

## VITA

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### I. Biographical Information:

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### II. Education:

PhD Program, Dept. of Molecular and Medical Pharmacology  
Entrance Date: September 2006  
University of California-Los Angeles, Westwood, CA

Life Sciences and Mathematics Studies, September 1999 – September 2001  
University of California-Los Angeles, Westwood, CA

Master of Arts in Clinical Psychology, August 1998  
Pepperdine University Graduate School of Education and Psychology, Culver City, CA

Post-Baccalaureate Studies, September 1994 – May 1996  
Rutgers University, New Brunswick, NJ

Bachelor of Science, April 1994  
Florida State University, Tallahassee, FL

- Major: Psychology
- Minor: Communication

### III. Publications:

Nakano, I., **Masterman-Smith, M.**, Saigusa, K., Paucar, A., Horvath, S., Shoemaker, L., Watanabe, M., Negro, A., Bajpal, R., Howes, A., Lelievre, V., Waschek, J.A., Lazareff, J.A., Freije, W.A., Liao, L.M., Gilbertson, R.J., Cloughesy, T.F., Geschwind, D.H., Nelson, S.F., Mischel, P.S., Terskikh, A.V., Kornblum, H.I. Maternal embryonic leucine zipper kinase is a key regulator of the proliferation of malignant brain tumors, including brain tumor stem cells. *Journal of Neuroscience Research* (in press).

Bublik, M., Sercarz, J.A., Lufkin, R.B., **Masterman-Smith, M.**, Polyakov, M., Paiva, P.B., Blackwell, K.E., Castro, D.J., Paiva, M.B. Ultrasound-guided laser-induced thermal therapy of malignant cervical adenopathy. *Laryngoscope*. 2006 Aug;116(8):1507-11.

Hemmati, H., Nakano, I., Lazareff, J.A., **Masterman-Smith, M.**, Geschwind, D.J., Bronner-Fraser, M., Kornblum H.I. Cancerous stem cells can arise from pediatric brain tumors. *Proc Natl Acad Sci* 2003 Dec; 100(25): 15178-15183.

Virella A.A., Galarza M., **Masterman-Smith M.**, Lemus R., Lazareff J.A. Distal slit valve and clinically relevant CSF overdrainage in children with hydrocephalus. *Childs Nerv Syst* 2002 Feb;18(1):15-8.

AT&T Bell Laboratories. (1993, August). Customer Trouble Reporting System: User survey results on organizational structure and subjective satisfaction ratings (User Interface Planning and Development Division 51134). Somerset, NJ: **Masterman-Smith, M.**, Crossner, M.S., & Troncone, C.L.

#### IV. Abstracts and Presentations:

Nakano, I., Jackson, R., **Masterman-Smith, M.**, Paucar, A., Liao, L., Lazareff, J., Geschwind, D., Nelson, S., Mischel, P., Kornblum, H. Identification of maternal embryonic leucine zipper kinase (MELK) as an important regulator of glioblastoma multiforme and medulloblastoma proliferation and survival. Presented at the Annual Meeting of the Society for Neuroscience, Washington, D.C., November 12-16, 2005.

Kornblum, H., Hemmati, H., Nakano, I., **Masterman-Smith, M.**, Bronner-Fraser, M., Lazareff, J., Nelson, S., Liao, L., Mischel, P., Geschwind, D. Neural stem cells, brain tumors, and brain tumor stem cells. Presented at the 96th American Association of Cancer Research Annual Meeting, Anaheim/Orange County, CA, April 16-20, 2005. (*Review Article*) Proc Amer Assoc Cancer Res 2005;46:[SY23]

Tao, M.L., **Masterman-Smith, M.**, Garvie, P., O'Leary T., Parsons S. Quality of Life Assessment (QUOLA) in pediatric brain tumor population: Feasibility and measurement properties of a new brain-specific instrument. Presented at the 11<sup>th</sup> International Symposium on Pediatric Neuro-Oncology, Boston, MA. Neuro-oncology 6:448, 2004.

Shields, D., **Masterman-Smith, M.**, Bababeggey S., Alger, J., Lazareff, J.A. 1H-Magnetic Resonance Spectroscopic Imaging analysis of occipital lobe anatomy in blind and non-blind pediatric patients. Presented at the Annual Meeting of the American Association of Neurological Surgeons, Orlando, FL May 1-6, 2004.

Spinks, T.J., **Masterman-Smith, M.**, Lowry, A., Lazareff, J.A. Neurosurgical interventions in developing countries: A new model for a new age. Presented at the Annual Meeting of the American Association of Neurological Surgeons, San Diego, CA, April 26-May 1, 2003.

Spinks, T.J., **Masterman-Smith M.**, Taché V., Lazareff, J.A. Diagnostic delay in low grade pediatric intracranial tumors. Presented at the Annual Meeting of the American Association of Neurological Surgeons, San Diego, CA, April 26-May 1, 2003.

Tao, M.L., **Masterman-Smith, M.**, Parsons S. Quality of Life Assessment (QUOLA) tool for pediatric brain tumor patients: lessons learned. Presented at the Annual Meeting of the American Society of Clinical Oncology, Orlando, FL, May 18, 2002.

#### V. Patents

Kornblum, H.I., Geschwind, D.H., Nakano, I., Dougherty, J.D., Lazareff, J.A., Mischel, P.S., **Masterman-Smith, M.**, Huang, J. "Compositions and Methods for Diagnosing and Treating Brain Cancer and Identifying Neural Stem Cells." U.S. application 11/576,444 based on international patent application PCT/US05/035355

Kamei K., Sun, J., **Masterman-Smith, M.**, Tseng, H.R., Mischel, P.S., Nathanson, D., Huang, T., "Microfluidic Cell Culture Array for Drug Screening and Image Probe Discovery." Provisional patent application submitted April 7, 2007.