

### **Publications during last Five Years**

1. R. G. Rayavarapu, W. Petersen, L. Hartsuiker, P. Chin, H. Janssen, F. van Leeuwen, C. Otto, S. Manohar and T. G. van Leeuwen, "In vitro toxicity of polymer coated gold nanorods", IOP Nanotechnology, 2010.
2. R. G. Rayavarapu, C. Ungureanu, T. G. van Leeuwen and S. Manohar; "Iodide impurities in hexadecyltrimethylammonium bromide (CTAB) products: lot-lot variations and influence on gold nanorod synthesis", Langmuir, 2010.
3. C. Ungureanu, R. G. Rayavarapu, S. Manohar and T. G. van Leeuwen, "Discrete Dipole Approximation simulations of gold nanorod optical properties- Choice of input parameters and comparison with experiment", J. Appl. Phys., 105, 102302, 2009.
4. D. P. K. Lankveld, R. G. Rayavarapu, P. Krystek, A. G. Oomen, H. W. Verharen, T. G. van Leeuwen, W. H. De Jong and S. Manohar, "Blood clearance and tissue distribution of PEGylated and Non-PEGylated gold nanorods after intravenous administration in rats", Future Medicine(Nanomedicine), 2011.
5. C. Ungureanu, A. Amelink, R. G. Rayavarapu, H. J. C. M. Sterenberg, S. Manohar and T. G. van Leeuwen", Differential pathlength spectroscopy for the quantitation of optical properties of gold nanoparticles", ACS Nano, 2010.
6. L. Hartsuiker, W. Petersen, R. G. Rayavarapu, Aufried T.M. Lenferink, A. Poot, Leon W.M.M. Terstappen, Ton G. van Leeuwen, S. Manohar, and C. Otto "Raman imaging and fluorescence emission spectra of live breast cancer cells incubated with gold nanorods reveal additional lipid signals" Applied Spectroscopy, 2011.