

Lisa Bartolomeo

(602) 740-0732 | Lisa.Bartolomeo@uga.edu

CURRICULUM VITAE

EDUCATION

Ph.D. Clinical Psychology 2017 - Present

University of Georgia, Athens, Georgia
Advisor: Dr. Gregory Strauss, Ph.D.

B.S. Neuroscience and Cognitive Science (NSCS) - Neurobiology emphasis 2015

Honors Program
University of Arizona, Tucson, Arizona

Honors Thesis: *Pupil Dilation as a Measure of Cognitive Effort During Memory Reconsolidation*

Supervisor: Dr. Rebecca Gomez

Major GPA: 4.0/4.0

Overall GPA: 3.93/4.0, Summa Cum Laude

HONORS & SCHOLARSHIPS

Academic Dean's List with Distinction 2012 - 2014

Dean's List 2011

Arizona Board of Regent's High Honors Tuition Scholarship 2011 - 2015

RESEARCH EXPERIENCE

Research Coordinator/Lab Manager 2015 - Present

Clinical and Cognitive Neuroscience Center (CCNC)
Indiana University Department of Psychological & Brain Sciences
Advisors: Drs. William Hetrick & Brian O'Donnell

- **Cognitive, motor, and behavioral abnormalities in schizophrenia spectrum disorders and their underlying neural mechanisms**
 - Recruited, screened, and ran patients with Schizophrenia spectrum disorders, their first-degree relatives, and healthy control subjects through experimental protocols
 - Administration of structured clinical interviews, neuropsychological & cerebellar assessments, prism adaptation, eye tracking, MRI, collection and processing of electroencephalographic (EEG) and electromyographic (EMG) recordings, compliance with IRB standards, assistance with animal modeling procedures (dissections, novel object recognition, rotarod test)
- Collaborations:
 - Dr. Nicholas Port, Dept. of Optometry, Indiana University
 - ***Saccadic and Pursuit Ocular Motor Deficits Among Individuals Affected with Schizophrenia and Their First-Degree Relatives.***
Recruited, screened, and ran subjects through eye tracking paradigms; data organization.
 - Dr. Alan Breier, Dept. of Psychiatry, Indiana School of Medicine
 - ***The Efficacy and Safety of a Selective Estrogen Receptor Beta agonist (LY500307) for Negative Symptoms and Cognitive Impairment Associated with Schizophrenia***
 - ***The Effect of N-Acetyl Cysteine on Cortical Erosion in Early Stage Schizophrenia***
Collected and processed EEG and eye blink conditioning (EBC) recordings from Schizophrenia patients participating in clinical drug trials with Indiana University's Psychotic Disorders Program (IUPDP).

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Dr. John Nurnberger, Department of Psychiatry, Indiana School of Medicine

- *A Phase 2a Study to Evaluate the Kappa Opioid Receptor as a Target for the Treatment of Mood and Anxiety Spectrum Disorders by Evaluation of Whether LY2456302 Engages Key Neural Circuitry Related to the Hedonic Response*

Administered EEG recordings for participants in a multi-site clinical drug trial.

Research Assistant

2012 - 2015

Department of Psychology

University of Arizona

Advisor: Dr. Rebecca Gomez

- **Memory reconsolidation during sleep with directed forgetting manipulations**
 - Administered and monitored polysomnography (PSG) recordings, data entry, literature searches, supervision and training of other research assistants
- **Pupil dilation as a measure of cognitive effort during memory reconsolidation** (*Senior Honor's Thesis*)
 - Using a remote eye tracker, examined how pupillary changes relate to cognitive effort exerted across memory reconsolidation stages following directed forgetting manipulations

PEER-REVIEWED PUBLISHED MANUSCRIPTS

- Lundin, N.B., **Bartolomeo, L.A.**, O'Donnell, B.F., Hetrick, W.P. (In press). Reduced electroencephalogram responses to standard and target auditory stimuli in bipolar disorder and the impact of psychotic features: Analysis of event-related potentials, spectral power, and inter-trial coherence. *Bipolar Disorders*, epub.
- Schnakenberg, A.M., **Bartolomeo, L.A.**, Howell, J.M., Hetrick, W.P., Bolbecker, A.R., Breier, A.R., Kidd G., O'Donnell, B.F. (In press). Auditory feature perception and auditory hallucinatory experiences in schizophrenia spectrum disorder. *European Archive of Psychiatry and Clinical Neuroscience*, epub.
- Breitborde, N.J.K., Bell, E.K., Dawley, D., Woolverton, C., Ceasar, A., Waters, A.C., Dawson, S.C., Bismark, A.W., Polsinelli, A.J., **Bartolomeo, L.A.**, Simmons, J., Bernstein, B., Harrison-Monroe, P. (2015). The Early Psychosis Intervention Center (EPICENTER): Development and Six-Month Outcomes of an American First Episode Psychosis Clinical Service. *BMC Psychiatry*. 15, 266. (DOI: 10.1186/s12888-015-0650-3).

PUBLISHED ABSTRACTS

- Lundin, N.B., Kim, D-J., Kent, J.S., Newman, S.D., Moussa-Tooks, A.B., Purcell, J., Bolbecker, A.R., **Bartolomeo, L.A.**, O'Donnell, B.F., Hetrick, W.P. (In press). SU69. Differential cerebellar activation in schizophrenia during eyeblink conditioning. [Abstract]. *Schizophrenia Bulletin*, 43(suppl_1), S186-S186. DOI: 10.1093/schbul/sbx024.067
- Leonhardt, B., Vohs, J., Lysaker, P.H., **Bartolomeo, L.A.**, O'Donnell, B.F., Breier, A.F. (In press). 199. Disrupted integration in early psychosis: a preliminary exploration of the relationship between neural synchronization and higher order cognition in a first-episode psychosis sample. [Abstract]. *Schizophrenia Bulletin*, 43(suppl_1), S103-103. DOI: 10.1093/schbul/sbx021.277
- Kim, D-J., **Bartolomeo, L.A.** (In press). M76. Abnormal cortico-cerebellar resting-state connectivity in sensory-motor networks in schizophrenia. [Abstract]. *Schizophrenia Bulletin*, 43(suppl_1), S238-S238. DOI: 10.1093/schbul/sbx022.071

PRESENTATIONS

1. **Bartolomeo, L.A.**, Wright, A.M., Ma, R.E., Hummer, T.A., Francis, M.M., Visco, A.C., Mehdiyou, N.F., Bolbecker, A.R., Hetrick, W.P., Dydak, U., O'Donnell, B.F., Breier, A.F. *Relationship of Auditory Event Related Potentials with Magnetic Resonance Spectroscopy Metabolites in Early Stage Psychosis*. (2017, November). Poster presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
2. Moussa-Tooks, A.B., Mackie, K., **Bartolomeo, L.A.**, Bradshaw, H., Leishman, E., Gimeno, A., Larson, E., O'Donnell, B.F., Hetrick, W.P. *Early Life Stress in Rats Alters Cerebellar Endocannabinoid Dynamics and*

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- Recognition Memory*. (2017, November). Poster presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
- Mitroi, J., Lundin, N., Bolbecker, A., Burroughs, L., **Bartolomeo, L.A.**, Moussa-Tooks, A., Rejimon, A., Purcell, J., O'Donnell, B., Hetrick, W. *Neurostimulation of Human Cerebellum During Associative Learning*. (2017, October). Poster presented at the annual meeting of the Society for Psychophysiological Research, Vienna, Austria.
 - Bartolomeo, L.A.**, Shin, YW., Block, H.J., Bolbecker, A.R., Breier, A.F., O'Donnell, B.F., Hetrick, W.P. *Prism Adaptation as a Measure of Cerebellar Dysfunction in Schizophrenia*. (2017, September). Poster presented at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
 - Moussa-Tooks, A.B., Kim, D-J., Bolbecker, A.R., **Bartolomeo, L.A.**, Lundin, N.B., Purcell, J., Newman, S.D., O'Donnell, B.F., Hetrick, W.P. *Aberrations to Cerebellar-Cerebral Effective Connectivity in Schizophrenia During Sensorimotor Synchronization*. (2017, September). Poster presented at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
 - Schnakenberg Martin, A.M, **Bartolomeo, L.B.**, Mehdiyoun, N., Howell, J., Hetrick, W.P., Breier, A.F., O'Donnell, B.F. *Cannabis Abuse in Schizophrenia may not be Associated with Altered Event-Related Potentials*. (2017, September). Poster presented at the annual meeting of the Society for Research in Psychopathology, Denver, CO.
 - Moussa-Tooks, A.B., Kim, DJ., Bolbecker, A.R., Krempley, P.D., **Bartolomeo, L.A.**, O'Donnell, B.F., Hetrick, W.P. *Temporal Processing in Schizophrenia: A task based MRI study of cerebellar-mediated sensorimotor synchronization*. (2016, September). Poster presented at the annual meeting of the Society for Research in Psychopathology, Baltimore, MD.
 - Lundin, N.B., Kim, DJ., Kent, J.S., Newman, S.D., Bolbecker, A.R., Krempley, P.D., **Bartolomeo, L.A.**, O'Donnell, B.F., Hetrick, W.P. *An Investigation of cerebellar contributions to acquisition and maintenance of conditioned eye blink responses in schizophrenia-spectrum disorders*. (2016, September). Poster presented at the annual meeting of the Society for Research in Psychopathology, Baltimore, MD.
 - Novak, K.D., Bolbecker, A.R., **Bartolomeo, L.A.**, O'Donnell, B.F., Hetrick, W.P., Foti, D. *Error monitoring across the schizophrenia spectrum: the impact of diagnosis and mood symptoms*. (2016, September). Poster presented at the annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.
 - Shin, YW, **Bartolomeo, L.A.**, Block, H.J., Bolbecker, A.R., Breier, A.F., O'Donnell, B.F., & Hetrick, W.P. *Disturbed visual prism adaptation in Schizophrenia*. (2016, May). Poster presented at the annual meeting of the Society of Biological Psychiatry, Atlanta, GA.
 - Lundin, N.B., Innis, I.J., Mitroi, J., Krishan, G.P., **Bartolomeo, L.A.**, Krempley, P.D., Hetrick, W.P., O'Donnell, B.F. (2016, May). *Phase locking and spectral power deficits for rare stimuli in bipolar disorder in the auditory oddball paradigm*. Poster presented at the annual meeting of the Society of Biological Psychiatry, Atlanta, GA.
 - Bartolomeo, L.A.**, Newmansmith, K., Gomez, R. (2015, May). *Pupil dilation as a measure of cognitive effort during memory reconsolidation*. Poster presented at the NCSC annual Honors Poster Forum, University of Arizona, Tucson, AZ.

TEACHING EXPERIENCE

Teaching Assistant

Fall

2017

Department of Psychology

University of Georgia

Advisor: Dr. Gregory Strauss

- **PSY 3230: Abnormal Psychology**

Preceptor

Fall

2014

Department of Neuroscience and Cognitive Science

University of Arizona

Advisor: Dr. Alan Nighorn

- **NROS 310: The Molecular and Cellular Biology of Neurons**

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SERVICE

Volunteer - Early Psychosis Intervention Center (EPICENTER)

2014 - 2015

Department of Psychiatry

University of Arizona

Advisor: Dr. Nicholas Breitborde, Ph.D.

PROFESSIONAL AFFILIATIONS

- Student member of the **Society for Neuroscience** 2017 - Present
- Student member of prehealth honorary **Alpha Epsilon Delta, Arizona Beta Chapter** 2013 - 2015

REFERENCES

Dr. Gregory Strauss, Ph.D.

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Dr. William Hetrick, Ph.D.

Department of Psychological and Brain Sciences, Indiana University, Bloomington, IN

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Dr. Brian O'Donnell, Ph.D.

Department of Psychological and Brain Sciences, Indiana University, Bloomington, IN

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Dr. Rebecca Gomez, Ph.D.

Department of Psychology, University of Arizona, Tucson, AZ

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Dr. Alan Nighorn, Ph.D.

Department of Neuroscience University of Arizona, Tucson, AZ

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