

**Electronic supplementary information**

# **Size Tuning of Au Nanoparticles formed by Electron Beam Irradiation of Au<sub>25</sub> Quantum Clusters Anchored Within and Outside of Dipeptide Nanotubes**

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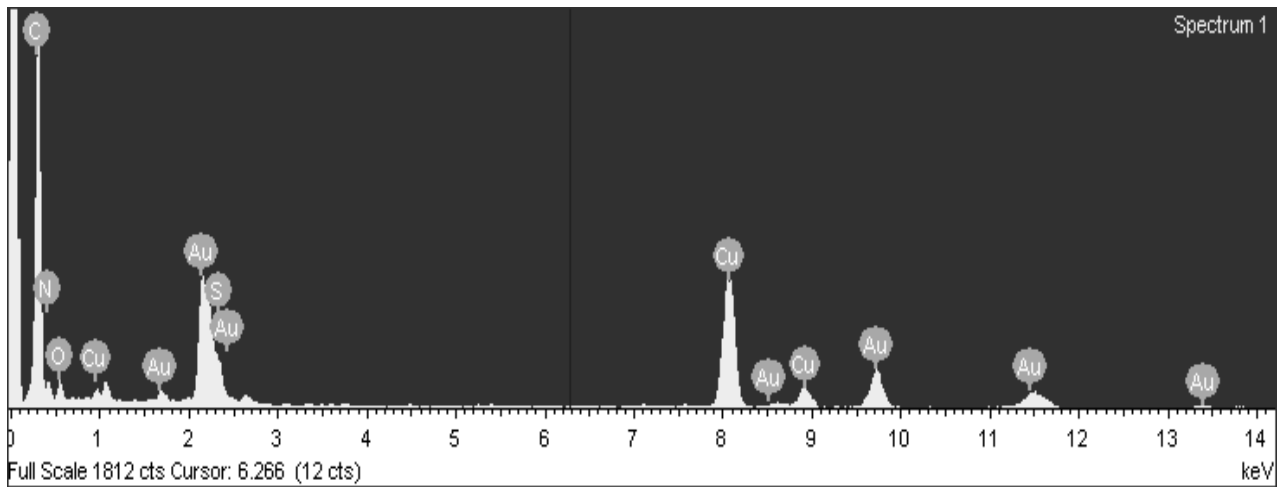
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<sup>a</sup> These two authors have contributed equally.

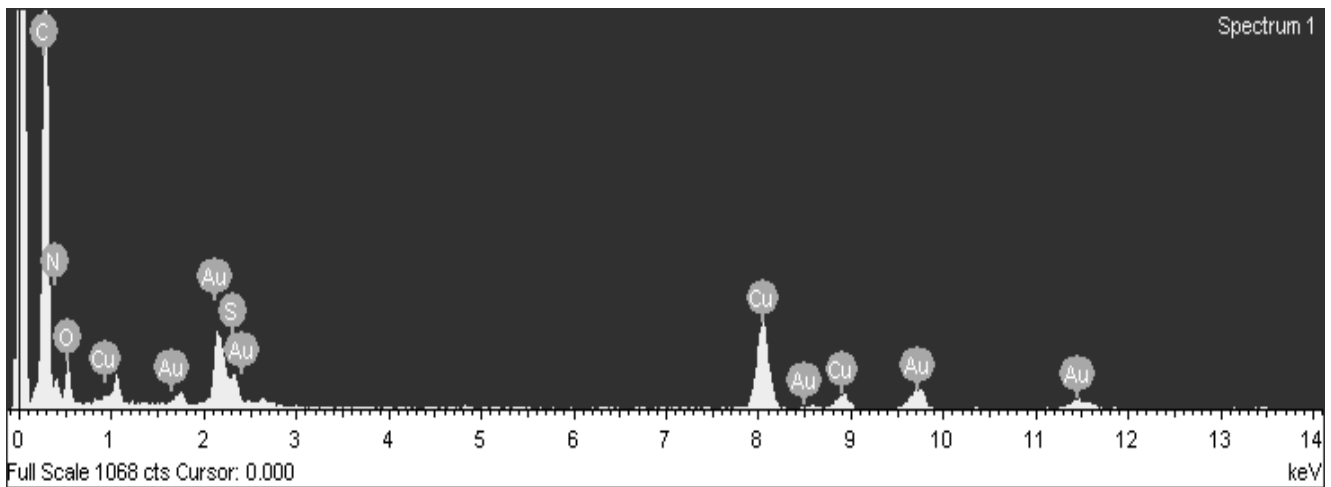
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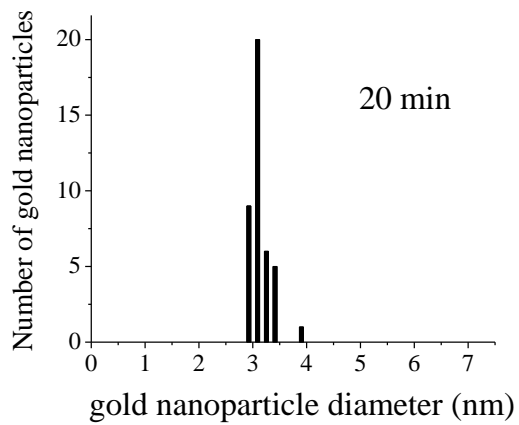
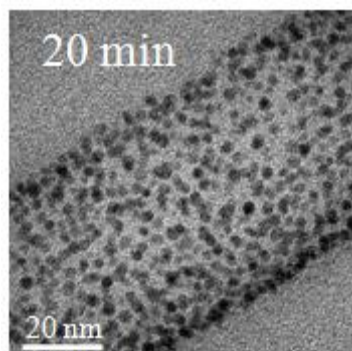
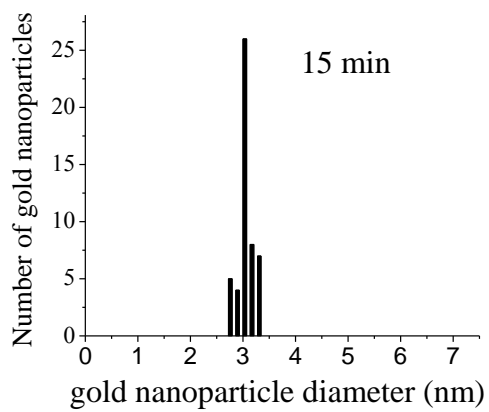
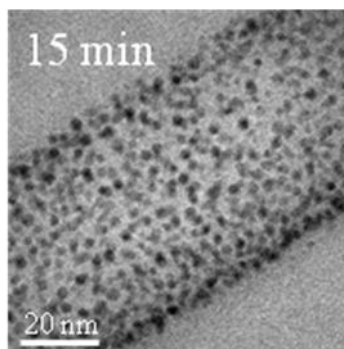
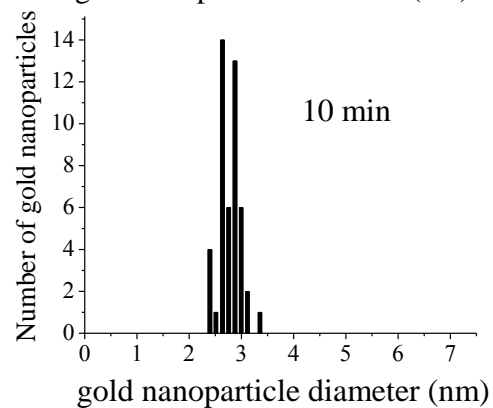
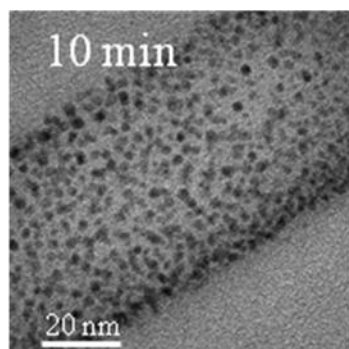
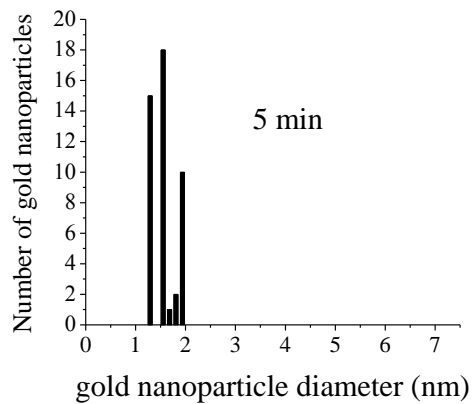
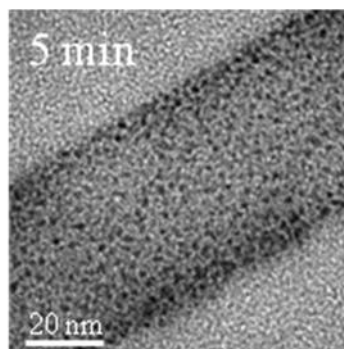
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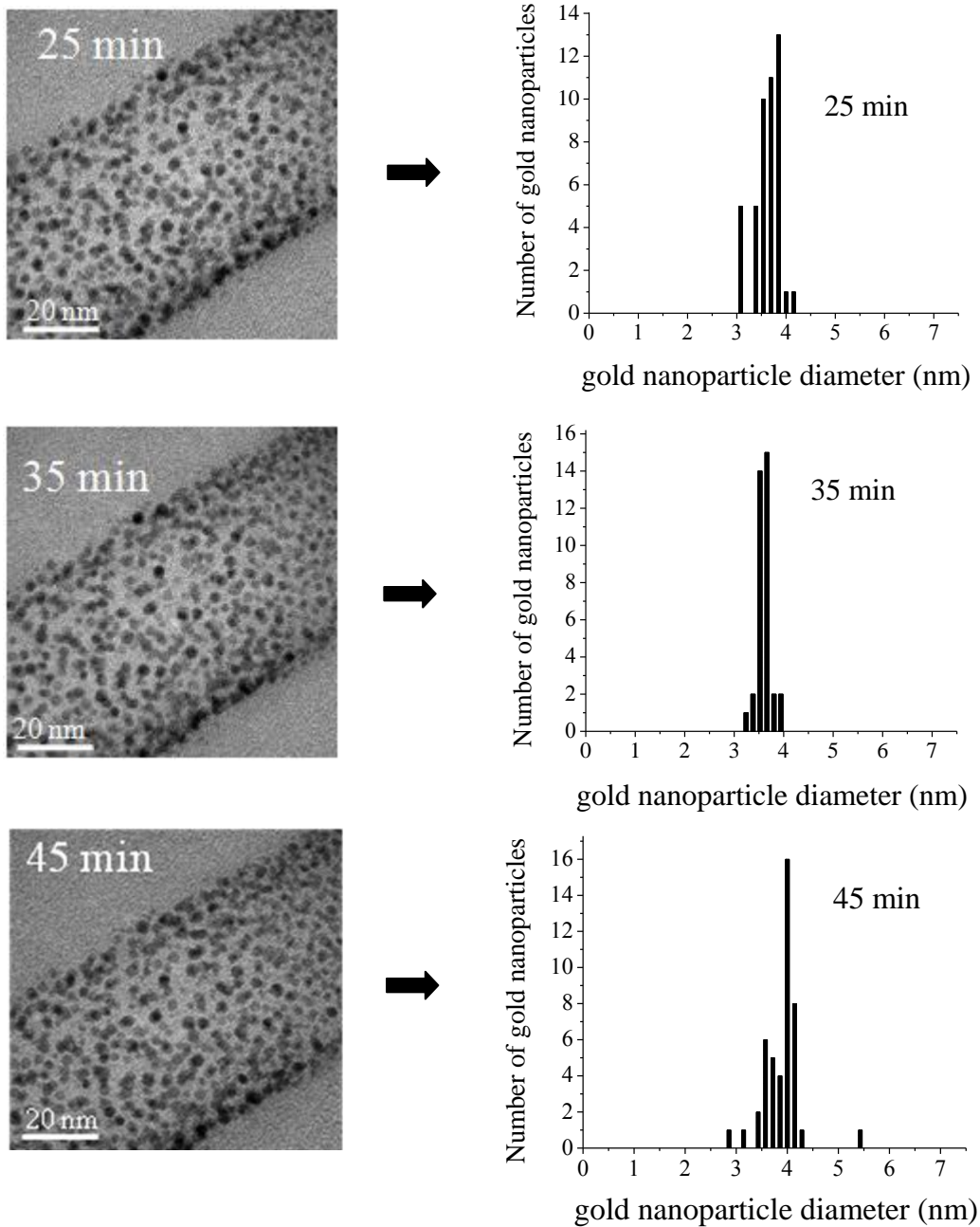


**Figure S1:** EDAX analysis of DPNTs with gold before exposure to electron beam indicates the presence of C, N, O, S and Au. The carbon contribution is also due to the grid.

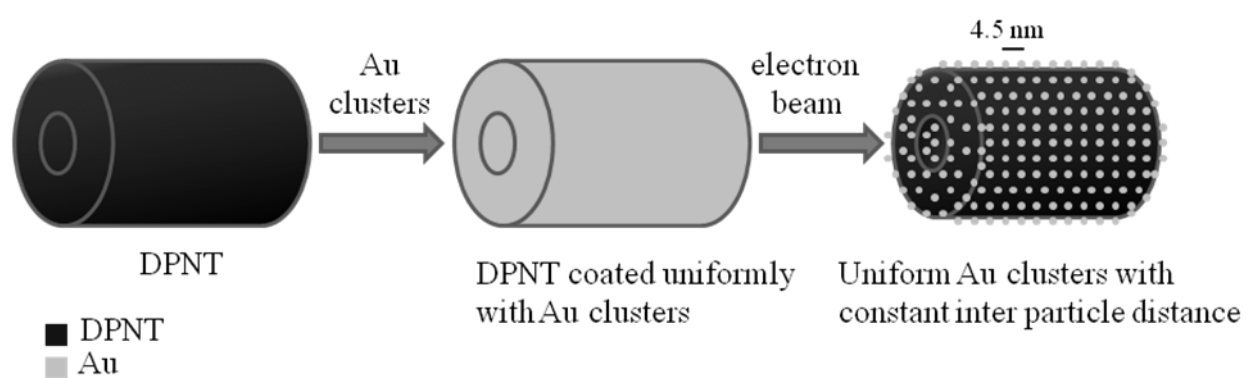


**Figure S2:** EDAX analysis of DPNTs with gold after exposure to electron beam indicates the presence of C, N, O, S and Au. The carbon contribution is also due to the grid.





**Figure S3:** Size distributions of gold nanoparticles in DPNTs/ Au composite with respect to 100 keV electron beam exposure time. The nanoparticles show homogeneity at any given time.



**Figure S4:** Schematic representation for formation of uniform gold nanoparticles on DPNTs due to exposure to electron beam.