

LIST OF PUBLICATIONS

Journal papers

I. **Song Z**, Kelf T A, Sanchez W H, Roberts M S, Rička J, Frenz M and Zvyagin A V 2011. Characterization of optical properties of ZnO nanoparticles for quantitative imaging of transdermal transport. *Biomedical Optics Express* **2** 3321-3333

II. **Song Z**, Anissimov Y G, Zhao J, Nechaev A V, Nadort A, Jin D, Prow T W, Roberts M S and Zvyagin A V 2012. Background free imaging of upconversion nanoparticle distribution in human skin. Submitted to "*Nanotechnology*"

III. **Song Z**, Jin H, Roberts M S, Zvyagin A V and Anissimov Y G 2012. Theoretical and experimental study of human skin permeability to zinc ions eluted from ZnO nanoparticulate sunscreen formulation. In submission to "Toxicology Letters"

IV. Nadort A, Sreenivasan V K A, **Song Z**, Nechaev A V, Semchishen V A, Panchenko V Y and Andrei V. Zvyagin. Quantitative imaging of single upconversion nanoparticles in biological tissue. In submission

Selected conference paper

[1] **Song Z**, Kelf T A, Sanchez W H, Roberts M S, Frenz M, Rička J and Zvyagin A V. Characterization of optical properties of ZnO nanoparticles for quantitative assessment of transdermal transport, In "*SPIE-Photonics West*", San Francisco, USA, 21-27 January, 2012

[2] **Song Z**, Kelf T A, Sanchez W H, Yatsui T, Popov A P and Zvyagin A V Size dependent optical properties of ZnO nanoparticles and dermal permeability evaluation, In "*International Conference On Nanoscience and Nanotechnology*", Sydney, Australia, 22-26 February 2010

[3] **Song Z**, Kelf T A, Sanchez W H, Yatsui T, Roberts M S and Zvyagin A V. Evaluation of zinc oxide nanoparticle transdermal property using multi-photon microscopy, In "Focus on microscopy", Shanghai, China, 28-31 March 2010

[4] **Song Z**, Kelf T A, Popov A P and Zvyagin A V. Evaluation of Skin Permeability of ZnO Nanoparticles by Two-Photon Excitation Microscopy, In "Light in Life Sciences Conference", Melbourne, Australia, 24-27 November, 2009

Book Chapter:

Zvyagin A V, **Song Z**, Nadort A, Sreenivasan V K A and Deyev S M 2012 Luminescent nanomaterials for molecular-specific cellular imaging, In "Handbook of Nano-Optics & Nanophotonics", Ed.: M. Ohtsu , Berlin, Springer