

LARA FOLAND

lfoland@ucla.edu

Laboratory of Neuro Imaging, Neuroscience Research Building
University of California, Los Angeles, CA 90095 • (310) 267-5147

RESEARCH INTERESTS:

Functional and structural neuroimaging of bipolar disorder.

EDUCATION:

9/04-present **Doctor of Philosophy in Neuroscience**
University of California, Los Angeles

6/01 **Bachelor of Arts in Psychobiology**
University of California, Santa Cruz

RESEARCH EXPERIENCE:

6/05-present **Graduate Student Researcher**
University of California, Los Angeles, Dept. of Neurology
Primary Mentor: Paul Thompson, Ph.D.
Los Angeles, CA

7/04 – 9/04 **Research Assistant**
University of California, Los Angeles, Dept. of Psychology, Psychiatry, and Human Genetics
Project Director: Ty Cannon, Ph.D.
Los Angeles, CA

3/03 – 6/04 **Research Assistant**
Stanford University, School of Medicine, Dept. of Radiology
Project directors: Gary Glover, Ph.D., Judith Ford, Ph.D.
Stanford, CA

5/02 – 9/02 **Research Assistant**
University of California, Santa Cruz, Dept. of Psychobiology
Project Director: Bruce Bridgeman, Ph.D.
Santa Cruz, CA

4/01 – 6/01 **Research Assistant**
University of California, Santa Cruz, Dept. of Psychology
Project Director: Mara Mather, Ph.D.
Santa Cruz, CA

6/00 – 9/00 **Research Assistant**
University of California, San Francisco Medical School, Dept. of Neurology
Project Directors: Bruce Miller, M.D., Joel Kramer, Psy.D.
San Francisco, CA

3/00 – 6/00 **Research Assistant**
University of California, Santa Cruz, Dept. of Biology
Project Director: Barry Sinervo, Ph.D.
Santa Cruz, CA

**TEACHING
EXPERIENCE:**

- 6/01 -8/01 **Teaching Assistant**
California State Summer School for Mathematics and Science (COSMOS)
Center for Adaptive Optics, University of California, Santa Cruz
Santa Cruz, CA
- 9/00 – 3/01 **Teaching Assistant**
Experimental Biology Lab
University of California, Santa Cruz, Dept. of Biology
Santa Cruz, CA
- 9/00 – 12/00 **Teaching Assistant**
Introduction to Psychobiology
University of California, Santa Cruz, Dept. of Biology
Santa Cruz, CA

**CLINICAL
EXPERIENCE:**

- 5/01 – 3/03 **EEG Biofeedback Technician**
Brainwave Center
Clinic Director: Steven Padgitt, Ph.D.
Santa Cruz, CA

**PROFESSIONAL
ACTIVITIES:**

- Peer Reviewer for the *American Journal of Psychiatry*
- Peer Reviewer for *Human Brain Mapping*

RESEARCH PAPERS:

- Altshuler L, Abulseoud O, Bartzokis G, Foland L, Mintz J, Chang S, Vinters H (in preparation). Low glial cell numbers in the amygdala in unipolar depression but not bipolar disorder or schizophrenia.
- Foland L, Altshuler L, Sugar C, Lee A, Leow A, Townsend J, Narr K, Asuncion DM, Toga A, Thompson P (in press). Increased volume of the amygdala and hippocampus in bipolar patients treated with lithium. *Neuroreport*.
- Foland L, Altshuler L, Eisenberger N, Townsend J, Bookheimer S, Thompson P (in press). Evidence for deficient modulation of amygdala response by prefrontal cortex in bipolar mania. *Psychiatric Research: Neuroimaging*.
- Thomason M, Foland L, Glover G (2007). Calibration of BOLD fMRI using breath holding reduces group variance during a cognitive task. *Human Brain Mapping* 1, 59-68.

BOOK CHAPTERS:

Bilder R, Poldrack R, Parker D, Reise S, Jentsch J, Cannon T, London E, Foland L, Rizk A, Kalar D, Brown N, Carstensen A, Freimer A (in press). Cognitive Phenomics. To appear in the Handbook of Neuropsychology of Mental Disorders. Eds Wood S, Allen N, Pantelis C. Melbourne Neuropsychiatry Centre & ORYGEN Research Centre, Departments of Psychiatry & Psychology, University of Melbourne

ABSTRACTS, SLIDE PRESENTATIONS:

Foland L, Altshuler L, Sugar C, Leow A, Toga A, Thompson P (2007). Lithium and Mood State Effects on Brain Structure in Subjects with Bipolar Disorder. *Society for Neuroscience*; San Diego, CA. ****Official pressbook selection****

Townsend J, Altshuler L, Cohen M, Eisenberger N, Foland L, Bookheimer S (2007). Persistent deficits in orbitofrontal cortex function in euthymic bipolar subjects. *Society for Neuroscience*; San Diego, CA. ****Official pressbook selection****

Foland L, Altshuler L, Eisenberger N, Townsend J, Bookheimer S, Thompson P (2006). Deficient modulation of amygdala activity by prefrontal cortex in bipolar mania. *Society for Neuroscience*; Atlanta, GA.

ABSTRACTS, POSTER PRESENTATIONS:

Foland L, Townsend J, Bookheimer S, Thompson P, Altshuler L (submitted). A functional magnetic resonance imaging study of bipolar disorder: elucidation of state- and trait-related changes in prefrontal cortex. *Society of Biological Psychiatry*; Washington D.C.

Foland L, Altshuler L, Narr K, Bartzokis G, Alagband Y, Townsend J, Toga A, Thompson P (submitted). Can brain structure change with mood? An exploratory analysis of mood-state related changes in amygdala volume in subjects with bipolar disorder. *American Psychiatric Association*; Washington D.C.

Townsend J, Bookheimer S, Foland L, Altshuler L (submitted). Working memory network differences in bipolar mania and euthymia: an fMRI study. *Society of Biological Psychiatry*; Washington D.C.

Foland L, Altshuler L, Eisenberger N, Townsend J, Bookheimer S, Thompson P (2007). Functional connectivity of fronto-limbic networks in bipolar mania during an affective faces task. *Organization for Human Brain Mapping*; Chicago, IL.

Foland L, Altshuler L, Leow A, Lee A, Lu A, Asuncion D, Toga A, Thompson P (2006). A Tensor-Based Morphometric Study of Bipolar Disorder. *Organization for Human Brain Mapping*; Florence, Italy.

Glover G, Foland L, & FIRST BIRN (2004). Scanner Quality Assurance for Longitudinal or Multicenter fMRI Studies. *International Society for Magnetic Resonance in Medicine*; Kyoto, Japan.

Foland L, Thomason M, FIRST BIRN & Glover G (2004). Calibration of fMRI Activation for the FIRST BIRN Project. *International Society for Magnetic Resonance in Medicine*; Kyoto, Japan.

Foland L, Thomason M, FIRST BIRN, Glover G (2004). Calibrating Functional MRI Data across Subjects and Scan Sites. *Society for Neuroscience*; San Diego, CA.

Morris S, Brown G, Glover G, Foland L, Bischoff-Grethe A, Liu T, Ozyurt B, Turner J, FIRST BIRN (2004). The stability of primary sensory activation in fMRI across sites: Initial Calibrations. *Society for Neuroscience*; San Diego, CA.

**PROFESSIONAL
AFFILIATIONS:**

Society for Neuroscience

Society of Biological Psychiatry

Women in Neuroscience

Human Brain Mapping

**AWARDS AND
FELLOWSHIPS:**

08/07	UCLA Outstanding Graduate Trainee Award in Neuroscience
8/07	NIDA Special Course Fellowship, UCLA Advanced Neuroimaging Summer School
6/07	Organization for Human Brain Mapping (OHBM) Travel Award
3/07-7/09	NIMH Pre-doctoral National Research and Service Award (NRSA)
9/06	UCLA Outstanding Graduate Trainee Award in Neuroscience
6/06	Organization for Human Brain Mapping (OHBM) Travel Award
12/05	UCLA Quality of Graduate Education Special Course Fellowship, University College London's SPM short course
9/04-6/05	UCLA Graduate Division Fellowship

References Available Upon Request