

ANTOINETTE SABATINO DICRISCIO, Ph.D.
Staff Scientist
asdicriscio@geisinger.edu
Geisinger Autism and Developmental Medicine Institute
Lewisburg, PA 17837

A. EDUCATION & TRAINING

Pennsylvania State University

Graduate Certificate in Applied Math & Statistics, May 2019- Present
Focused coursework in R, Epidemiological Research Methods, and Genomic Data Analysis

Geisinger-Autism and Developmental Medicine Institute (ADMI)

Post Doc, September 2014- December 2018
Mentor: Vanessa Troiani, PhD

Virginia Tech- Center for Autism Research

Post Doc Research Program Coordinator, July 2013-August 2014
Mentors: Susan White, PhD & Angela Scarpa-Friedman, PhD

University of North Carolina at Chapel Hill

PhD in Developmental Psychology, May 2013
Dissertation Title: Cognitive Control Over Attention in Individuals with and without ASD
Mentors: Gabriel S. Dichter, PhD & J. Steven Reznick, PhD

University of Pittsburgh

B.S. with Honors in Psychology, April 2008
Honors Thesis: Differences in Drawings in Typically and Atypically Developing Individuals
Undergraduate Thesis Advisor: Mark S. Strauss, PhD
Minors: Neuroscience, Studio Arts, Religious Studies

B. PUBLICATIONS

Sabatino DiCriscio, A. & Troiani, V. (Under Review). Eye blink, pupillometry, and the quantitative assessment of reward and punishment sensitivity and the broader autism phenotype. *Autism Research*.

Sabatino DiCriscio, A., Hu, Y., & Troiani, V. (2019). Pupillometry, visual perception, and ASD features in a task-switching paradigm. *Journal of Autism and Developmental Disorders*.

Sabatino DiCriscio, A., Hu, Y, & Troiani, V. (2019). Visual perception, task-induced pupil response trajectories and ASD features in children. *Journal of Autism and Developmental Disorders*.

Sabatino DiCriscio, A., Hu, Y, & Troiani, V. (2018). Task-induced pupil response and visual perception. *PLOS One*.

Sabatino DiCriscio, A. & Troiani, V. (2018). The Broader Autism Phenotype and Visual Perception in Children. *Journal of Autism and Developmental Disorders*, 1-12.

Sabatino DiCriscio, A. & Troiani, V. (2017). Pupil adaptation corresponds to quantitative measures of autism traits in children. *Scientific Reports*, 7(1), 6476.

Sabatino DiCriscio, A. & Troiani, V. (2017). Brief Report: Autism-like traits are associated with enhanced ability to disembed visual forms. *Journal of autism and developmental disorders*, 47(5), 1568-1576.

Benning, S.D., Kovac, M., Campbell, A., Miller, S., Hanna, E.K., Damiano, C.R., **Sabatino DiCriscio, A.**, Turner-Brown, L., Sasson, N.J., Aaron, R.V., Kinard, J., & Dichter, G.S.. (2016); Late Positive

Potential ERP Responses to Social and Nonsocial Stimuli in Youth with Autism Spectrum Disorder; *Journal of Autism and Developmental Disorders*, 46(9), 3068-3077.

Sabatino DiCriscio, A., Miller, S.J., Hanna, E.K., Kovac, M., Turner-Brown, L., Sasson, N., Sapyta, J., Troiani, V., & Dichter, G.S. (2016). Cognitive Control of Social and Nonsocial Visual Attention in Autism. *Journal of autism and developmental disorders*, 46(8), 2797-2805.

White, S. W., & **Sabatino DiCriscio, A.** (2015). Introduction to Special Issue ASD in Adulthood: Comorbidity and Intervention. *Journal of autism and developmental disorders*, 45(12), 3905-3907.

Watson, K. K., Miller, S., Hannah, E., Kovac, M., Damiano, C. R., **Sabatino DiCriscio, A.**, ... Dichter, G. S. (2015). Increased reward value of non-social stimuli in children and adolescents with autism. *Frontiers in Psychology*, 6. <http://doi.org/10.3389/fpsyg.2015.01026>

Richey, J.A., Damiano, C., **Sabatino, A.**, Rittenberg, A., Petty, C., Bizzell, J., Voyvodic, J., Heller, A., Coffman, M., Smoski, M., Davidson, R., & Dichter, G.S. (2015). Neural Mechanisms of Emotion Regulation in Autism Spectrum Disorders. *Journal of Autism and Developmental Disorders*, 1-15.

Sabatino, A., Rittenberg, A., Sasson, N.J., Bodfish, J., Dichter, G. (2013). Functional neuroimaging of social and nonsocial cognitive control in autism. *Journal of autism and developmental disorders*, 43(12), 2903-2913.

Richey, J.A., Rittenberg, A., Hughes, L., Damiano, C.A., **Sabatino, A.**, Miller, S. Hanna, E., Bodfish, J.W., & Dichter, G.S. (2013). Common and Distinct Neural Features of Social and Nonsocial Reward Processing in Autism and Social Anxiety Disorder. *Social, Cognitive, and Affective Neuroscience*.

Dichter, G.S., Richey, J.A. Rittenberg, **A. Sabatino**, A. Bodfish, J.W. (2012); Reward Network Function in Autism during Face Anticipation and Outcomes. *Journal of Autism and Developmental Disorders*, 42(2), 147-160.

Brock, M., Freuler, A., Baranek, G.T., Watson, L.R., Poe, M., & **Sabatino, A.** (2012). Temperament and Sensory Features of Children with Autism. *Journal of Autism and Developmental Disorders*.

Dichter, G.S. & **Sabatino, A.** (2009). Functional Neuroimaging of Autism Spectrum Disorders. In: *Advances in Medicine and Biology*, Volume 8.

C. POSTERS & PRESENTATIONS

Sabatino DiCriscio, A. & Troiani, V. (2019). Resting eye tracking metrics indicate features of reward sensitivity and ASD in children. Society for Neuroscience.

Kruhm, E., **Sabatino DiCriscio, A.**, & Troiani, V. (2019). Resting eye tracking metrics indicate features of reward sensitivity and ASD in children. Vision Sciences Society.

Sabatino DiCriscio, A., Hu, Y., & Troiani, V. (2019). Resting eye tracking metrics indicate features of reward sensitivity and ASD in children. Vision Sciences Society.

Sabatino DiCriscio, A. (2017). Characterizing distinct features of social motivation in the behavioral phenotype of Smith-Magenis Syndrome (SMS). *Scientific Research Symposium for PRISMS*.
<https://www.facebook.com/SmithMagenisSyndromePRISMS/videos/1686991524674207/>

Sabatino DiCriscio, A. & Troiani, V. (2017). Superior Abilities to Focus Visual Attention and Pupil Dynamics are linked to Broader Autism Traits. *Vision Sciences Society*.

Sabatino DiCriscio, A. & Troiani, V. (2017). Pupil adaptation corresponds to quantitative features of Autism traits in children. *International Meeting for Autism Research*.

DesChamps, TD, Cairney, BE, Hudac, CM, Ma, R, Wallace, AS, Troiani, V, **Sabatino DiCriscio, A**, Taylor, C, Bernier, RA. (2017). *Atypical Neural Processing of Auditory Stimulus Change among Children with Disruptive De Novo Mutations to SCN2A*. Poster presentation at the annual International Meeting for Autism Research (IMFAR) in San Francisco, CA.

Sabatino DiCriscio, A. & Troiani, V. (2016). Characterizing Individual Differences in Task-Evoked Pupillary Response and Selective Attention across the Broader Autism Phenotype. *Cognitive Neuroscience Society*.

Sabatino DiCriscio, A., Miller, S., Kovac, M., Hanna, E., & Dichter, G. (2015). Cognitive Control of Visual Attention in ASD in Response to Social and Non-Social Stimuli. *International Meeting for Autism Research*.

Sabatino DiCriscio, A., Evans, D.W., Troiani, V. (2015). Biological Motion Perception in Children with Developmental Brain Dysfunction (DBD) & Their Parents. *Social and Affective Neuroscience Society*.

Sabatino DiCriscio, A., Troiani, V., & Evans, D.W. (2015). Visual Exploration in Children with Developmental Brain Dysfunction (DBD) in Response to Social Stimuli and Non-Social Stimuli. *Social and Affective Neuroscience Society*.

Sabatino, A., Bodfish, J.W., Dichter, G. (2012). Circumscribed Patterns of Attention in Children with ASD and Pediatric OCD. *UNC School of Medicine, Graduate and Undergraduate Research Fair*.

Sabatino, A. (2012). Patterns of Attention to Social and Non-social Stimuli in Individuals with Autism Spectrum Disorders. *William & Mary 12th Annual Graduate Research Symposium*.

Sabatino, A., Bodfish, J.W., Sasson, N., Franklin, J., Benning, S., & Dichter, G. (2011). Affective Modulation of the Startle Eyeblink Reflex in Autism Spectrum Disorder in Response to Social and Non-social Stimuli. *International Meeting for Autism Research*.

Dichter, G., **Sabatino, A.**, Sasson, N., & Bodfish, J.W. (2010). Individuals with Autism Demonstrate Circumscribed Attention During Passing Viewing of Competing Social and Non-Social Stimuli. *International Meeting for Autism Research*.

Sabatino, A., Dichter, G., Rittenberg, A., & Bodfish, J.W. (2010). Cognitive Control of Social and Non-Social Information in Autism: an fMRI Investigation. *International Meeting for Autism Research*.

Elison, J., Reznick, J.S., Gibson, J., **Sabatino, A.**, Sabatos-Devito, M., & Piven, J. Repetitive and Stereotyped Behavior in Infants at High-Risk for Developing Autism. *International Conference on Infant Studies*.

Elison, J., Chappell, C., **Sabatino, A.**, & Piven, J. Microstructure of Saccadic Behavior in High and Low-Risk Infants: Visual Scanning of Static Novel Faces. *International Meeting for Autism Research*.

D. ADDITIONAL RESEARCH EXPERIENCE

Phenotyping on individuals with SCN2A deletions with Roche Pharmaceuticals

A multi-site investigation that focused on comprehensive phenotyping of individuals with SCN2A deletions and unaffected family members.

Patterns of Restricted and Repetitive Behaviors in Autism

An investigation focused on characterizing repetitive behaviors in children with and without autism, and children with obsessive compulsive disorder.

Psychophysiology of Individuals with and without Autism, Startle-EMG; Social-Emotional Validation Study

An investigation of the regulation of startle and post-auricular reflexes of individuals with and without

autism in response to different categories of social and nonsocial images and emotionally arousing images.

“PlayGrid”

Behavioral coding of CSBS tapes (semi-structured play based assessment) investigating the play behaviors and object exploration of infants at high- and low-risk for developing autism. Developed coding scheme and defined target behaviors. This project developed into other investigations of joint attention, visual exploration, and repetitive and restricted behaviors of infants and toddlers using the CSBS and Mullen.

E. TEACHING EXPERIENCE

Instructor in the Susquehanna University-Department of Psychology (Principles of Psychology)- Fall 2016

Guest Lecture in Susquehanna University-Department of Psychology (Abnormal Psychology)- Spring 2016

Guest Lecture in VT-Department of Psychology (Developmental PSYC)- Spring 2014

Instructor in the UNC-Department of Psychology (Child Development PSYC 250)- Fall 2012

Guest Lecture for Undergraduate Course in UNC-Department of Psychology (PSYC 250)- Spring 2012

Guest Lecture for Graduate Course in UNC-Department of Education on Infant/Toddler Development-Summer Session 2010

F. HONORS AND AWARDS

Preparing SLPS, OTS, Early Childhood Special Educators and Developmental Psychologists (US Department of Education- Training Grant) Fall 2008-Spring 2012

UNC Graduate School- Summer Research Award, 2012

G. PROFESSIONAL SERVICE

Director for the Summer Autism & Neurodevelopmental Disorder Internship (SANDI) program at the Geisinger Autism & Developmental Medicine Institute (Summer 2018-present)

Susquehanna University- Faculty Advisor for Women in STEM Fields (Fall 2016)

Virginia Autism Council (VAC) - Higher Education Representative (2014)

Ad Hoc Journal Reviewer:

Journal of Autism and Developmental Disorders
Journal of Child Psychology and Psychiatry
Autism Research
Journal for Social Cognitive and Affective Neuroscience (SCAN)
Clinical Psychological Science
Frontiers in Psychiatry

Guest Editor:

Journal of Autism and Developmental Disorders (2015)
Special Issue: Adults with ASD: Transition Planning, Education, and Comorbidity

H. ADDITIONAL SKILLS

Eyetracking and pupillometry data collection and analysis using Tobii Studio, SPSS, SAS, R and Matlab

Large scale database management and the use of such databases for analysis and the reporting of results

Electroencephalography (EEG) data collection using Electric Geodesics systems as well as Net Station software

ADOS-2 Research Reliable

ADI-R Research Reliable

Skilled in administration of other behavioral measures for children and adults including cognitive assessments and tests of visual perception

fMRI data collection and analysis using FSL and Matlab

Electromyography (EMG) data collection and analysis

Coordination of grant submissions including proposal and budget development for NIH