

EZRA WEGBREIT, PH.D.

22 Sullivan St., Cazenovia, NY 13035

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EDUCATION

08/05 - **Ph.D., Psychology** – Brain, Behavior, and Cognition
12/10 **Northwestern University**
Department of Psychology, Evanston, IL

Doctoral dissertation: Emotional influences on the scope of selective visual attention.

08/05- **M.S., Psychology** – Brain, Behavior, and Cognition
08/09 **Northwestern University**
Department of Psychology, Evanston, IL

Master's thesis: The influence of visual attention tasks on verbal problem solving processes.

08/01- **B.S., Psychology**
05/05 **B.A., Philosophy**
Virginia Polytechnic Institute and State University
Blacksburg, VA

Honors Baccalaureate Dual Degree (magna cum laude)

Undergraduate honors thesis: The effects of caffeine on selective attention.

CURRENT POSITION

08/15 - **Assistant Professor**
Present (Visiting Assistant Professor, 2015-2016 academic year)
Psychology Program
Division of Social and Behavioral Sciences
Cazenovia College, Cazenovia, NY

Teaching a 3/4 load (Introduction to Psychology; Brain and Behavior; Cognition; Statistics for Psychology; Learning; Lifespan Development; and History and Systems). Holding office hours and advising students on academic, career, and personal matters. Participating in faculty and divisional meetings. Serving on Faculty Council, as Faculty Secretary, and as the Chair of the Institutional Review Board, and as Psychology Club co-advisor. Serving as a second reader on students' Senior Capstone projects. Serving as the primary reader on students' honors contract papers.

TEACHING EXPERIENCE

Psychology Program, Division of Social and Behavioral Sciences Cazenovia College, Cazenovia, NY

- Fall 2017 **Introduction to Psychology: PS-120-01 and PS-120-02**
(two sections: 23 and 24 students, respectively)
- Cognition: PS-364-01**
(28 students)
- Special Topics: Statistics for Psychology: PS-209A1-01**
(14 students; team task format)
- Spring 2017 **History and Systems: PS-498-01**
(22 students)
- Introduction to Psychology: PS-120-01**
(25 students)
- Lifespan Development: PS-225-01 and PS-225-02**
(two sections, 25 students each)
- Fall 2016 **Introduction to Psychology: SB-120-01 and SB-120-04**
(two sections, 25 students each)
- Brain and Behavior: SB-327-01 and SB-327-02**
(two sections, 25 students each)
- Spring 2016 **Introduction to Psychology: SB-120-02 and SB-120-03**
(two sections, 25 students each)
- Cognition: SB-364-01**
(28 students)
- History and Systems: SB-498-01**
(15 students)
- Fall 2015 **Introduction to Psychology: SB-120-04 and SB-120-05**
(two sections, 25 students each)
- Brain and Behavior: SB-327-01**
(27 students)

Department of Psychology, Weinberg College of Arts and Sciences,

Northwestern University, Evanston, IL

Fall 2010 **Statistical Methods in Psychology: Psych 201** (100 students)

Department of Psychology, School of Continuing Studies,
Northwestern University, Chicago, IL

Summer 2010 **Cognitive Psychology: Psych 228-CN** (10 students)

Winter 2009 **Cognitive Psychology: Psych 228-CN** (11 students)

ONLINE TEACHING EXPERIENCE

Center for Adult and Continuing Education

Cazenovia College, Cazenovia, NY

Summer 2017 **Lifespan Development (online): PS-225-C1**
(10 students)

Learning (online): PS-341-C1
(4 students)

Winter 2016-2017 **Lifespan Development (online): SB-225-C1**
(5 students)

ADDITIONAL TEACHING EXPERIENCE

Graduate Teaching Assistantships

Department of Psychology, Northwestern University

Fall 2008 Research Methods in Psychology (~30 students; sole assistant)

Spring 2008 Cognitive Psychology (~100 students; one of two assistants)

Fall 2007 Introduction to Psychology (~300 students; sole assistant)

Winter 2007 Perception (~100 students; one of two assistants)

Fall 2006 Cognitive Psychology (~80 students; sole assistant)

Spring 2006 Introduction to Neuroscience (~30 students; one of two assistants)

Winter 2006 Research Methods in Psychology (~30 students; sole assistant)

Guest Lectures

Cazenovia College

Fall 2016 I Am Woman, Hear Me Roar (First Year Seminar): “The Psychobiology of Sex and Gender”

Northwestern University

Spring 2008 Cognitive Psychology: "Language"
Fall 2007 Introduction to Psychology: "Human Development"
Fall 2007 Introduction to Psychology (SCS): "Problem Solving and Insight"
Fall 2006 Cognitive Psychology: "Problem Solving"
Fall 2006 Introduction to Neuroscience: "Neuroanatomy"
Spring 2006 Introduction to Neuroscience: "Neuroimaging Techniques"
Spring 2006 Cognitive Psychology: "Problem Solving"
Winter 2006 Research Methods in Psychology: "Survey and Observational Research"

Training in University-level Teaching

Graduate Teaching Certificate Program, Searle Center for Teaching Excellence, Northwestern University. Received Graduate Teaching Certificate in Winter 2010. Participated in yearlong teaching program consisting of seminars, workshops, and discussion groups. Taught psychology course independently. Received in-class feedback on my psychology course from other program participants. Worked with faculty mentor in Psychology Department to analyze and refine my teaching skills.

Teaching of Psychology Program, Department of Psychology, Northwestern University. Participated in separate psychology-specific teaching program, consisting of discussion meetings and practice exercises focused on the discipline-specific challenges in teaching psychology courses.

Additional Independent Teaching Experience

Winter 2009 **Introduction to Psychology**
Center for Talent Development: Saturday Enrichment Program for gifted 6th-9th grade students
Northwestern University, Evanston, IL

Fall 2008 **Inside Science & Statistics** (two sections)
Center for Talent Development: Saturday Enrichment Program for gifted 6th-9th grade students
Northwestern University, Evanston, IL

Spring 2008 **Statistical Research in the Sciences** (two sections)
Center for Talent Development: Saturday Enrichment Program for gifted 7th-9th grade students
Northwestern University, Evanston, IL

GRANTS

NARSAD Young Investigator Award. (declined)

Neurodevelopmental Alterations in Facial Emotion Recognition in Youths and Adults with Bipolar Disorder.

1/15/2016 – 1/15/2018

0% effort calendar

\$70,000 (direct costs)

Mentored Research Scientist Development Award (1K01MH106594-01). (declined)
Developmental neural alterations in youths and adults with bipolar disorder.

5/11/2016 – 5/10/2020

100% effort calendar

\$643,467 (direct costs)

PUBLICATIONS

* = research mentee

Wegbreit, E., Weissman, A. B., Cushman, G. K., Bojanek, E., Kim, K. L., Leibenluft, E., & Dickstein, D.P. (2016). Reversal-learning deficits in childhood-onset bipolar disorder across the transition from childhood to young adulthood. *Journal of Affective Disorders*. 203:46-54. doi: 10.1016/j.jad.2016.05.046. Epub 2016 May 26. PMID: 27280962.

Dickstein, D. P., *Cushman, G. K., Kim, K. L., *Weissman, A.B., & **Wegbreit, E.** (2015). Cognitive remediation: Potential novel brain-based treatment for bipolar disorder in children and adolescents. *CNS Spectrums*. Jul 2:1-9. PMID: 26135596.

Kim, K. L., *Cushman, G. K., *Weissman, A. B., *Puzia, M. E., **Wegbreit, E.**, Tone, E.B., Spirito, A., & Dickstein, D.P. (2015). Behavioral and emotional responses to interpersonal stress: Comparison of adolescents engaged in non-suicidal self-injury to adolescent suicide attempters. *Psychiatry Research*. May 9. doi: 10.1016/j.psychres.2015.05.001. PMID: 26003509

Wegbreit, E., *Weissman, A. B., *Cushman, G. K., *Puzia, M. E., Kim, K. L., Leibenluft, E., & Dickstein, D.P. (2015). Facial emotion recognition in childhood-onset bipolar I disorder: An evaluation of developmental differences between youths and adults. *Bipolar Disorders*. May 8. doi: 10.1111/bdi.12312. PMID: 25951752

Dickstein, D. P., *Puzia, M. E., *Cushman, G. K., *Weissman, A. B., **Wegbreit, E.**, Kim, K. L., Nock, M. K., & Spirito, A. (2015). Self-injurious implicit attitudes among adolescent suicide attempters versus those engaged in non-suicidal self-injury. *Journal of Child Psychology and Psychiatry*. Feb 11. doi: 10.1111/jcpp.12385. [Epub ahead of print]. PMID: 25677262

Wegbreit, E., *Cushman, G. K., *Puzia, M. E., *Weissman, A. B., Kim, K. L., Laird, A. R., & Dickstein, D. P. (2014). Developmental meta-analyses of the functional neural correlates of bipolar disorder. *JAMA Psychiatry*, 71(8):926-35. doi: 10.1001/jamapsychiatry.2014.660. PMID: 25100166.

Wegbreit, E., Franconeri, S., & Beeman, M. (2014). Anxious mood narrows attention in feature space. *Cognition and Emotion*, 29(4):668-677. doi: 10.1080/02699931.2014.922933. PMID: 24901246.

Kim, K. L., *Weissman, A. B., *Puzia, M. E., Cushman, G. K., Seymour, K. E., **Wegbreit, E.**, Carskadon, M. A. & Dickstein, D. P. (2014). Circadian phase preference in pediatric bipolar disorder. *Journal of Clinical Medicine*, 3(1), 255-266; doi:10.3390/jcm3010255. No PMID.

*Yang, H., Lu, L. H., Wu, M., Stevens, M. C., **Wegbreit, E.**, *Fitzgerald, J., *Levitan, B., Shankman, S., & Pavuluri, M. (2013). Time course of recovery showing initial prefrontal cortex changes at 16 weeks extended to subcortical changes by three years in pediatric bipolar disorder. *Journal of Affective Disorders*, 150(2):571-7. PMID: 23517886. PMCID: PMC3745513.

Wegbreit, E., Passarotti, A., *Ellis, J. A., Wu, M., *Witowski, N., *Fitzgerald, J., Stevens, M. C., Pavuluri, M. (2013). Where, when, how high, and how long? The hemodynamics of emotional response in psychotropic-naïve patients with adolescent bipolar disorder. *Journal of Affective Disorders*, 147(1-3), 304-311. PMID: 23261134. PMCID: PMC3606663. (Later retracted).

Pavuluri, M. N., Passarotti, A. M., *Fitzgerald, J. M., **Wegbreit, E.**, & Sweeney, J. A. (2012). Risperidone and divalproex differentially engage the fronto-striato-temporal circuitry in pediatric mania: A pharmacological fMRI study. *Journal of the American Academy of Child and Adolescent Psychiatry*, 51(2), 157-170.e155. PMID: 22265362. PMCID: PMC3357915.

Pavuluri, M. N., *Ellis, J. A., **Wegbreit, E.**, Passarotti, A. M., & Stevens, M. C. (2012). Pharmacotherapy impacts functional connectivity among affective circuits during response inhibition in pediatric mania. *Behavioural Brain Research*, 226(2), 493-503. PMID: 22004983. PMCID: PMC3253527.

Passarotti, A. M., *Ellis, J., **Wegbreit, E.**, & Stevens, M. C., Pavuluri, M. N. (2012). Reduced functional connectivity of prefrontal regions and amygdala within affect and working memory networks in pediatric bipolar disorder. *Brain Connectivity*, 2(6), 320-334. PMID: 23035965. PMCID: PMC3621331.

Wegbreit, E., & Pavuluri, M. N. (2012). Mechanistic comparisons of functional domains across pediatric and adult bipolar disorder highlight similarities, as well as differences, influenced by the developing brain. *Israel Journal of Psychiatry and Related Sciences*, 49(2), 75-83. PMID: 22801286.

Wegbreit, E., Suzuki, S., Grabowecky, M., Kounios, J., & Beeman, M. (2012). Visual attention modulates insight versus analytic solving of verbal problems. *Journal of Problem Solving*, 4(2), 94-115. PMID: 24459538. PMCID: PMC3897204.

Mayanil, T., **Wegbreit, E.**, *Fitzgerald, J. M., & Pavuluri, M. N. (2011). Emerging biosignatures of brain function and intervention in pediatric bipolar disorder. *Minerva Pediatrica*, 63, 183-200. PMID: 21654599.

Wegbreit, E., *Ellis, J. A., *Nandam, A., *Fitzgerald, J. M., Passarotti, A. M., Pavuluri, M. N., & Stevens, M. C. (2011). Amygdala functional connectivity predicts pharmacotherapy outcome in pediatric bipolar disorder. *Brain Connectivity*, 1(5), 411-422. PMID: 22432455. PMCID: PMC3604767.

RESEARCH TALKS

Wegbreit, E. (Feb 2017). Psychomythology: Consistency, reliability, and gender differences in endorsing common myths about psychology. Presented at the Eastern Psychological Association Annual Conference, Boston MA.

Wegbreit, E. (April 2015). Emotion-attention interactions in normal and disordered populations. Invited talk at Colgate University, Hamilton, NY.

Wegbreit, E. (Mar. 2015). Emotion-attention interactions in normal and disordered populations. Invited talk at SUNY Geneseo, Geneseo, NY.

Wegbreit, E. (Feb. 2015). Emotion-attention interactions in normal and disordered populations. Bradley Hospital Lunch and Learn, Bradley Hospital, East Providence, RI, USA.

Wegbreit, E. (May 2014). Emotional face recognition in child-onset bipolar I disorder: An evaluation of developmental differences between youths and adults. Bradley Hospital 1st Annual Data Blitz, Bradley Hospital, East Providence, RI, USA.

Wegbreit, E. (Feb. 2014). Bipolar brains: The effect of bipolar disorder on the brains of youths and adults. Bradley Hospital Lunch and Learn, Bradley Hospital, East Providence, RI, USA.

Wegbreit, E. (Feb. 2012). Mechanisms underlying emotional and cognitive dysfunction in pediatric bipolar disorder. Presented at the Olin Neuropsychiatry Institute, Yale University Department of Psychiatry, Hartford Hospital, Hartford, CT, USA.

Wegbreit, E. (Dec. 2010). Emerging brain networks in pediatric bipolar disorder. Presented at the Behavioral Neurosciences Seminar, Department of Psychiatry and Center for Cognitive Medicine, University of Illinois College of Medicine, Chicago, IL, USA.

Wegbreit, E. (May 2010). The influence of happy and anxious moods on the scope of selective spatial and featural attention. Presented at the Cognitive Science Research Conference, Northwestern University Evanston, IL, USA.

Wegbreit, E. (April 2007). Attention states and insight: Is there a link between them? Northwestern University and University of Chicago Graduate Psychology Symposium; Evanston, IL, USA.

Wegbreit, E. (March 2007). How attentional scope influences problem solving. Presented at the Northwestern University Cognitive Brain Mapping Group Annual Data Blitz, Evanston, IL, USA.

RESEARCH POSTERS

* = research mentee

*Rasmussen, A., *Cushman, G. K., *Puzia, M. E., *Weissman, A. B., **Wegbreit, E.**, Kim, K. L., & Dickstein, D. P. *Comparisons of Reversal Learning in Pediatric Bipolar Disorder and Autism Spectrum Disorder*. To be presented at the American College of Neuropsychopharmacology (ACNP) 61st Annual Meeting. San Antonio, TX, USA. Oct 26-31, 2015.

#**Wegbreit, E.**, #Almeida, J., *Cushman, G. K., *Weissman, A. B., Kim, K. L., Laird, A., & Dickstein, D. P. (2014). *Fronto-Amygdalar Alterations During Emotional Face Processing May Differentiate Children with Bipolar Disorder from those with Major Depressive Disorder: A Functional Neuroimaging Meta-Analysis*. Presented at the 2nd annual Mind/Brain Research Day, Department of Psychiatry and Human Behavior, Brown University Alpert Medical School, Providence, RI, USA. March 25, 2015.

= equal author contribution.

Winner of Research Day Award for “Best Poster for Residents and Fellows”

*Weissman, A. B., *Bojanek, E., **Wegbreit, E.**, *Cushman, G. K., *Puzia, M. E., Kim, K. L., & Dickstein, D.P. *Facial emotion recognition in childhood-onset bipolar I disorder: An evaluation of developmental differences between youths and adults*. Presented at the 2nd annual Mind/Brain Research Day, Department of Psychiatry and Human Behavior, Brown University Alpert Medical School, Providence, RI, USA. March 25, 2015.

#Almeida, J., #**Wegbreit, E.**, *Cushman, G. K., *Weissman, A. B., Kim, K. L., Laird, A., & Dickstein, D. P. (2014). *Fronto-Amygdalar Alterations During Emotional Face Processing May Differentiate Children with Bipolar Disorder from those with Major Depressive Disorder: A Functional Neuroimaging Meta-Analysis*. Presented 61st Annual Meeting of the American Academy of Child and Adolescent Psychiatry. Phoenix, AZ, USA. Dec 8. 2014.

= equal author contribution.

Wegbreit, E., *Cushman, G. K., *Puzia, M. E., *Weissman, A. B., Kim, K. L., Greenberg, B. D., Laird, A. R. & Dickstein, D. P. (2014). *Developmental meta-analyses of*

the functional neural correlates of bipolar disorder. Presented at the Society of Biological Psychiatry 69th Annual Meeting, New York, NY, USA. May 8, 2014.

*Puzia, M. E., Lurie, D. E., *Cushman, G. K., **Wegbreit, E.**, *Weissman, A. B., Kim, K. L., Castellanos, F. X., Milham, M. P. & Dickstein, D. P. *Resting-state functional connectivity in children with primary bipolar disorder or Attention Deficit/Hyperactivity Disorder.* Presented at the Society of Biological Psychiatry 69th Annual Meeting, New York, NY, USA. May 8, 2014.

*Cushman, G. K., *Weissman, A. B., *Puzia, M. E., **Wegbreit, E.**, Philip, N. S., Kim, K. L., & Dickstein, D. P. (2014). *Cognitive flexibility deficits in bipolar disorder.* Presented at the Society of Biological Psychiatry 69th Annual Meeting, New York, NY, USA. May 8, 2014.

Wegbreit, E., *Cushman, G. K., *Puzia, M. E., *Weissman, A. B., Kim, K. L., Greenberg, B. D., Laird, A. R. & Dickstein, D. P. (2014). *Developmental meta-analyses of the functional neural correlates of bipolar disorder.* Presented at the Mind/Brain Research Day, Department of Psychiatry and Human Behavior, Brown University Alpert Medical School, Providence, RI, USA. March 25, 2014.

*Weissman, A. B., **Wegbreit, E.**, *Puzia, M. E., *Cushman, G. K., Kim, K. L., & Dickstein, D. P. (2014). *Developmental alterations in facial emotion recognition among children and adults with bipolar disorder.* Presented at the Mind/Brain Research Day, Department of Psychiatry and Human Behavior, Brown University Alpert Medical School, Providence, RI, USA. March 25, 2014.

Valera, E., Francis, A., Makris, N., Li, Z., **Wegbreit, E.**, & O'Connor, M. (2013). *Brain injury in battered women and its relationship to microstructural white matter alterations: A diffusion tensor imaging study.* Presented at the American College of Neuropsychopharmacology (ACNP) 52nd Annual Meeting. Hollywood, FL, USA. Dec. 2013.

Passarotti, A. M., *Ellis, J. A., *O'Neil, J., *Nandam, A., *Fitzgerald, J. M., **Wegbreit, E.**, & Pavuluri, M. N. (2012). *Emerging Bio-Signatures of Impulsivity Differentiate ADHD and Pediatric Bipolar Disorder with and without ADHD.* Presented at the 59th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Francisco, CA, USA. Oct. 25th, 2012.

*Mayanil, T., **Wegbreit, E.**, & Pavuluri, M. N. (2012). *Affective Circuitry Disturbances in Early Onset Psychosis: A Functional MRI Study.* Presented at the 59th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Francisco, CA, USA. Oct. 25th, 2012.

Wu, M., Lu, L. H., Passarotti, A. M., **Wegbreit, E.**, *Fitzgerald, J., & Pavuluri, M. N. (2012). *Functional Connectivity Reveals Abnormal Affective, Executive and Sensorimotor Resting State Networks in Psychotropic Naïve Patients with*

Pediatric Mania. Presented at the International Society for Magnetic Resonance in Medicine, Melbourne, Victoria, Australia. May 5-11, 2012.

Pavuluri, M. N., Passarotti, A., *Ellis, J., *Fitzgerald, J., *O'Neil, J., & **Wegbreit, E.** (2012). *Functional connectivity of motor control in attention deficit hyperactivity disorder (ADHD) and pediatric bipolar disorder (PBD) with and without ADHD*. Presented at the 20th European Congress of Psychiatry. Prague, Czech Republic. March 3-6, 2012.

Passarotti, A. M., *Ellis, J. A., *Fitzgerald, J. M., *O'Neil, J., **Wegbreit, E.**, Stevens, M. C., & Pavuluri, M. N. (2011). *Functional connectivity of response control in ADHD and pediatric bipolar disorder with and without ADHD*. Presented at the 50th anniversary meeting of the American College of Neuropsychopharmacology, Waikoloa Beach, HI, USA, Dec. 5th, 2011.

Wegbreit, E., *Ellis, J., *Nandam, A., *Fitzgerald, J., Passarotti, A. M., Pavuluri, M. N., & Stevens, M. C. (2011). *Amygdala functional connectivity predicts pharmacotherapy outcome in pediatric bipolar disorder*. Presented at the College of Medicine Research Forum, University of Illinois at Chicago, Chicago, IL, USA. Nov. 11th, 2011.

*Lowes, A., **Wegbreit, E.**, & Pavuluri, M. N. (2011). *A global mood lability index for pediatric bipolar disorder and its relationship to emotion interpretation lability*. Presented at the College of Medicine Research Forum, University of Illinois at Chicago, Chicago, IL, USA. Nov. 11th, 2011.

Yang, H., **Wegbreit, E.**, *Fitzgerald, J., *Levitan, B., Wu, M., Lu, L. H., & Pavuluri, M. N. (2011). *Three year longitudinal study of pediatric bipolar disorder illustrates reduction in limbic overactivity with development*. Presented at the College of Medicine Research Forum, University of Illinois at Chicago, Chicago, IL, USA. Nov. 11th, 2011.

*Fitzgerald, J., Wu, M., Lu, L. H., Passarotti, A. M., **Wegbreit, E.**, Pavuluri, M. N., & *Samala, M. (2011). *Functional connectomics reveal three abnormal resting state networks in pediatric mania*. Presented at the College of Medicine Research Forum, University of Illinois at Chicago, Chicago, IL, USA. Nov. 11th, 2011.

*O'Neil, J., *Ellis, J., *Nandam, A., Passarotti, A. P., **Wegbreit, E.**, & Pavuluri, M. N. (2011). *Functional connectivity differences within a stop signal task-related motor inhibition network across youths with attention-deficit/hyperactivity disorder (ADHD) and pediatric bipolar disorder with and without ADHD*. Presented at the Second Annual Psychiatry Research Extravaganza, Department of Psychiatry, College of Medicine, University of Illinois at Chicago, Chicago, IL, USA. Sept. 15th, 2011.

- Passarotti, A. M., Ellis, J., **Wegbreit, E.**, Varghese, B., *Samala, M., Stevens, M. C., & Pavuluri, M. N. (2011). *Working memory networks are influenced by facial emotion in pediatric bipolar disorder*. Presented at the Second Annual Psychiatry Research Extravaganza, Department of Psychiatry, College of Medicine, University of Illinois at Chicago, Chicago, IL, USA. Sept. 15th, 2011.
- *Witowski, N., *Samala, M., *Ali, M. Z., Varghese, B., **Wegbreit, E.**, & Pavuluri, M. N. (2011). *The Chicago Film Stimuli for Affective Research (CFSTAR) Project: Validation and normative data analyses*. Presented at the Second Annual Psychiatry Research Extravaganza, Department of Psychiatry, College of Medicine, University of Illinois at Chicago, Chicago, IL, USA. Sept. 15th, 2011.
- Passarotti, A. M., *Ellis, J., **Wegbreit, E.**, Stevens, M. C., & Pavuluri, M. N. (2011). *Reduced amygdala and prefrontal functional connectivity in pediatric bipolar disorder during a working memory task with emotional faces*. Presented at the 58th Annual Meeting of the American Academy of Child and Adolescent Psychiatry, Toronto, Canada. Oct. 18-23rd, 2011.
- Passarotti, A. M., **Wegbreit, E.**, *Ellis, J., Varghese, B., Stevens, M., & Pavuluri, M. N. (2011). *Working memory networks are influenced by angry facial emotion in pediatric bipolar disorder*. Presented at the 66th annual Society of Biological Psychiatry conference. San Francisco, CA, USA. May 12-14th, 2011.
- Wegbreit, E.**, Passarotti, A. M., *Fitzgerald, J., *Ellis, J., & Pavuluri, M. N. (2011). *Mechanistic differences in risperidone and divalproex on cognitive circuitry function in pediatric mania: A longitudinal study*. Presented at the 2011 MGH-Ryan Licht Sang Bipolar Foundation Pediatric Bipolar Disorder Conference. Cambridge, MA, USA. March 24-25th, 2011.
- Passarotti, AM, *Ellis, J, **Wegbreit, E.**, Varghese, B, Stevens, M, Pavuluri, MN (2011). *Working memory networks are influenced by facial emotions in pediatric bipolar disorder*. Presented at the 2011 MGH-Ryan Licht Sang Bipolar Foundation Pediatric Bipolar Disorder Conference. Cambridge, MA, USA. March 24-25th, 2011.
- Wegbreit, E.**, Franconeri, S., & Beeman, M. (2010). *The influence of happy and anxious moods on the scope of selective visual attention*. Presented at the 17th annual Cognitive Neuroscience Society conference, Montreal, Canada. April 19th, 2010.
- Wegbreit, E.**, Franconeri, S., & Jung-Beeman, M. (2009). *Positive and anxious mood influences on selective visual attention*. Presented at the 9th annual meeting of the Vision Sciences Society, Naples, FL, USA. May 8-13th, 2009. Citation at *Journal of Vision*, 9(8): 190, 190a.

Wegbreit, E., Suzuki, S., Grabowecky, M. & Jung-Beeman, M. (2008). *The effects of attentional states on verbal problem solving processes*. Presented at the 15th annual Cognitive Neuroscience Society conference, San Francisco, CA, USA. April 13th, 2008.

Schatz, J., & **Wegbreit, E.** (2005). *Lateralization of hierarchical processing in middle childhood through adolescence*. Presented at the 37th biennial meeting of the Society for Research in Child Development, Atlanta, GA, USA. April 8th, 2005.

RESEARCH EXPERIENCE

07/13 - **NIMH T32 Post-doctoral Fellow, Child Mental Health**
07/15 **Department of Psychiatry and Human Behavior,**
Brown University Alpert Medical School
Bradley Hospital, East Providence, RI
Supervisor: Daniel Dickstein, M.D.

Investigated brain/behavioral correlates of bipolar disorder in youths and adults, along with age-matched healthy controls. Used SPSS (syntax and GUI), Microsoft Excel, GingerALE meta-analysis software, UNIX shell scripting, Freesurfer, and CPAC neuroimaging analysis pipeline to organize and analyze behavioral, neuroimaging and demographic data. Prepared manuscripts for publication, presentations, and grant applications. Duties also included independently scanning child and adult participants (ages 7-27) on a 3.0 Tesla Siemens Trio scanner as they complete structural and functional scans. Participated in didactic and grant writing seminars. Mentored and trained students and research assistants.

Funded by the Research Training Program in Child Mental Health (5T32MH019927-20) at Rhode Island Hospital and Brown University Alpert Medical School.

07/12 - **NIMH T32 Post-doctoral Research Fellow, Psychiatry**
07/13 **Department of Psychiatry, Harvard Medical School**
Massachusetts General Hospital, Boston, MA
Supervisor: Eve M. Valera, Ph.D.

Investigated brain function supporting attention and motor timing in adults with ADHD, compared to healthy controls. Duties included independently scanning adult participants (ages 20-50) on a 3.0 Tesla Siemens Trio scanner, administering cognitive and neuropsychological tests (WASI, WRAT, Digit span), and administering motor assessments (Modified International Clinical Ataxia Rating Scale, Physical and Neurological Examination of Subtle Signs, Composite Cerebellar Functional Severity Scale). In addition, utilized behavioral data and neuroimaging analysis techniques, including preprocessing and General Linear Model statistics in

SPM/MATLAB, functional connectivity analyses, and Excel / SPSS to prepare data for publications and presentations. Mentored and trained research assistants.

Funded by the Stuart T. Hauser Clinical Research Training Program in Biological and Social Psychiatry (5T32MH016259-33) at the Judge Baker Children's Center at Harvard Medical School.

08/10 -
07/12

**Post-doctoral Researcher, Pediatric Neuroimaging
Pediatric Brain Research and Intervention Center
Department of Psychiatry and Institute for Juvenile Research
University of Illinois at Chicago, Chicago, IL**
Supervisor: Mani Pavuluri, M.D. Ph.D.

Investigated cortical and subcortical neural network activity and connectivity supporting cognitive and affective function in patients with pediatric bipolar disorder and/or ADHD, compared to healthy controls. Acquired extensive experience with the analysis of fMRI data using both conventional GLM techniques, as well as novel, data-driven functional connectivity methods. Utilized MATLAB, SPM, Group ICA of fMRI Toolbox (GIFT), AFNI, FSL, SPSS, and MS Excel software packages to analyze and interpret behavioral and fMRI data. Wrote custom MATLAB and UNIX shell scripts to streamline data processing. Designed novel paradigms measuring attention, response inhibition, emotional processing, and emotional regulation in fMRI and behavioral settings. Developed a novel set of dynamic emotional film clip stimuli for use in fMRI and behavioral testing by recruiting and filming professional child and adult actors, as well as by supervising video editing and stimulus norming. Mentored and trained students and research assistants.

Funded by grants NIMH 1R01MH85639-01A1, NIMH 5R01MH081019-02, and NIMH 1RC1MH088462-01 awarded to Mani Pavuluri, M.D. Ph.D.

08/05 -
08/10

**Graduate Research Assistant
Brain and Language Lab, Department of Psychology
Northwestern University, Evanston, IL**
Supervisor: Mark Beeman, Ph.D.

Researched the influence of mood states on the scope of selective attention and the influences of attentional states on creative problem solving. Designed, programmed, and ran participants in psychological experiments using a variety of stimulus presentation software formats (MATLAB, Psychophysics Toolbox, SuperLab, and SuperCard). Managed data and analyzed results using SPSS and Excel and reported findings at conferences and in manuscripts. Administered fMRI scans and preprocessed and analyzed fMRI data using AFNI. Other responsibilities

included conducting literature reviews, training undergraduate and graduate students and volunteers, recruiting research participants, managing IRB approvals, and general lab upkeep.

05/04 - **NSF Undergraduate Research Scholar**
08/04 **Neuropsychology and Human Development Lab,**
University of South Carolina, Columbia, SC
Supervisor: Jeffrey Schatz, Ph.D.

As part of the National Science Foundation Research Experience for Undergraduates Summer Research Institute: Received hands-on experience in data collection from child participants using a 128-channel high-density EEG cap. Analyzed high-density EEG data and reported results in a final paper and presentation.

01/03 - **Undergraduate Research Assistant**
05/05 **Neurocognition Lab, Department of Psychology**
Virginia Polytechnic Institute and State University,
Blacksburg, VA

Supervisors: Helen Crawford, Ph.D. & Bruce Friedman, Ph.D.

Administered computerized and paper-based neuropsychological tests and questionnaires (e.g. Attention Networks Test, Digit Span, Stroop, Wisconsin Card Sort, and Iowa Gambling Task). Assisted graduate students in running participants in a 10-20 system Neuroscan EEG cap. Preprocessed and analyzed EEG data. Designed and implemented Honor's Thesis on the influences of caffeine on selective attention and executive control. Other responsibilities included training undergraduate students and volunteers, recruiting research participants, and general lab upkeep.

AWARDS/HONORS

04/15 Selected for the Career Development Institute for Bipolar Disorder (competitive application). University of Pittsburgh Medical Center

08/14- Elected as Senior Post-doctoral Fellow (Representative for Research
08/15 and Investigator-funded Post-doctoral Fellows).
Department of Psychiatry and Human Behavior, Alpert Medical School,
Brown University

09/09- Advanced Graduate Student Fellowship in Cognitive Science
08/10 Department of Cognitive Science, Northwestern University

08/06 2006 Psychology Teaching Assistant of the Year (Honorable Mention)

- Department of Psychology, Northwestern University
- 05/05 Outstanding Senior in Psychology
Department of Psychology, Virginia Tech
- 05/05 Psychology Undergraduate Research Award
Department of Psychology, Virginia Tech
- 05/05 William H. Williams Undergraduate Award for Philosophy
Department of Philosophy, Virginia Tech
- 05/04 National Science Foundation: Research Experience for Undergraduates
Summer Research Institute
Department of Psychology, University of South Carolina
- 05/04 Phi Beta Kappa, Mu of Virginia Chapter
Virginia Tech
- 04/02 Psi Chi, the National Honor Society for Psychology
Department of Psychology, Virginia Tech

PROFESSIONAL SERVICE

Service to Cazenovia College:

- Fall 2017- present Faculty Secretary
- Fall 2016- Spring 2017 Human Services Faculty Search Committee Member
- Fall 2016- present Chair, Cazenovia College Institutional Review Board
- Fall 2016- present Faculty Council Representative from the Division of Social and Behavioral Sciences
- Spring 2016 Criminal Justice Faculty Search Committee Member
- Fall 2016 – present Psychology Club co-advisor

Ad Hoc Peer Reviewer:

Psychological Medicine; Bipolar Disorders; Psychiatry Research: Neuroimaging; Emotion; Psychonomic Bulletin & Review; Journal of Problem Solving; Neuropsychiatric Disease and Treatment

Other Committee Service:

- 07/14 - **Training Committee Representative for Individual, Investigator, and**
07/15 **Institutionally Funded Postdoctoral Research Fellows**
*Brown University Clinical Psychology Training Consortium,
Brown University Medical School*
- 07/14 - **Women in Psychology Steering Committee Member**
07/15 *Brown University Clinical Psychology Training Consortium,
Brown University Medical School*
- 07/14 - **Chair, Departmental Teaching/Research Award Committee**
07/15 *Department of Psychiatry & Human Behavior
Brown University Medical School*
- 07/14 - **Grand Rounds Invited Speaker Selection Committee**
05/15 *Department of Psychiatry & Human Behavior
Brown University Medical School*

Additional Academic Service:

Faculty Judge for Undergraduate Research Posters

*2013 Undergraduate Research Forum
University of Illinois at Chicago*

Coordinator for Graduate Student Recruitment

*Brain, Behavior, and Cognition Area (2006 application cycle)
Department of Psychology
Northwestern University, Evanston, IL*

COMMUNITY SERVICE

Pro bono Survey Research and Statistical Consultant

Central Virginia Legal Aid Society (CVLAS), Richmond, VA

Fall 2015 - Spring 2016: Collaborated with a senior staff attorney to design a needs assessment survey for a civil legal aid society, which sampled ~600 stakeholders including clients, non-profit aid workers, lawyers, judges, board members, and government workers across the CVLAS service area. Analyzed resulting survey data and reported conclusions to senior staff attorney and the CVLAS board.