

MEGAN A. MARLOW-O'CONNOR, PH.D.
CURRICULUM VITAE

PERSONAL INFORMATION

Work Address: 200 S. Michigan Avenue
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Chicago, IL. 60604

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Professional License: Illinois Licensed Clinical Psychologist, 071-007256 (2007)

EDUCATION

2005-2007 University of Illinois at Chicago
Postdoctoral Fellowship in Clinical Neuropsychology
Department of Psychiatry and Center for Cognitive Medicine

2004-2005 Jesse Brown VA Medical Center
Clinical Psychology Internship, Neuropsychology Specialization (APA approved)
Department of Psychology

2003-2005 Rosalind Franklin University of Medicine and Science (Formerly Finch University of Health Sciences/Chicago Medical School)
North Chicago, Illinois
Degree: Ph.D. in Psychology
Dissertation Project: *FMRI Indices of Frontal Activation Associated with Sensory Gating Deficits in Schizophrenia*

1999-2003 Finch University of Health Sciences/Chicago Medical School
North Chicago, Illinois
Degree: M.S. in Psychology
Master's Project: *Differential Effects of Methoxy-idazoxan on P13 and N40 Components of the Rat Auditory Evoked Potential: Implications for an Animal Model of Sensory Gating Deficits in Schizophrenia*

1994-1998 Ohio State University
Columbus, Ohio
Degree: Bachelor of Science, Psychology

HONORS & AWARDS

2001-2003 Scottish Rite Fellowship for schizophrenia research (\$15,000 per year)

1998 First place award in Ohio State University's Undergraduate Research Forum in the category of Social and Behavioral Sciences with presentation of project entitled *Cortical Acetylcholine Release during Performance in a Vigilance Task*

CLINICAL EXPERIENCE

- 2007-Present Clinical Neuropsychologist
Isaac Ray Forensic Group, LLC
Chicago, Illinois
- 2007-Present Clinical Neuropsychologist
Neurobehavioral Associates, PC
Chicago, Illinois
- 2005-2007 Postdoctoral Fellowship in Clinical Neuropsychology
University of Illinois at Chicago, Department of Psychiatry and Center
for Cognitive Medicine
Chicago, Illinois
- 2004-2005 Clinical Psychology Internship, Neuropsychology Specialization
Jesse Brown VA Medical Center, Department of Psychology Chicago,
Illinois
- 2003-2004 Advanced Forensic Neuropsychology Externship
Isaac Ray Forensic Group, LLC
Chicago, Illinois
- 2002-2003 Cognitive Behavioral Therapy Externship
University of Chicago Hospitals, Department of Psychiatry
Chicago, Illinois
- 2001-2002 Advanced Neuropsychology Externship
University of Chicago Hospitals, Department of Psychiatry
Chicago, Illinois
- 2000-2001 Psychology Externship
Elgin Mental Health Center, Forensic Treatment Program
Elgin, Illinois
- 1999-2000 Psychology Externship
Elgin Mental Health Center
Elgin, Illinois

RESEARCH EXPERIENCE

- 2005-2007 University of Illinois at Chicago, Center for Cognitive Medicine
Project: Functional neuroimaging in pediatric bipolar disorder
Role: Postdoctoral Research Fellow
- 2002-2004 University of Illinois at Chicago/University of Chicago, Departments of
Psychiatry
Project: Structural neuroimaging in schizophrenia
Role: Project Coordinator

2002 University of Chicago, Departments of Psychiatry and Cellular and Radiation Oncology
Project: Structural neuroimaging in brain tumor patients
Role: Research Assistant

TEACHING EXPERIENCE

2003-2004 **Brains2 Software Laboratory Instructor**
Instructor for Brains2 software laboratory.
Prepared and lead weekly computer laboratory sessions on the use of Brains2 structural neuroimaging software.

2000-2002 **Graduate Teaching Assistant - Statistics**
Assistant for applied physiology statistics course.
Prepared and lead weekly recitation sessions; graded assignments; individual tutoring.

PROFESSIONAL ORGANIZATIONS & AFFILIATIONS

American Psychological Association
APA Division of Clinical Neuropsychology (Div. 40)
International Neuropsychological Society
Midwest Neuropsychology Group

PEER REVIEWED ARTICLES

Pavuluri, M.N., **Marlow O'Connor, M.**, Harral, E.M., Moss, M., & Sweeney, J.A. Impact of neurocognitive function on academic difficulties in pediatric bipolar disorder: a clinical translation. Biological Psychiatry, 60 (9): 951-956, 2006.

Pavuluri, M.N., Henry, D.B., Nadimpalli, S.S., **Marlow O'Connor, M.**, & Sweeney, J.A. Biological risk factors in pediatric bipolar disorder. Biological Psychiatry, 60 (9): 936-941, 2006.

Keedy S.K., **Marlow-O'Connor M.**, Beenken B., Dorflinger J., Abel M., & Erwin R. Noradrenergic antagonism of the P13 and N40 components of the rat auditory evoked potential. Psychopharmacology, 190 (1): 117-125, 2007.

Pavuluri, M.N., **Marlow-O'Connor, M.**, Harral, E., & Sweeney, J.A. Affective neural circuitry during facial emotion processing in pediatric bipolar disorder. Biological Psychiatry, (in press).

Goldman, M.B., Torres, I.J., Keedy, S., **Marlow-O'Connor, M.**, Beenken, B., & Pilla, R. Reduced anterior hippocampal formation volume in hyponatremic schizophrenic patients. Hippocampus, (in press).

Pavuluri, M.N., **Marlow-O'Connor, M.**, Harral, E.M., & Sweeney, J.A. An fMRI study of the interface between affective and cognitive circuitry in pediatric bipolar disorder. Neuroimaging, (in press).

Marlow-O'Connor, M & Pavuluri, MN. Mapping the facial emotion processing circuit: Developmental differences between adolescents and adults (under review).

Schenkel, L.S., **Marlow O'Connor, M.**, Moss, M., Sweeney, J.A., & Pavuluri, M.N. Theory of mind and social inference in pediatric bipolar disorder. (under review).

ABSTRACTS & PRESENTATIONS

Goldman, M.B., Carter, S., **Marlow O'Connor, M.**, & Torres, I. Mechanism of Neuroendocrine Dysfunction in Schizophrenia. Poster to be presented at the Society for Neuroscience, San Diego, CA, 2007

Marlow O'Connor, M., Pavuluri, M., Harral, E., & Sweeney, J.A. An fMRI Study of Explicit and Implicit Processing of Facial Emotions in Pediatric Bipolar Disorder. Poster to be presented at Human Brain Mapping, Chicago, IL, 2007.

Pavuluri M., **O'Connor M.M.**, Harral, E., & Sweeney J.A. Brain Function: Mapping Affective and Cognitive Circuitry in Pediatric Bipolar Disorder. Poster presented at Cognitive Neuroscience Society, New York, NY, 2007.

Shuohi, CY., Pavuluri M, Srinivasan, G., **O'Connor MM**, Harral, E., Sweeney JA, & Zhou XJ. Diffusion Tensor Imaging in Pediatric Bipolar Disorder, Oral presentation, International Society for Magnetic Resonance in Medicine, May 2007.

Pavuluri M., Yang, S.C., Srinivasan, G., **O'Connor M.M.**, Harral, E., Sweeney J.A., & Zhou X.J. Diffusion Tensor Imaging of Five White Fiber Tracts in Pediatric Bipolar Disorder, Poster presented, NIMH Pediatric Bipolar Disorder Conference Annual Meeting, Bethesda, MD, 2007.

Marlow O'Connor, M., Pavuluri, M., Harral, E., & Sweeney, J.A. An fMRI Study of Facial Emotion Processing in Pediatric Bipolar Disorder. Poster presented NIMH Pediatric Bipolar Disorder Conference Annual Meeting, Bethesda, MD, 2007.

Torres I.J., Keedy S., **Marlow-O'Connor M.**, Beenken B., Goldman M.B. Anterior hippocampal volume reduction is associated with cognitive impairment in schizophrenic patients with water imbalance. Poster presented at International Congress for Schizophrenia Research, Colorado Springs, CO, 2007.

Dorflinger, J., **O'Connor, M.M.**, Pavuluri, M.N. & Stanford, L.D. Neuropsychological Profiles of Pediatric Bipolar Disorder and Subtypes of ADHD. Poster presented at International Neuropsychological Society Annual Meeting, Portland, OR, 2007.

Pavuluri, M.N., **O'Connor, M.M.**, Harral E.M. & Sweeney, J.A. Lamotrigine Effects on Neurocognition in Pediatric Bipolar Disorder. Poster presented at American College of Neuropsychopharmacology, Hollywood, FL, 2006.

Afshar, A.A., **O'Connor, M.M.**, Harral., E.M., Moss, M., Sweeney, J.A. & Pavuluri, M. Study Looking at Pre and Post Lamotrigine Effects on Neurocognitive Function in Children with

Pediatric Bipolar Disorder. Poster presented at American Academy of Child Psychiatry, San Diego, CA, 2006.

O'Connor, M.M., Pavuluri, M.N., Aryal, S., Harral, E.M., Herbener, E., & Sweeney, J.A. An fMRI Study of the Interface Between Affective and Cognitive Circuitry in Pediatric Bipolar Disorder Using an Emotional Stroop Task. Poster presented at the Midwest Neuropsychology Group Annual Meeting, Chicago, IL, 2006.

O'Connor, M.M., Pavuluri, M.N., Harral, E.A., & Sweeney, J.A. An fMRI Study of Emotional Processing and Affective Circuitry in Pediatric Bipolar Disorder. Poster presented at the Society of Biological Psychiatry Annual Meeting, Toronto, Ontario, Canada, 2006.

O'Connor, M.M., All, S., Charles, D., Hartzell, A., Rao, S., Risinger, R., & Erwin, R.J. FMRI Indices of Frontal Activation Associated with Sensory Gating Deficits in Schizophrenia. Poster presented at the Society of Biological Psychiatry Annual Meeting, Toronto, Ontario, Canada, 2006.

Erwin, R.J., Rao, S., Dorflinger, J., **O'Connor, M.M.**, Keedy, S., Pendergrass, J.C., Risinger, R., All, S., & Hartzell, A. FMRI Indices of Hippocampal Activation Associated with Sensory Gating Deficits in Schizophrenia. Poster presented at the Society of Biological Psychiatry Annual Meeting, Toronto, Ontario, Canada, 2006.

O'Connor, M.M., Pavuluri, M.N., Harral, E.A., & Sweeney, J.A. An fMRI Study of Emotional Processing and Affective Circuitry in Pediatric Bipolar Disorder. Poster presented at the NIMH Pediatric Bipolar Disorder Conference Annual Meeting, Chicago, IL, 2006.

Schenkel, L. S., Marlow-O'Connor, M., Moss, M., Little, D., Sweeney, J. A., & Pavuluri, M. N. Theory of mind and social inference in pediatric bipolar disorder. Poster presented at the NIMH Pediatric Bipolar Disorder Conference Annual Meeting, Chicago, IL, 2006.

O'Connor, M., Pavuluri, M. N., Aryal, S., Harral, E. & Sweeney, J.A. An fMRI Study of the Interface Between Affective and Cognitive Circuitry in Pediatric Bipolar Disorder. Poster presented at the International Neuropsychological Society Annual Meeting, Boston, MA, 2006.

Pavuluri M., **O'Connor M.M.**, Aryal S., Harral, E., Herbener E., & Sweeney J.A. fMRI study of the interface between affective and cognitive circuitry in euthymic unmedicated pediatric bipolar patients. Poster presented at the American College of Neuropsychopharmacology, Hawaii, 2006.

Marlow-O'Connor, M., Torres, I., Keedy, S., Beenken, B., Gibbons, R. & Goldman, M. Reduced anterior hippocampal formation volume in patients with schizophrenia and water imbalance. Poster presented at the International Congress of Schizophrenia Research Biennial Meeting, Savannah, GA, 2005.

Keedy, S., Beenken, B., **Marlow-O'Connor, M.**, All, S. D., Moberg, P., Gur, R. C., & Erwin, R. J. P50 subcomponent abnormalities in schizophrenia: Neuropsychological correlates. Poster presented at the International Congress of Schizophrenia Research, Biennial Meeting Savannah, GA, 2005.

Keedy, S., **Marlow-O'Connor, M.**, Torres, I., & Goldman, M. Smaller left amygdala volume predicts greater rating abnormality for fearful and surprised facial expressions among individuals with schizophrenia. Poster presented at the International Neuropsychological Society Annual Meeting, Baltimore, MD, 2004.

Keedy, S., Torres, I., **Marlow-O'Connor, M.**, & Goldman, M. Amygdala structure and associated neuropsychological function in schizophrenia. Poster presented at the International Congress on Schizophrenia Research Biennial Meeting, Colorado Springs, CO, 2003.

Erwin, R., Beenken, B., Keedy, S., **Marlow, M.**, Polk, S., Turetsky, B., & Gur, R. Differential effects of medication status on P50 subcomponent abnormalities in schizophrenia. Poster presented at the International Congress on Schizophrenia Research Biennial Meeting, Colorado Springs, CO, 2003.

Erwin, R., Beenken, B., Keedy, S., **Marlow, M.**, Polk, S., Turetsky, B., & Gur, R. Effects of anxiety on P50 subcomponents of the auditory evoked potential in normal controls and patients with schizophrenia. Poster presented at the Society of Biological Psychiatry Annual Meeting, San Francisco, CA, 2003.

Marlow-O'Connor, M., Beenken, B., Keedy, S., Jones, R., & Erwin, R.J. Effects of methoxy-idazoxan on the P13 and N40 components of the auditory evoked potential in the rat auditory evoked potential: implications for an animal model of sensory gating deficits in schizophrenia. Poster presented at the annual meeting of the Society for Neuroscience, Orlando, FL, 2002.

Keedy, S., **Marlow, M.**, Beenken, B., Vongher, J., Byrnes, K. & Erwin, R.J. Effects of yohimbine on the P13 and N40 components of the auditory evoked potential in the rat model. Poster presented at the annual meeting of the Society for Neuroscience, New Orleans, LA, 2000.