

NADIA HADDARA

Ph.D. Student, Cognition & Brain Science Program, School of Psychology, Georgia Institute of Technology 831 Marietta St. NW, Atlanta, GA 30318
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EDUCATION

- Georgia Institute of Technology (Georgia Tech)**
2018 – Present Ph.D., Cognition & Brain Science – Advisor: Dobromir Rahnev, PhD.
- State University of New York (SUNY) at Binghamton**
2016 – 2018 M.S., Cognitive & Brain Sciences – Advisor: Vladimir Miskovic, PhD.
Thesis title: “Determining the Effects of Anticipatory Anxiety on Neural and Behavioral Correlates of Threat Generalization.”
- The American University in Cairo (AUC)**
2007 – 2011 B.A., Psychology, Minor: Biology
Graduated *Magna Cum Laude* as top honor student in the department.

RESEARCH AND WORK EXPERIENCE

- 2018 – Present **Georgia Tech, School of Psychology**
Graduate Student – Perception, Neuroimaging & Modeling Lab PI: Dobromir Rahnev, PhD.
- 2016 – 2018 **SUNY Binghamton, Center for Affective Science**
Graduate Student Research Fellow – Laboratory for Affective Neurodynamics PI: Vladmir Miskovic, PhD.
- 2015 – 2016 **Knowing Tree, LLC - Syracuse, NY**
Director of Research – Human neuroscience applications start-up
Chairman: Adam K. Anderson, PhD., Associate Professor, Cornell University.
- 2014 – 2015 **Harvard University, Psychology Department**
Research Assistant – Affective Neuroscience & Development Lab PI: Leah Somerville, PhD.
- 2013 – 2014 **Boston College, Psychology Department**
Research Assistant – Cognitive & Affective Neuroscience Lab PI: Elizabeth Kensinger, PhD.
- 2011 – 2012 **Harvard University, Children's Hospital Boston**
Molecular neuroscience pre-doctoral internship through Harvard University Graduate School of Arts and Sciences
PI: Larry Benowitz, PhD

2008 – 2011 **The American University in Cairo (AUC)**
Psychology Department: Undergraduate
Research Assistant PI: Mona Amer, PhD.

2010 – 2011 Biology Department: Undergraduate
Research Assistant PI: Asma Amleh, PhD.

FELLOWSHIPS, GRANTS AND AWARDS

- 2023 Georgia Tech School of Psychology Best Paper Award
- 2019 PsyGrad Travel Award – Georgia Tech
- 2018 – 2019 School of Psychology Research Assistantship – Georgia Tech (Stipend, TA waiver)
- 2018 Center for Affective Science Research Development Grant – SUNY Binghamton (\$4000)
- 2017– 2018 Center for Affective Science Graduate Fellowship – SUNY Binghamton (Stipend, TA waiver)
- 2016 Harpur College Fellowship – SUNY Binghamton (\$1000)
- 2014 Annual Poster Competition Award – Eastern Psychological Association Conference
- 2011 Highest Honors Award (Department of Psychology) – AUC
Given to the top graduating senior in each department
- 2011 Humanities & Social Sciences Certificate of Outstanding Academic Achievement – AUC
Given to the top 3 Psychology majors with reference to research and GPA (Rank: 1st)
- 2009 – 2011 Achievement Scholarship – AUC
Tuition reduction awarded to students achieving a GPA above 3.75
- 2007 – 2011 Dean’s List – AUC

PUBLICATIONS

(Advisees are underlined)

Haddara, N., Rahnev, D. (preprint). Threat expectation does not improve perceptual discrimination despite causing heightened priority processing in the frontoparietal network. <https://www.biorxiv.org/content/10.1101/2023.07.06.547999v1>

Haddara, N., Rahnev, D. (2022). The impact of feedback on perceptual decision-making and metacognition: Reduction in bias but no change in sensitivity. *Psychological Science*, 33(2), 259-275. <https://doi.org/10.1177/09567976211032887>

Rahnev, D., Desender, K., ... **Haddara, N.**... (2020). The Confidence Database. *Nature Human Behaviour*, 4:317-325. <https://doi.org/10.1038/s41562-019-0813-1>

Haddara, N., Ravid, J., Miller, E.L., O'Hagan, M.A., Caracciolo, C.E. & Miskovic, V. (2018).

Anxious anticipation prolongs emotional interference for rapid visual detection. *Emotion*. <https://doi.org/10.1037/emo0000521>

Somerville, L.H., **Haddara, N.**, Sasse, S.F., Skwara, A.C., Moran, J.M., & Figner, B. (2018). Dissecting "peer presence" and "decisions" to deepen understanding of peer influence on adolescent risky choice. *Child Development*. <https://doi.org/10.1111/cdev.13081>

Haddara, N., Jalal, B., Anderson, G.D., Amer, M.M. & Simons-Rudolph, J.M. (2012). Profile and predictors of voluntary civic engagement at a private university in Egypt. *Global Journal of Community Psychology Practice*, 4(1), 1-11. <https://doi.org/10.7728/0401201301>

PRESENTATIONS AND INVITED TALKS

(Advisees are underlined)

Haddara, N., Rahnev, D. (2021). The impact of threat expectation on the behavioral and neural mechanisms of perceptual decision making. Poster for the *Social & Affective Neuroscience Society's Annual Meeting (virtual)*.

Haddara, N., Rahnev, D. (2019). Trial-by-trial feedback does not improve performance or metacognition in a large-sample perceptual task. Poster for the *Vision Sciences Society's Annual Meeting*, St. Pete Beach, FL.

Haddara, N., Rhodes, L.J., Nguyen, T., Deschamps, K., Harrington, L. & Miskovic, V. (2018). Determining the Effects of Anticipatory Anxiety on Neural and Behavioral Correlates of Threat Generalization. Talk for the *Society for Psychophysiological Research Annual Meeting*, Quebec City, Canada.

Haddara, N., Ravid, J., Miller, E.L., O'Hagan, M.A., Caracciolo, C.E., O'Rourke, R., Pouliot, J., Davis, S., Rhodes, L.J. & Miskovic, V. (2018). Anxious Anticipation Prolongs the Emotion-induced Blindness Effect. Talk for the *Vision Sciences Society's Annual Meeting*, St. Pete Beach, FL.

Haddara, N., Rhodes, L.J., Nguyen, T., Deschamps, K., Ijomah, S., Miller, E.L. & Miskovic, V. (2018). The impact of anxious arousal on the discrimination between threat and safety cues. Poster for the *Cognitive Neuroscience Society's Annual Meeting*, Boston, MA.

Haddara, N., Hansen, N.E. & Miskovic, V. (2018). The impact of acute stress on the perceptual vividness of affective stimuli. Poster for *Eastern Psychological Association Annual Meeting*, Philadelphia, PA.

Haddara, N., Allard E. S., & Kensinger E. A. (2014). Age related differences in visual fixation preferences to emotional stimuli: The role of individual differences in reappraisal ability. Poster for the *Eastern Psychological Association Annual Meeting*, Boston, MA ***Best Poster Award**

Haddara, N., Bennion K. A., & Kensinger E. A. (2014). The effects of sleep and individual differences in trait-reappraisal on emotional memory. Poster for the *NEURON*

Conference, New Haven, CT.

Haddara, N. (2013). Reflections on the Journal Publication Process: Thrills and Challenges. Invited guest speaker for RHET400 - Writing and Editing for Publication, The American University in Cairo, Egypt.

Haddara, N. (2010). Faculty Outlook on the Move to a New University Campus. Talk for the *Annual AUC Conference for Excellence in Undergraduate Research*, Cairo, Egypt.

Anderson, G. D., **Haddara, N.**, Amer, M. M. & Simons-Rudolph, J. M. (2010). Who Are the Civic Engagers? Psychological, Academic, and Community-Level Correlates. Talk for the *American Psychological Association convention*. San Diego, California.

El Sayeh, S., Jalal, B., **Haddara, N.**, Samir, S. W. & Amer, M. M. (2010). Marginalized Empowering the Marginalized: Egyptian Youths' Voices on Civic Engagement. Talk for the *American Psychological Association convention*. San Diego, California.

Organized Symposiums

Arousal-mediated Enhancement of Emotional Cue Processing (2018). Speakers: Marta Andreatta, Matthias J. Wieser, Florian Bublatzky, Mathias Weymar & ***Nadia Haddara**, Symposium for the *Society for Psychophysiological Research Annual Meeting*, Quebec City, Canada. ***Symposium Chair**

TEACHING EXPERIENCE

Georgia Tech, School of Psychology Graduate Teaching Assistant

Spring 2023	PSYC4090: Cognitive Neuroscience
Fall 2022/ Spring 2021	NEUR3003: Neuroscience of Behavior
Spring 2022	PSYC4803: Ethics in Neuroscience and PSYC4025: Learning & Memory
Spring 2020	PSYC2230: Abnormal Psychology

Held office hours, gave feedback on student's paper and project, graded exams, quizzes, papers, projects. In addition, helped organize online distance learning during the COVID-19 crisis.

SUNY Binghamton, Department of Psychology

Spring 2017 Graduate Instructor – PSYC344: Psychology Research Methods Lab

Primary instructor for weekly Research Methods Lab. Designed assignments and grading rubrics, created lectures in PowerPoint, provided primary feedback to students on their papers, held office hours, tutored SPSS, graded exams, assignments, and papers.

Fall 2016 Graduate Teaching Assistant – PSY220: Developmental Psychology

Held office hours, provided feedback on papers, graded exams, assignments & papers.

The American University in Cairo, Department of Psychology
 Spring 2010 Undergraduate Teaching Assistant – PSYC208: Psychology Research Methods

Contributed to course design, provided primary feedback to students on their papers, organized and hosted 6 guest lectures, led weekly course lab, tutored SPSS and helped students run analyses.

MENTORSHIP EXPERIENCE

- 2022 **Career Talk at John Lewis Invictus Academy**
 Gave a presentation to middle-school students about careers in Neuroscience at John Luis Invictus Academy through the Grove Park Foundation (who work with underprivileged majority African American communities)
- 2019 **Atlanta Science Festival - Discovery Day**
 Center for Advanced Brain Science Volunteer. Represented our brain center at the Discovery Day event (500+ children & teens) by teaching kids about the brain using FreeSurfer.
- 2019 **Atlanta Regional Brain Bee**
 Workshop co-instructor. Lectured students aged 13-17 on Learning and Memory. Designed and implemented a concept matching competition for students to apply what they learned.
- 2018–Present **Georgia Tech, School of Psychology**
 Research Advisor – Perception, Neuroimaging & Modeling Lab
Advisees: Ashna Bhardwaj, Siena Tetali, Khue Tran, Samuel Weiss-Cowie.
- 2016 – 2018 **McNair Scholars Program**
 Research Advisor – Laboratory for Affective Neurodynamics
Advisees: Stephanie Ijomah, Honors Thesis: Electrophysiological Correlates of Low-field Magnetic Stimulation (LFMS).
- 2016 – 2018 **SUNY Binghamton, Department of Psychology**
 Research Advisor – Laboratory for Affective Neurodynamics
Advisees: Erica Miller, Honors Thesis: The temporal evolution of graded visual perception for affective and neutral scenes.
 Kendra Deschamps, Lillian Harrington, Thomas Nguyen, Ryan O'Rourke, Jourdan Pouliot & Stacey Davis.
- 2014 – 2015 **Harvard University, Department of Psychology**
 Research Advisor – Affective Neuroscience & Development Lab
Advisees: Ana Reyes, Nadine Abi Akbar & Ming Zhu.

TECHNICAL SKILLS

Programming	R, MATLAB.
fMRI	Siemens 3T MRI Scanner, ROI & PPI analysis in MATLAB (SPM).
EEG	Electrical Geodesics (EGI; 129 electrodes), Steady-state visual evoked potentials (ssVEPs) and Event related potentials (ERPs), time and frequency domain analysis using MATLAB (EMEGS, EEGLab).
Psychophysiology (ECG).	Biopac/Acqknowledge (ECG & EDA Skin Conductance), Mindware (ECG).
Eye-tracking	SMI Sensomotoric Instruments, BeGaze, SMI Experiment Center.
Histology&Microscopy	Embedding tissue, tissue sectioning on Cryostat & Vibratome.
Immunohistochemistry,	Light & Fluorescent microscope
Data Visualization	R (ggplot2), Adobe Photoshop, Inkscape.
Languages	Bilingual: English and Arabic.

PROFESSIONAL MEMBERSHIPS

Vision Sciences
Cognitive Neuroscience Society
Social & Affective Neuroscience
Society for Psychophysiological
Research
Eastern Psychological Association
American Psychological Association

REVIEWING EXPERIENCE

Ad hoc reviewer for: *The Journal of Neuroscience - Neurobiology of Learning and Memory*
- NeuroImage: Clinical Psychophysiology - Cognitive, Affective, and Behavioral Neuroscience.