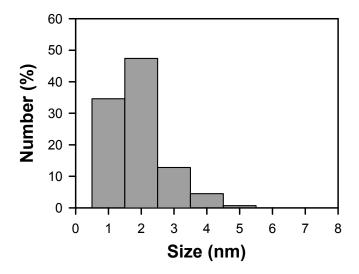
## **Supplementary Materials**

## Synthesis of Iron Oxide/Gold Composite Nanoparticles Using Polyethyleneimine as a Polymeric Active Stabilizer for Development of a Dual Imaging Probe

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**Figure S1:** EDX elemental mapping-merged HAADF scanning TEM images of the type 1 NanoIOGs produced at 0.02 wt. % PEI.



**Figure S2:** Size distribution for the Au nanoseeds produced at 0.02 wt. % PEI measured from TEM images (n = 200).