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**Prof. dr. L. (Naomi J.) Halas**

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Dear Prof. Halas,

Please consider our manuscript ‘***Gold nanoparticles as absolute nano-thermometers***’ where we present a far-field optical method to access the absolute temperature of gold nanoparticles based on the photoluminescence emission spectra. We present a model to interpret the detected emission bands when exciting the particles with monochromatic light and show the experimentally an accuracy of 2% in the temperature determination of the surrounding media **without** the need of any temperature calibration. Since the method provides an easy to implement way to access the temperature reached by nanoparticles when they are illuminated, we believe that our method will be especially useful for further development of photothermal therapy, where nanoparticles are used as nanoheaters to kill tumor cells and the temperature reached during the process is of paramount importance.