

Supplementary Material

Biotemplated fabrication of size controlled palladium nanoparticle chains

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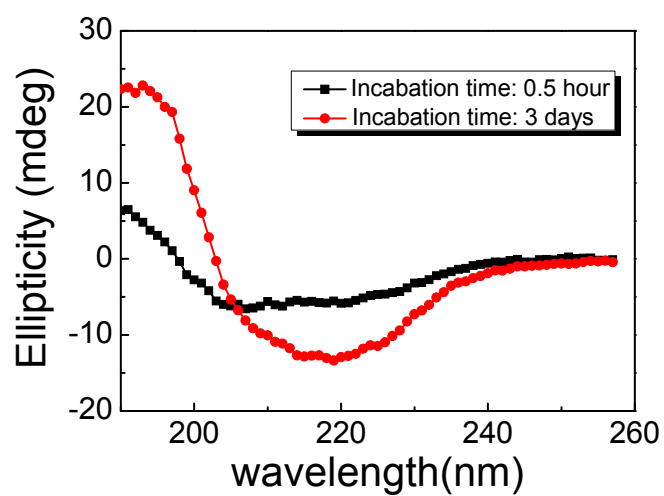


Fig. S1. CD spectra of the glucagon solution incubated at different periods of time. Black curve: 0.5 hour; Red curve: 3 days.

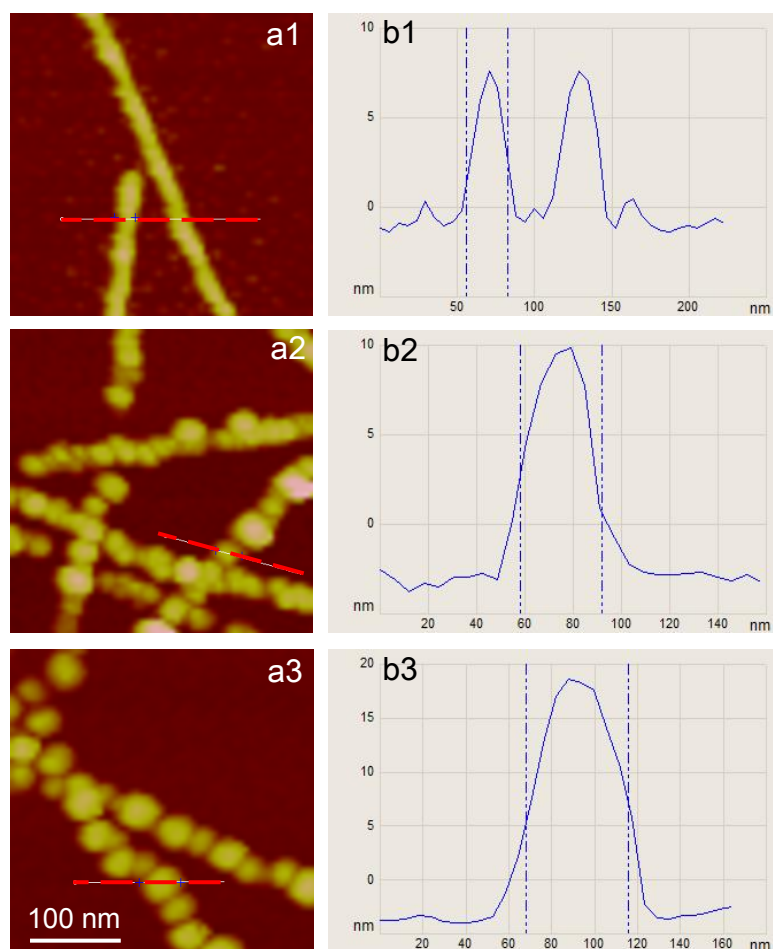


Fig. S2. High-magnification AFM height images of palladium oxide NP chains obtained by incubating aged sodium tetrachloropalladate (II) at different concentrations with glucagon fibrils. (a1) 1mM; (b1) 2.5 mM; (c1) 5 mM, respectively. (a2-c2): The cross section profile of NP chains along the color dotted lines marked in AFM images shown in the right of each image, which clearly indicated that the diameter of NPs increased with an increase of ion concentration.

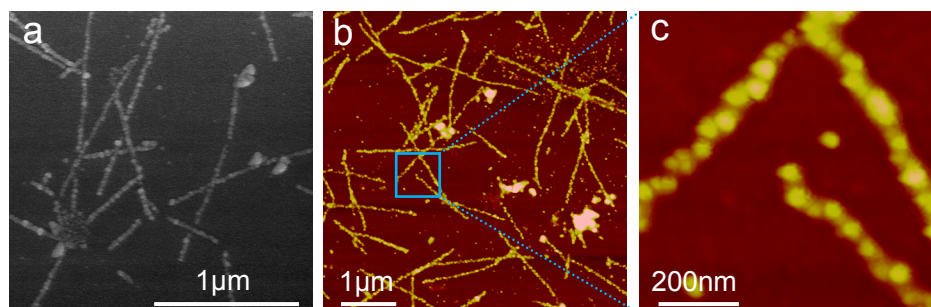


Fig. S3. SEM and AFM images of metallic palladium NP chains obtained by reduction of palladium oxide NP chains with DMAB. (a) SEM image; (b) AFM image; (c) High-magnification AFM image revealing the details of metallic palladium NP chains.