

### **Selected Publications, Paul Sammak, Ph.D.**

- Erb, T. M., P. Rodriguez-Collazo, S.E. Mucko, L.C. Cote, E.P. Jane, A.K. Wehn, S. Leuba, **P. J. Sammak**, Centromeric Heterochromatin Assembly, Deacetylase and methyltransferase activity during hESC Differentiation Stem Cells. Submitted, PLoS ONE, 2009. 29. Mangoubi, R., M. Desai, A. Edelmayer and **P Sammak**, Robust Detection and Estimation in Dynamic Systems and Statistical Signal Processing: Intersections, Parallel Paths and Applications, ecc09 plenary March 2009.
- Desai, M., Mangoubi, R., **Sammak, P.** Noise Adaptive Matrix Edge Field Analysis Of Small Sized Heterogeneous Onion Layered Textures For Characterizing Human Embryonic Stem Cell Nuclei, *Sixth IEEE Biomedical Imaging: From Nano to Macro*.
- Mangoubi, R., M. Desai, D. **P. J. Sammak**, Non-Gaussian Methods in Biomedical Imaging. 37th IEEE Applied Imagery Pattern Recognition. 2008.
- Ozolek, J. A., E. P. Jane, J. E. Esplen, P. Petrosko, A. K. Wehn, T. M. Erb, S. E. Mucko, L. E. Cote, **P. J. Sammak**, (2009) In Vitro Neural Differentiation of Human Embryonic Stem Cells Using a Low-Density Mouse Embryonic Fibroblast Feeder Protocol, In *Human Embryonic Stem Cells: Methods and Protocols*, (ed. K. Turksen), in press. Totowa, NJ: Humana/Springer.
- Mangoubi, R., Desai, M., Lowry, N., **Sammak, P. J.**, (2008), Performance evaluation of stem cell multiresolution texture analysis, *Fifth IEEE Biomedical Imaging: From Nano to Macro*, 5: 380-383.
- Sammak, P. J.**, Abraham, V., Ghosh, R., Haskins, J., Jane, E., Petrosko, P., M., E. T., Kinney, T. N., Jefferys, C., Desai, M. et al. (2008). High Content Analysis of Human Embryonic Stem Cell Growth and Differentiation. In **High Content Screening: Science, Techniques, and Applications**, Methods in Enzymology. 2008 (ed. S. A. Hanney). Hoboken, NJ: John Wiley.
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- Ozolek, J. A., Jane, E. P., Krosowski, L. A. and **Sammak, P. J.** (2007). Human embryonic stem cells (HSF-6) show greater proliferation and apoptoses when grown on glioblastoma cells than mouse embryonic fibroblasts at day 19 in culture: Comparison of proliferation, survival, and neural differentiation on two different feeder cell types. **Stem Cells and Development**, 16:403-412.
- Constantinescu, D., Gray, H. L., **Sammak, P. J.**, Schatten, G. P. and Csoka, A. B. (2005). Lamin A/C Expression is a Marker of Mouse and Human Embryonic Stem Cell Differentiation. **Stem Cells**, 2004-0159.