

**Recent Publications**  
**RICHARD BORGENS**

**Select Refereed Publications and Invited Reviews**

- [1] R.B. Borgens, "Restoring Function to the Injured Human Spinal Cord," in *Advances in Anatomy, Embryology and Cell Biology*, Springer-Verlag, Heidelberg, Germany, Monograph, 2003.
- [2] D.S. Duerstock, C.L. Bajaj, and R.B. Borgens, "A Comparative Study of the Quantitative Accuracy of Three-Dimensional Reconstructions of Spinal Cord From Serial Histological Sections," *J. Microscopy*, 2003 (in press).
- [3] H.A. McNally and R.B. Borgens, "Three-Dimensional Imaging of Living and Dying Neurons with Atomic Force Microscopy," *J. Neurocytology*, 33:251-258, 2004.
- [4] P. Lavery, A. Leskovic, G. Breur, J. Coates, R. Bergman, W. Widmer, J. Toombs, S. Shapiro, and R. Borgens, "A Preliminary Study of Intravenous Surfactants in Paraplegic Dogs: Polymer Therapy in Canine Clinical SCI," *J. Neurotrauma*, 21(12):1767-1777, 2004.
- [5] S. Shapiro, R. Borgens, R. Pascuzzi, K. Roos, M. Groff, S. Purvines, R. Rodgers, S. Hagy, P. Nelson, "Oscillating Field Stimulation for Complete Spinal Cord Injury in Humans: A Phase 1 Trial," *J. Neurosurg Spine*, 2:3-10, 2005.
- [6] A. Koob, B. Duerstock, C. Babbs, Y. Sun, R. Borgens, "Intravenous PEG Inhibits the Loss of Cerebral Cells After Brain Injury," (in press), 2005.