

Emily G. Brudner

Doctoral Candidate in Psychology specializing in Social and Affective Neuroscience
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Education

2022	Ph.D., Psychology (Neuroscience)	Rutgers University-Newark
2015	B.S., Psychology (minor: Biology) Honors Thesis: <i>Expectation Plays a Role in Neural Processing of Emotional Pictures</i>	University of Miami

Research Experience

2017-	Doctoral Researcher Social and Affective Neuroscience Laboratory Advisor: Mauricio Delgado, PhD	Rutgers University Newark, NJ
2015-17	Post-Baccalaureate Research Assistant Cognitive Neuroscience Laboratory Advisor: Amishi Jha, PhD	University of Miami Coral Gables, FL
2013	Summer Research Fellow Behavioral Neuroscience Laboratory Advisor: Sidhartha Tan, MD	NorthShore University HealthSystems Evanston, IL
2011-15	Undergraduate Research Assistant Cognitive Neuroscience Laboratory Advisor: Amishi Jha, PhD	University of Miami Coral Gables, FL

Funding

2017-18	Daniel Lehrman Graduate Fellowship	Rutgers University-Newark
2013	Summer Research Fellowship	NorthShore University HealthSystems
2011-15	Research Stipend	University of Miami Commitment Program
2011-15	Dickinson Academic Scholarship	University of Miami
2011-12	Academic Scholarship	National Association of Steel Pipe Distributors

Peer-Reviewed Publications

Botvinik-Nezer et al. [including **Brudner, E. G.**] (2020). Variability in the analysis of a single functional neuroimaging dataset by many groups. *Nature*, 582, pp. 84-88. <https://doi.org/10.1038/s41586-020-2314-9>

Denkova, E., **Brudner, E. G.**, Zayan, K., Dunn, J., & Jha, A. P. (2018). Attenuated face processing during mind wandering: An ERP investigation. *Journal of Cognitive Neuroscience*, 30(11), pp. 1691-1703. http://dx.doi.org/10.1162/jocn_a_01312

Brudner, E. G., Denkova, E., Paczynski, M., & Jha, A. P. (2017). The role of expectations and habitual emotion regulation in emotion processing: An ERP investigation. *Emotion*, 18(2), pp. 171-180. <http://dx.doi.org/10.1037/emo0000313>

Oral Presentations

Denkova, E., **Brudner, E. G.**, Zayan, K., Dunn, J., & Jha, A. P. (2017). Face Processing is Attenuated during Mind Wandering: An ERP Investigation, *Society for Neuroscience*, Washington, D.C.

Brudner, E. G., Drobyshevsky, A., Luo, K., Gabriel, M., Tan, S. (2014). Detection of Cognitive Deficits in Infancy Following Antenatal Hypoxia-Ischemia. *NorthShore University HealthSystems Pediatric and Neonatology Research Seminar*, Evanston, IL.

Poster Presentations

Brudner, E. G., Khalil, A., & Delgado, M. R. (2019). The Upside of Social Media: The Influence of Peer 'Likes' on Adaptive Social Behavior. *Flux Society for Developmental Cognitive Neuroscience*, New York, NY.

Brudner, E. G., & Delgado, M. R. (2019). The Upside of Social Media: The Influence of Peer 'Likes' on Adaptive Social Behavior. *Learning and the Brain: Schooling Social Brains*, New York, NY.

Brudner, E. G., Ramos, N., Denkova, E., Morrison, A. B., Cullen, M., MacAulay, J., & Jha, A. P. (2016). The Influence of Training Program Duration on Cognitive and Psychological Benefits of Mindfulness and Compassion Training in Military Spouses. *International Symposium for Contemplative Studies*, San Diego, CA.

Brudner, E. G., Paczynski, M., Osman, A., & Jha, A. P. (2016). Expectation and Individual Differences in Emotion Regulation Modulate Neural Responses to Affective Stimuli. *Cognitive Neuroscience Society*, New York, NY.

Brudner, E. G., Jha, A. (2015). Expectation Plays a Role in Early and Late Neural Processing of Emotional Pictures. *Atlantic Coast Conference Meeting of the Minds*, Raleigh, NC.

Brudner, E. G., Jha, A. (2015). Expectation Plays a Role in Early and Late Neural Processing of Emotional Pictures. *University of Miami Research, Creativity, and Innovation Forum*, Coral Gables, FL.

Brudner, E. G., Drobyshevsky, A., Luo, K., Gabriel, M., Tan, S. (2014). Detection of Cognitive Deficits in Infancy Following Antenatal Hypoxia-Ischemia. *Pediatric Academic Societies*, Vancouver, BC.

Drobyshevsky, A., **Brudner, E. G.**, Jiang, R., Derrick, M., Luo, K., Tan, S. (2013). Early Olfactory Learning Deficits after Antenatal Hypoxi-Ischemic Brain Injury in Rabbits. *Society for Neuroscience*, San Diego, CA.

Awards and Honors

- Teaching Assistant of the Year, *Department of Psychology, Rutgers University-Newark* (2019, 2020)
- Rutgers-Newark Nominee, *Pierre Elliott Trudeau Foundation Doctoral Scholarship* (2020)
- Travel Award, *International Symposium for Contemplative Studies* (2016)
- Poster Award, *Research, Creativity, and Innovation Forum* (2015)

Professional Memberships

American Psychological Society (APS), Cognitive Neuroscience Society (CNS), Flux Society for Developmental Cognitive Neuroscience, Psi Chi International Honors Society, Social and Affective Neuroscience Society (SANS)

Teaching Experience

Lab Instructor

- Pedagogical Skills for Undergraduate Teaching Assistants (Fall 2019, Fall 2018)
- Experimental Methods for Cognitive and Behavioral Sciences (Spring 2019)

Teaching Assistant

- Introduction to Psychology (Spring 2020)
- Developmental Psychology (Spring 2020)

Guest Lecturer

- Introduction to Cognitive Neuroscience (Fall 2019)

Mentorship

Rutgers University-Newark

- Ann Khalil (2018-19) – Dean’s Summer Undergraduate Research Fellow, poster co-author
- Sandy Shehata (2018-19) – honors thesis student, upcoming publication co-author
- Kainaat Anwar (2019) – Psi Chi mentee
- Nansy Hanna (2019-20)
- Thalia Mullings (2019-20) – Psi Chi mentee
- Abigail Isaac (2019-)
- Julia Paredes (2020-)
- Merna Zaki (2020-)

University of Miami

- Ariel Paz (2015-17) – honors thesis student
- Ethan Homedi (2015-17) – honors thesis student
- Joseph Dunn (2015-17) – publication co-author
- Kristen Zayan (2015-17) – honors thesis student, publication co-author
- Shivani Hanchate (2015-17) – honors thesis student, poster award recipient
- Sydney Feldman (2015-17) – honors thesis student, poster award recipient

Additional Scientific Training

- Using R for Statistical Analyses (Rutgers University-Newark, Spring 2020)
- Summer School in Social Neuroscience & Neuroeconomics (Duke University, 2018)
- Social and Affective Neuroscience Summer School (*selected as attendee but declined due to conflict*, Mackenzie Presbyterian University, 2018)

Service

Ad Hoc Peer Review

Independently: NeuroImage [1], Social Cognitive and Affective Neuroscience (SCAN) [3]

With advisor: Nature Communications [1], Communications Biology [1], Psychophysiology [1], Emotion [1], Addiction Biology [1]

Academic Service

- Graduate School Application Mentor, *Project SHORT* (2020-)
- Graduate Liaison, *Psi Chi Psychology Honors Society at Rutgers-Newark* (2019-)
- Founder and Organizer, *Psi Chi Graduate Mentorship Program at Rutgers-Newark* (2019-)
- Organizer and Moderator, *Psi Chi Graduate School Panel at Rutgers-Newark* (2019)
- Panelist, *SMARTTeaching Workshop on Faculty Development* (2019)
- Lab Representative, *Rutgers-Newark Psychology Department Research Fair* (2018)
- Psychology Department Representative, *Rutgers-Newark Graduate Admissions Open House* (2018)
- Panelist, *Psi Chi Graduate School Panel at Rutgers-Newark* (2018)
- Conference Volunteer, *Social and Affective Neuroscience Society* (2018)

Community Outreach

- Volunteer, *Skype a Scientist* (2020-)
- Guest Speaker, *The Living Room School: Careers in Neuroscience* (2020)
- Volunteer, *Brain Awareness Week NYC* (2020) – canceled due to COVID-19
- Interviewee, *Chippewa Middle School Social Media Literacy Project* (2018)
- Lecture Series and Retreat Coordinator, *UMindfulness Initiative* (2015-17)
- Science Tour Leader, *Empowering Young Girls with Gulliver Schools* (2016)
- Science Tour Leader, *Science Field Trip with the Mandelstam School* (2016)
- Science Tour Leader, *University of Miami Neuroimaging Suite Open House* (2016)

Skills

*Emerging skill

- Methodology: fMRI*, EEG/ERP, Skin Conductance Responses
- Experimental Platforms: PsychoPy, E-prime, Acqknowledge, Qualtrics, BioSemi
- Data Preprocessing & Analysis: SPSS, FSL*, fmriprep*, BIDS formatting*, R*, Python*, Unix/Shell*, EMSE, Ledalab*, Matlab*
- Languages: English, French (Advanced: CEFR B2/C1)