publications>>

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B. Recent Publications

1. **ES Papazoglou**, M Neidrauer, L Zubkov, MS Weingarten, K Pourrezaei, "Non-invasive assessment of diabetic foot ulcers with diffuse photon density wave methodology: A pilot human study," Journal of Biomedical Optics, 14(6): In Press, Nov/Dec 2009.
2. Neidrauer, M. and **E.S. Papazoglou**, "Optical Non-invasive Characterization of Chronic Wounds," in Bioengineering Research of Chronic Wounds: A Multidisciplinary Study Approach, A. Gefen, Editor. 2009, Springer Berlin Heidelberg. p. 381-404.
3. S. Babu, S. Mohapatra, L. Zubkov, S. Murthy, **E. Papazoglou**, "A PMMA Microcapillary Quantum dot Linked ImmunoSorbent Assay (QLISA)" to Biosensors and Bioelectronics, Vol. 24, Issue 12, Pages 3467-3474, August 2009.
4. **E. Papazoglou**, MS Weingarten, L Zubkov, M Neidrauer, L Zhu, S Tyagi, K Pourrezaei. "Changes in optical properties of tissue during acute wound healing", *J. of Biomedical Optics*, vol. 13, p. 044005, 2008.
5. MS Weingarten, **E. Papazoglou**, L Zubkov, L Zhu, M Neidrauer, G Savir, K Peace, K. Pourrezaei, K Pourrezaei, "Correlation of Near Infrared Absorption (fNIR) and Diffuse Reflectance Spectroscopy Scattering (DRS) with Tissue Neovascularization and Collagen Concentration in a Diabetic Rat Wound Healing Model". *Wound Repair and Regeneration*, 2008 Mar-April: 16, 234:242
6. S. Babu, C. Fan, C. Sunkari, L. Stepanskiy, J. Uitto, and **E. Papazoglou;** "Effect of size at the nanoscale and bilayer rigidity on skin diffusion of liposomes" Journal of Biomedical Materials Research A, 2008 Sep 3. [Epub ahead of print].
7. V. Kamat, J. Donaldson, C. Kari, M. Quadros, P. Lelkes, I. Chaiken, S. Cocklin, J. Williams, **E. Papazoglou**, U. Rodeck. "Enhanced EGFR inhibition and distinct epitope recognition by EGFR antagonistic mAbs C225 and 425" Canc Biol Ther, 7(5), May 2008.
8. A. Karwa, **E. Papazoglou**, K. Pourrezai, S. Tyagi, S. Murthy "Quantification of Inflammation with Quantum Dots in an animal model of collitis", Inflammation Research,. 56(12), 502-510, Dec.2007.
9. S.B. Nadarajan, P.D. Katsikis and **E. Papazoglou**; "Loading carbon nanotubes with viscous fluids and nanoparticles – a simpler approach" Appl. Phys. A 89, 437–442 (2007).
10. **E. S. Papazoglou** and A. Parasarathry, "Bionanotechnology: A Primer", Morgan and Claypool publishers, March 2007.
11. **E. Papazoglou**, M.S Weingarten, L. Zubkov L, L. Zhu, S. Tyagi, K. Pourezaei, "Near infrared diffuse optical tomography: improving the quality of care in chronic wounds of patients with diabetes." *Biomed Instrum Technol*. 2007 Jan-Feb;41(1):83-7.
12. **E. Papazoglou**, L. Zubkov, M. Weingarten, L. Zhu, S. Tyagi, K. Pourrezaei, "Optical Properties of Wound Tissue in Diabetic and Healthy Animals", IEEE Trans. Biomed. Eng., 53(6), 1047-1055, 2006.
13. M. Weingarten, **E. Papazoglou**, L. Zubkov, L. Zhu, K. Pourrezaei, G. Vorona, A. Walchak "Measurement of optical properties to quantify healing of chronic diabetic wounds", Wound Repair and Regeneration, 14, 364, May-June 2006.
14. A. Kriete, **E. Papazoglou**, B. Edrissi, H. Pais, K. Pourrezaei, "Automated Quantification of Q-dot Labeled EGFr Internalization via Multi-Scale Image Segmentation", Journal of Microscopy, 222(1), 22-27, April 2006.