

Curriculum Vitae – October 2009

Jacob Bollinger, Ph.D

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- Education:** 1999-2006 Ph.D, UC San Francisco
1995-1999 B.S., Biochemistry, UC San Diego
1992-1995 Montgomery High School, Santa Rosa, CA
- Postgraduate Training:** 2007 *Postdoctoral Fellow*
UC, San Francisco
(Prof. Michael Merzenich)
2007-Present *Postdoctoral Fellow*
UC, San Francisco
(Dr. Adam Gazzaley)
- Expertise:** Electroencephalography (EEG)
Functional Magnetic Resonance Imaging (fMRI)
Transcranial Magnetic Stimulation (TMS)
Neurophysiology; *In vivo* cortical recording
Molecular Transgenics
- Professional Societies:** Society For Neuroscience
- Academic Honors:** Graduated Magna Cum Laude (1999) -- UC, San Diego
Dean's List, Honor Roll (1995-1999) – UC, San Diego
Member of the Golden Key National Honor Society
- Ad-Hoc Journal Reviewer:** Journal of Neuroscience
Neurobiology of Aging
Neuropsychologia
Cerebral Cortex
Neuroimage
Brain Research

Teaching/Mentoring

2006 Basic Neuroscience (teacher, professional-school students)
2008 Sofia Marden – Research Assistant
2008 Edrick Masangkay – Research Assistant
2009 Jennifer Gaudio – Research Assistant
2009 Natasha Choudri
2009 Sharon Jiang

Abstracts and Publications

- ***Bollinger, J** & Gazzaley, A. (2009) Distinct fronto-parietal networks modulate anticipatory gain and encoding signals; effects of category cueing. (*In preparation*)
- ***Bollinger, J.**, Masangkay, E., Zanto, T.P. & Gazzaley, A. (2009) Age differences in N170 amplitude modulation by selective attention and working memory load. Abstract. *Society For Neuroscience (SFN), 2009.*
- ***Bollinger, J.**, Masangkay, E., Zanto, T.P. & Gazzaley, A. (2009) N170 amplitude modulation by selective attention and working memory load. Abstract. *Bay Area Memory Meeting (BAMM), 2009.*
- ***Bollinger, J.**, Gazzaley, A. (2009) Neural evidence of an anticipatory deficit in cognitive aging. (*In revision*)
- ***Bollinger, J.**, Merzenich, M.M. (2009) Adult auditory cortical plasticity modulated by locus coeruleus activity. *J Neurophysiol.* (*In revision*)
- ***Bollinger, J.**, Tecott, L.H. (2009) The influence of age-related hearing loss on development of audiogenic seizures in 5-HT_{2C} receptor knockout C57BL/6J mice. (*In preparation*)
- ***Bollinger, J.**, Gazzaley, A. (2008) Pre-stimulus alpha power reflects anticipation of both stimulus category for complex objects and task goals. Abstract. *Society For Neuroscience (SFN), 2008.*
- ***Bollinger, J.**, Gazzaley, A. (2008) Pre-stimulus alpha synchronization reflects anticipation of stimulus category for complex objects. Abstract. *Bay Area Memory Meeting (BAMM), 2008.*
- ***Bollinger, J.**, Gazzaley, A. (2008) Pre-stimulus alpha power reflects anticipation of both stimulus category for complex objects and task goals. Abstract. *Bay Area Neuroscience Gathering (BANG), 2008.*
- ***Bollinger, J.** (2006) Thesis: Adult auditory cortical plasticity modulated by locus coeruleus activity.
- *Sekirnjak, C., Vissel, B., **Bollinger, J.**, Faulstich, M., and du Lac, S. (2003) Purkinje cell synapses target physiologically unique brainstem neurons. *J Neurosci.* **23**:6392-6398.

Grants:

A.P. Giannini Foundation Medical Fellowship (*submitted*)
2008-2010 NIH LRP Award