bio>>

Yinghui Zhong, Ph.D.

Education

Ph.D. in Biomedical Engineering, Georgia Institute of Technology, Atlanta, GA, 2006

M.S. in Biological Sciences and Biotechnology, Tsinghua University, Beijing, China, 1999

B.S. in Materials Science and Engineering, Tsinghua University, Beijing, China, 1996

Awards and Honors

- 2005 ***Journal of Neural Engineering Award*** (highest award and the only winner) of the 2nd International IEEE EMBS Conference on Neural Engineering, Arlington, VA, USA
- 2005 ***Neural Engineering Excellence Travel Award*** of the 2nd International IEEE EMBS Conference on Neural Engineering, Arlington, VA, USA
- 2005 ***Neural Interfaces Workshop Competitive Travel Award*** of the National Institute of Neurological Disorders and Stroke (NINDS) workshop, Bethesda, MD, USA
- 1998 ***Guanghua Prize for Outstanding Research***, Tsinghua University, China

Publications

- **Zhong Y.**, and Bellamkonda R.V., "Biomaterials for the central nervous system". *Journal of the Royal Society Interface,* 5(26), 957-975, (2008).
- **Zhong Y.**, and Bellamkonda R.V., "Dexamethasone-coated neural probes elicit attenuated inflammatory response and neuronal loss compared to uncoated neural probes". *Brain Research,* 1148, 15-27, (2007).
- Patz T.M., Doraiswamy A., Narayan R.J., Menegazzo N., Kranz C., Mizaikoff B., **Zhong Y**., Bellamkonda R., Bumgardner J.D.,. Elder S.H, Walboomers X.F., Modi R. and Chrisey D.B., "Matrix assisted pulsed laser evaporation of biomaterial thin films". *Materials Science and Engineering: C,* 27(3), 514-522, (2007).
- **Zhong Y.**, and Bellamkonda R.V., "Cortical reponses to dexamethasone coated silicon neural probes". *Tissue Engineering,* 12(4), 1037, (2006).
- Patz T.M., Doraiswamy A., Narayan R.J., He W., **Zhong Y.**, Bellamkonda R., Modi R., and Chrisey D.B., "Three-Dimensional Direct Writing of Neuroblasts", *Journal of Biomedical Materials Research B,* , 78 (1), 124-130, (2006).
- **Zhong Y.**, and Bellamkonda R.V., "Controlled release of • -MSH using nitrocellulose coatings for neural implants". *Journal of Controlled Release*, 106(3), 309-318, (2005).
- **Zhong Y.**, McConnell G.C., Ross J.D., DeWeerth S.P., And Bellamkonda R.V., "A Novel Dexamethasone-releasing, Anti-inflammatory Coating for Neural Implants". *Proceedings of the 2nd International IEEE EMBS Conference on Neural Engineering,* pp. 522-525, (2005). (win the Journal of Neural Engineering Award 2005)
- Patz T.M., Doraiswamy A., Narayan R.J., Menegazzo N., Kranz C., Mizakoff B., **Zhong Y**., Bellamkonda R., Modi R., Chrisey D.B., "Matrix assisted pulsed laser evaporation of dexamethasone thin films". Materials Research Society Symposium Proceedings, 845, 77-81 (2005)

- **Zhong Y.**, Yu X., Gilbert R.J., and Bellamkonda R.V., "Stabilizing electrode-host interfaces: a tissue engineering approach". *Journal of Rehabilitation Research and Development*, 38(6), 627-632, (2001).
- Gong H., **Zhong Y.**, Li J., Gong Y., Zhao N. and Zhang X., "Studies on nerve cell affinity of chitosan-derived materials", *Journal of Biomedical Materials Research,* 52(2), 285-295, (2000).
- **Zhong Y.**, Li J., Gong Y., Zhao N., and Zhang X., "Feasibility of Using Chitosan in Nerve Repair", *Tsinghua Science and Technology*, 5(4), 432-435, (2000).
- Li J., **Zhong Y.**, Gong Y., Zhao N., and Zhang X., "Chitosan Conduit for Peripheral Nerve Regeneration", *Tsinghua Science and Technology*, (4)3, 1515-1518, (1999).