

Rachel M. Martino

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EDUCATION

University of Delaware, Department of Psychological and Brain Science **August 2021-Present**

- *Ph.D. Student in Clinical Psychology*
- **Advisor: Dr. Sophia Choukas-Bradley**

Brown University, Providence, RI **August 2015-May 2019**

- *Sc.B. Psychology*
Honors Thesis: *Learning of Gender Stereotypes During Development*
- *B.A. Gender and Sexuality Studies*
Senior Capstone: *Relationship, Intimacy, and Sexual Health Education for Autistic Adolescents*

HONORS AND AWARDS

National Science Foundation – Graduate Research Fellowship Honorable Mention **2021**

Sigma Xi Honor Society **2019**

The Harold Schlosberg Memorial Premium in Psychology **2019**

- Faculty-selected award of \$1000 recognizing an outstanding senior concentrating in psychology with honors

Brown University Presidential LINK Internship Award **2018**

- \$3,000 stipend award to support summer internship at Boston Children’s Hospital

Brown University Undergraduate Teaching and Research Award (UTRA) **2017**

- \$3,500 fellowship award to conduct summer research for senior honors project

MANUSCRIPTS

- **Martino, R.M.**, Weissman, D.G., McLaughlin, K.A., Hatzenbuehler M.L. Mental Health and Cognitive Consequences of Structural Stigma in Youth. (in prep)
- **Martino, R.M.**, Roberts, S.R., Maheux, A.J., Stout, C.D., Choukas-Bradley, S. The Role of Gender and Feminist Identity in Endorsement of Hookup Culture Among Emerging Adults. (in prep)
- Faja, S., Kohn, B., MacNaughton, G., **Martino, R.M.**, Boin Choi, A., Sharma, A., Solomon, D., Pereida, E., Pantalone, D. A Systematic Review of the Sexuality and Dating Information, Behavior, and Motivation of Autistic People. (under review)
- **Martino, R.M.**, Amso, D. & Werchan, D. Acquisition of Gender STEM Stereotypes Through Reinforcement Learning in School-Aged Children. (under review)

CONFERENCE PRESENTATIONS

- **Martino, R.M.**, Roberts, S.R., Maheux, A.J., Ladd, B.A., Stout, C.D., Choukas-Bradley, S. The Role of Gender and Feminist Identity in Endorsement of Hookup Culture Among Emerging Adults. *Harvard Women in Psychology Trends in Psychology Summit*. November 2021.
- **Martino, R.M.**, Amso, D. & Werchan, D. Acquisition of Gender STEM Stereotypes through Reinforcement Learning in School-Age Children. *Society for Research and Child Development: Virtual Biennial Meeting*. April 2021.

- **Martino, R.M.**, Rosen, M., Lurie, L., Sambrook, K., Meltzoff A. & McLaughlin, K. Hippocampal structure as a mechanism linking violence exposure with associative memory in young children. *Flux: The Society for Developmental Cognitive Neuroscience*. September 2020.
- Werchan, D., Baumgartner, H.A. **Martino, R.M.**, Lewkowicz, D. & Amso, D. Unisensory and multisensory processing in cortex. *Society for Research and Child Development*, Austin, TX. April 2017.
- Gunther, K., Markant, J., **Martino, R.M.** & Amso, D. The relation between attention orienting in infancy and executive control in early childhood. *International Congress of Infant Studies*, New Orleans, May 2016.

RESEARCH EXPERIENCE

Teen and Young Adult Lab, University of Delaware

Principal Investigator: Dr. Sophia Choukas-Bradley

Graduate Research Assistant

August 2021- Present

- Study the sociocultural factors that contribute to psychopathology during adolescence
- Conduct literature reviews, data analysis, qualitative coding, and manuscript preparation
- Mentor undergraduate research assistants on independent projects and literature reviews

Stress and Development Lab, Harvard University

Principal Investigator: Dr. Katie McLaughlin

Lab Manager

June 2020- July 2021

- Prepare IRB submissions, amendments, and data use agreements
- Manage lab logistics and finances
- Mentor undergraduate research assistants
- Data management, processing, and analysis using SPSS and Freesurfer

Research Coordinator

July 2019 – July 2021

- Coordinate longitudinal NIMH-funded R01 study investigating the psychopathology and neurodevelopmental outcomes associated with normative adolescent stress (ages 11-18)
- Develop independent research project exploring hippocampal volume as a mediator of the association between early-life stress and impaired associative memory
- **Research Skills:** fMRI scanning with children 11-17, physiological assessment (GSR, ECG), digital phenotyping (EMA, screen time, physiological monitoring), experimental task programming (PsychoPy, E-Prime, Qualtrics), cognitive and behavioral assessment (working memory, emotional granularity, MID, aversive learning)
- **Clinical Skills:** Kiddie Schedule for Affective Disorders and Schizophrenia (KSADS), UCLA Life Stress Interview, Self-Injurious Thoughts and Behaviors Interview (SITBI), Violence Exposure Scale for Children-Revised (VEX-R), Wechsler Abbreviated Scale of Intelligence (WASI-II), Risk Assessment

Developmental Cognitive Neuroscience Laboratory, Brown University

June 2014 – August 2019

Principal Investigator: Dr. Dima Amso

Senior Honors Research Project

- Under the guidance of Dr. Amso, conceptualized and implemented a project investigating the acquisition of gender biases in a classroom context.
 - Developed a novel computerized rule-learning task, tested 80 participants (aged 4-12), performed all analyses, and interpreted findings
 - Results suggest that gender identity is an essential social category that develops early in life and facilitates context learning
- **Research Skills:** Eprime, Matlab, and R programming; experimental design; literature review; participant recruitment; data collection and analysis using SPSS

Research Assistant

- Collected data on visual attention in ASD using mobile eye tracking technology in a pseudo-naturalistic preschool-like smart playroom
- Assisted with data collection examining the role of experience in audio-visual attention and the development of the temporal and occipital lobe in infancy using fNIRS
- Assisted in organizing the international conference at Brown University, “*Brains in Crisis: Stress and Resilience in Syrian Refugee Children*,” where leading humanitarian aid providers and scientists met to examine ways that early life stress affects the brain with the hope of assisting those working to help refugee children
- **Research Skills:** Behavioral coding from video; literature review; participant recruitment; data collection and analysis using SPSS; fNIRS; eye-tracking
- **Clinical Skills:** Woodcock-Johnson Test of Cognitive Abilities

Faja Lab - Labs of Cognitive Neuroscience, Boston Children’s Hospital

Summer 2018- Spring 2019

Principal Investigator: Dr. Susan Faja

Undergraduate Research Intern

- Developed computerized behavioral tasks and assisted with study start-up for a project examining sexual and romantic health education of adolescents and adults with ASD
- Assisted with data collection on the early development of executive control in ASD
- **Research Skills:** E-Prime and Matlab coding; test material development; literature review; systematic review; participant recruitment; REDCap

Perception, Action & Cognition Laboratory, Brown University

Spring 2017

Principal Investigator: Dr. Joo-Hyun Song

Independent Study Research Project

- Designed and implemented an independent research project examining the mechanisms underlying audio-visual speech perception
- **Research Skills:** Experimental design; Matlab coding; participant recruitment; data collection and analysis using SPSS

TEACHING EXPERIENCE

Teaching Assistant, *Research Methods and Design*, Brown University

Spring 2019

- Assisted Dr. Amitai Shenhav in a laboratory class aimed to provide a variety of tools needed to conduct research including experimental designs, research ethics, and statistical analyses

Teaching Assistant, *Social Psychology*, Brown University

Fall 2017, Fall 2018

- Assisted Dr. Bertram Malle and Dr. Oriell FeldmanHall in the Introductory Social Psychology course
- Advised students, assisted in grading, and taught review sessions of course material

MENTORSHIP AND ADVOCACY EXPERIENCE

Harvard Women in Psychology Trends in Psychology Summit: Mentorship Match Program

Fall 2021

- Provide mentorship and feedback to prospective graduate student on application materials

Application Statement Feedback Program (ASFP) Graduate Student Editor

Fall 2021

- Provide mentorship and feedback on personal statements for psychology PhD applicants, with a focus on applicants who identify as an underrepresented minority and/or as someone who does not have access to mentors informed about the PhD application process

Elementary After-School Mentor, Brown University

Fall 2015 - Spring 2019

- Planned and implemented lesson plans for a group of 15-20 elementary school students every week

Active Minds Board Member, Brown University**Fall 2015 - Spring 2019**

- Developed teach-ins, safe spaces, and advocacy events around campus to combat the stigma surrounding mental health issues on and off campus

Meiklejohn Peer Advisor, Brown University**Fall 2016 – Spring 2019**

- Advised six first-year students each year on navigating the transition to Brown University including choosing classes, finding research opportunities, and managing social lives

Safe House: Students Against Domestic Violence Member, Brown University**Fall 2016 – Spring 2019**

- Partnered with Women’s Center of Rhode Island to volunteer with Domestic Violence victims
- Planned campus events to raise awareness for domestic violence

RISE Summer Camp Counselor, Moses Brown School**June 2013 - August 2016**

- Developed and implemented engaging lesson plans involving science and the arts
- Facilitated a safe and creative learning environment for children ages 8-11

PROFESSIONAL AFFILIATIONS

American Psychological Association, <i>Student Member</i>	2021-Present
APA Division 7: Developmental Psychology	
APA Division 35: Society for the Psychology of Women	
APA Division 44: Society for the Psychology of Sexual Orientation and Gender Diversity	
Society for a Science of Clinical Psychology, <i>Student Member</i>	2021-Present
Society for Research on Adolescence, <i>Student Member</i>	2021-Present
Society for Research in Child Development, <i>Student Member</i>	2021-Present
SRCDC Sexual Orientation and Gender Identity/Expression (SOGIE) Caucus	
Association for Behavioral and Cognitive Therapies, <i>Student Member</i>	2021-Present

TECHNICAL SKILLS

Microsoft Office Word, Excel, and PowerPoint; Qualtrics; Adobe Photoshop; Matlab; E-Prime; PsychoPy; R; SPSS; Python; Pavlovia; Datavyu Video Coding; Acqknowledge Software; NVivo; REDCap; fMRI level 2 certification