticles