

Maria Khoudary

308 Research Drive, Durham, NC 27708
Center for Cognitive Neuroscience, Duke University
maria.khoudary@duke.edu • (919) 660-3028
Twitter: [@maria_khoudary](#)

Education

Boston College, Chestnut Hill, MA May 2019
Bachelor of Science, Psychology (honors) and Philosophy
Scholar of the College Thesis: "Securing the Reliability of Episodic Memory"
Advisors: Dr. Maureen Ritchey and Dr. Richard Atkins

Experience

Lab Manager and Research Assistant, De Brigard Lab, Duke University Summer 2019-present

- Conduct online surveys using Qualtrics and Amazon Mechanical Turk, analyze fMRI data using partial least squares regressions, collect and analyze behavioral data.
- Manage over 10 IRB protocols, oversee lab finances, create and maintain lab website.
- Organize and administrate the Summer Seminars in Neuroscience and Philosophy.

Undergraduate Research Fellow, Ritchey Lab, Boston College Fall 2017-Spring 2019

- Designed and conducted honors thesis testing the effects of divided attention on semantically induced memory distortions.
- Collected and manually rejected EEG data, administered behavioral studies examining how context, context reinstatement, emotion, and emotion regulation modulate episodic memory.

Undergraduate Research Fellow, Carrasco Lab, New York University Summer 2018

- Worked with graduate student Michael Jigo to design, pilot, and conduct a behavioral experiment quantifying the effects of covert exogenous attention on contrast sensitivity across the visual field.
- Compiled a comprehensive literature review, wrote MATLAB scripts to organize and visualize obtained data.

Undergraduate Research Assistant, Cordes Lab, Boston College Spring 2017-Fall 2017

- Conducted behavioral experiments testing numerical cognition in 2- and 3-year-old human participants, assisted with behavioral experiments testing numerical cognition in infants.

Undergraduate Research Assistant, Dr. Gene Heyman, Boston College Fall 2016

- Calibrated stimulus duration for an experiment testing rapid attention allocation.

Awards and Honors

Phi Beta Kappa, Boston College	Spring 2019
Scholar of the College, Boston College	Spring 2019
Order of the Cross and Crown, Boston College	Spring 2019
Research Experience for Undergraduates Fellow, National Science Foundation	Summer 2018
Dean's List, First Honors	Spring 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019
Undergraduate Research Fellowship, Boston College	Spring 2018
Nu Rho Psi, National Honor Society in Neuroscience	Fall 2018
Psi Chi, National Honor Society in Psychology	Fall 2017
Honors Program, Boston College Psychology Department	Fall 2017
Honors Program, Boston College Morrissey College of Arts and Sciences	Spring 2015

Academic Publications

Khoudary, M. (under review). Effects of divided attention on picture misattributions.

Talks and Presentations

Khoudary, M., Cooper, R., Ritchey, M. (May 2019). Effects of divided attention on item and source memory. Poster presented at the Boston College Psychology Undergraduate Research Conference.

Khoudary, M. (April 2019). How attention alters perception. Talk given at Nu Rho Psi outreach event, "What's New in the Brain?".

Khoudary, M., Jigo, M., Carrasco, M. (July 2018). Characterizing the effects of covert exogenous attention on contrast sensitivity across the visual field. Poster presented at the NYU Diversity Summer Student Research Conference; talk given at the Center for Neural Science Summer Undergraduate Research Program Symposium.

Skills

Programming and Software

Intermediate proficiency: PsychoPy

Novice proficiency: MATLAB, EEGLAB toolbox for MATLAB, R, Python, SPSS, Excel, Inkspace

Data Collection (human subjects)

EEG (BioSemi 64 channel gel)

Eye Tracking (EyeLink 1000)

Behavioral (PsychoPy, MATLAB, Psychtoolbox, MGL, Qualtrics, Amazon Mechanical Turk)

Last updated: September 2019

Languages

Native fluency: Arabic (Levantine)

Intermediate reading: Arabic (Levantine, Modern Standard), French

Vocalization: Arabic (Egyptian, Levantine, Modern Standard), Farsi, French, Ancient Greek

Relevant Coursework

Boston College

Intro to Psychology as a Natural Science

Intro to Behavioral Statistics and Research

Research Practicum in Cognition Psychology

Sensation and Perception

Psychopharmacology

Experimental Design and Statistics (grad/undergrad)

Philosophy of Science (grad/undergrad)

Selected Readings in Phenomenology (grad/undergrad)

Computer Science I

Developmental Psychology

Cognitive Psychology

Cognitive Neuroscience

Behavioral Neuroscience

Neural Circuits of Emotional Memory

Philosophy of Mind

Tufts University – seminars with Dr. Daniel Dennett

50 Years of Consciousness Research (grad/undergrad)

Current Topics in Consciousness Research (grad/undergrad)

Duke University – audited courses

Functional Neuroimaging

Leadership & Outreach

Mentor, Psychology Department Mentorship Program, Boston College

Fall 2018-Spring 2019

- Met monthly with three undergraduate psychology students to offer advice about courses, career development, research opportunities, and time management.

President, Nu Rho Psi, Boston College

Spring 2018-Spring 2019

- Worked with a graduate student and three undergraduates to establish a Boston College chapter of the national honor society in neuroscience.
- Drafted and revised the constitution, prepared a presentation about the organization for an interview with the Office of Student Involvement, recruited new general and executive board members, planned and executed first annual induction ceremony, aided in planning first outreach event in collaboration with Friendship Works and the Boston Public Libraries.

FM DJ, WZBC-Newton, Boston College

Fall 2018-Spring 2019

- Hosted a radio show (“default mode”) wherein I played variants of psychedelic music and interviewed Boston-based scholars in psychology, neuroscience, and/or philosophy.
- Scholars interviewed: Rosalie Samide (Psychology PhD Student, Boston College), Brittany Jeye (Psychology PhD Student, Boston College), Madelyn Ray (Psychology PhD Student, Kyle Kurkela (Psychology PhD Student, Boston College), Maureen Ritchey (Assistant Professor, Boston College), Dorsa Amir (Postdoctoral Associate, Boston College), Enoch Lambert (Postdoctoral Associate, Tufts University).

Tutor, Connor’s Family Learning Center, Boston College

Fall 2017-Spring 2019

Subjects tutored: Behavioral Neuroscience, Sensation and Perception, Intro to Behavioral Statistics and Research, Research Methods for Social Sciences, Intro to Psychology as a Natural Science, Intro to Psychology as a Social Science, Developmental Psychology, Philosophy