

AUTHOR CORRECTION

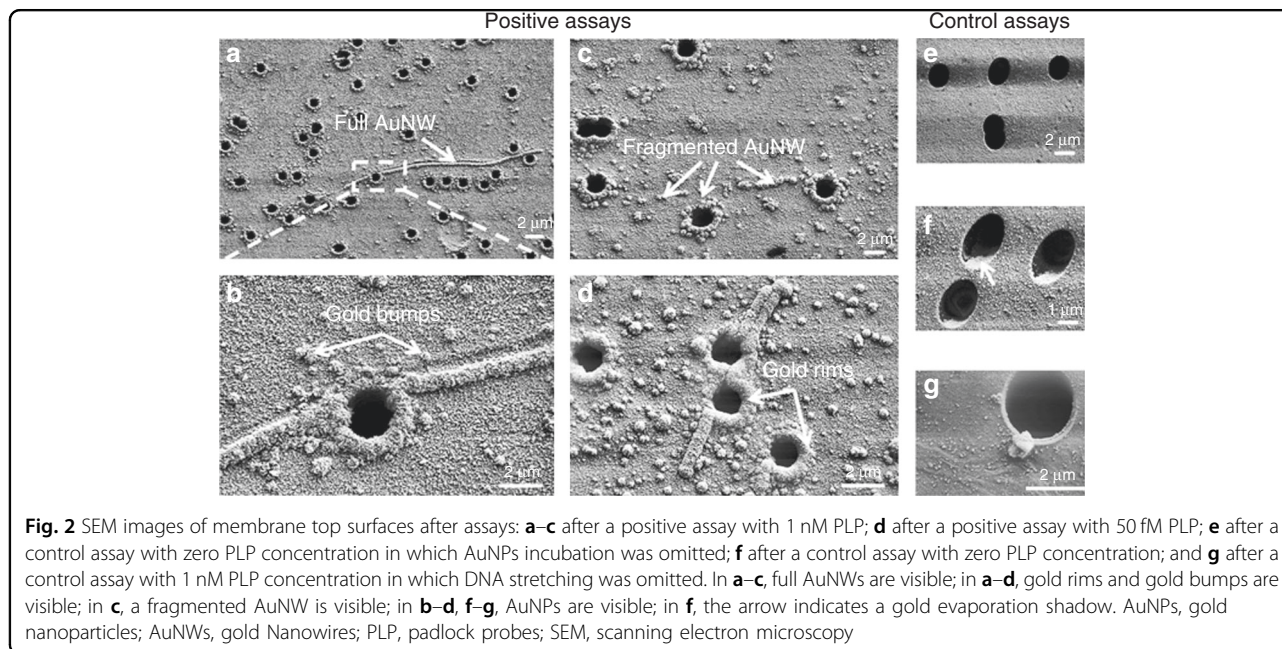
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# Correction to: Efficient DNA-assisted synthesis of trans-membrane gold nanowires

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Figure 2 and the descriptive text in the Section “SEM characterization of synthesized nanowires” of the previously published version of this Article were erroneous. The authors would like to replace Fig. 2 and section “SEM characterization of synthesized nanowires” with the figure and text below:




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### **SEM characterization of synthesized nanowires**

To study the AuNW formation, we captured SEM images of top membrane surfaces after assays (Fig. 2). For complete assays with PLP concentration  $\geq 50$  fM (Fig. 2a–d), we observed the following distinct features on the membrane surface: gold bumps with approximately spherical geometry, fragmented AuNWs (which are strings of gold bumps that stretch over the surface), full AuNWs that stretch over the surface and that have a visible length ranging from 3 to 60  $\mu\text{m}$ , and gold rim structures around all pore openings. For control assays with zero PLP concentration (Fig. 2e, f), we did not observe any gold enhancement features. For assays with PLP concentration of 10 fM and for assays without RCP stretching (Fig. 2g), i.e., where drying of the RCP products occurred under natural convection instead of forced convection, we did observe gold bumps, but we did not observe full AuNWs, fragmented AuNWs, or gold rims. The size and areal distribution of the gold bumps and the full AuNWs are plotted in Fig. 3.

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