

Naseem Hadi Dillman-Hasso

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EDUCATION

- Present** **Ph.D. Student in Environment & Natural Resources: Environmental Social Sciences**
The Ohio State University, Columbus, Ohio
Advisors: Robyn S. Wilson, Ph.D., & Nicole Sintov, Ph.D.
Research Foci: Social Psychology, Environmental Behavior Change Programs, Environmental Risk and Decision Making, Climate Adaptation, Behavioral Persistence, Environmental Psychology
Expected Graduation: Spring 2026
- 2020** **B.A. in Psychology**
Carleton College, Northfield, Minnesota
Senior Thesis: *When the Nature of 'Nature' is Inconsistent: Evaluating the Natural Environment in Attention Restoration Theory*
Advisor: Julia Strand, Ph.D.

GRANTS, HONORS, & SCHOLARSHIPS

- 2023** Decision Sciences Collaborative Research Grant from The Ohio State University: *It's expensive to be green! But are more expensive things always green? Investigating perceptions and dynamic norms in the context of grocery decisions.* (\$2,820)
- 2022** Society for Risk Analysis Student Travel Award (\$500)
- 2021** University Fellowship from The Ohio State University (\$30,420)
- 2021** National Science Foundation Graduate Research Fellowship Honorable Mention
- 2021** APS Observer Up-And-Coming Voice
- 2020** John K. Bare Prize in Psychology from Carleton College
- 2020** Honors in Independent Study from Carleton College: *The Nature Buffer: The Missing Link in Climate Change and Mental Health Research*
- 2019** Woodside Endowed Internship Fund (\$4,200)
- 2018** Towsley Endowment for Student-Faculty Research (\$1,380)
- 2018** Woodside Endowed Internship Fund (\$2,500)

RESEARCH EXPERIENCE

Doctoral Student

Wilson Environment, Risk, and Decision Lab

The Ohio State University

August 2021-Present

Responsibilities:

Working with Robyn Wilson, Ph.D., I focus on sustainable decision making and climate risk among farmers in Ohio. Through multiple national and local grants, the work hones in on how weather shifts can impact a farmer's approach to conservation, how intrinsic motivation can be sustained after external rewards have been offered, and how to promote conservation through highlighting value-action gaps. I contribute to manuscripts writing, data analysis, and dissemination of research at conferences.

Doctoral Student

Environmental Behavior Change Research Group

The Ohio State University

August 2021-Present

Responsibilities:

Working with Nicole Sintov, Ph.D., I focus on individual sustainable decision making and how interventions can influence the choices that individuals make. Looking at outcomes such as household energy consumption, food purchasing decisions, and electric vehicle adoption, I apply behavior change models and social psychological interventions to promote sustainable choices. I also contribute to presenting research at conferences, data analysis, and writing manuscripts.

Lab Manager

Perception Lab

Carleton College

March 2020-August 2021

Responsibilities:

As Lab Manager, I assisted Julia Strand, Ph.D. and the Perception Lab with study design and conceptualization, writing and reviewing data analysis code in R, and manuscript writing and editing, along with writing preprints and registered reports. Most of the research focuses on audiovisual spoken word perception and the effort needed to understand speech, and I am the lead or co-lead on multiple projects focusing on Listening Effort, Open Science, and the McGurk Effect. I also contribute to general lab upkeep, including scheduling of participants and lab members, organization, and data management.

Research Assistant

Perception Lab

Carleton College

January 2018-March 2020

Responsibilities:

Working with Julia Strand, Ph.D., I ran participants and studied the effects of audio and visual integration on speech perception for 15 hours per week. I helped write and received authorship one manuscript on individual differences in the McGurk Effect that was published in the journal PLOS ONE. I helped conceptualize other studies, read scientific articles, and wrote and revised other manuscripts for publication. Additionally, I presented three posters and gave a talk at psychology conferences.

Independent Research

Environment and Mental Health

Carleton College

December 2018-March 2020

Responsibilities:

I worked directly with Deborah Gross, Ph.D. on personal research questions that I had regarding the effects of nature and climate change on human mental health. In addition to writing literature reviews regarding current practices in the field and providing suggestions for future research, I wrote a paper for publication on the effects of nature and climate change on mental health and submitted the paper to the Journal of Environmental Studies and Sciences. This manuscript has been published and received the Honors in Independent Study award from Carleton College.

Summer Research Assistant

Sleep and Environmental Psychology Lab

CUNY Baruch

Summer 2019

Responsibilities:

Under the guidance of Mindy Engle-Friedman, Ph.D., I conducted research on the gap between climate change beliefs and climate activism. I wrote multiple literature reviews and analyzed large datasets to determine pro-environmental behavior predictors in college-aged students. A focus project that I had was on the interactions between exposure to climate related lawsuits and climate support in college-aged youth. One project from this research was presented in online poster form at the annual Association for Psychological Science conference in the summer of 2020.

Summer Research Assistant*Bergelson Lab*

Duke University

Summer 2018

Responsibilities:

I worked with Erika Bergelson, Ph.D. and studied the effects of infant word learning through visual, social, and environmental input for 40 hours a week. My duties included running infant participants in lab, coding data for linguistic input, and analyzing data in R. I conducted a focus project on differences in word learning for children with bilateral hearing disorders corrected by cochlear implants and hearing aids.

TEACHING EXPERIENCE

Teaching Assistant

ENR 3200: Environment and Natural Resource Policy

The Ohio State University

Spring 2023 semester

Responsibilities:

I taught 1 lecture; graded essays, homework, and exams; provided written feedback for students; held office hours; and met with students 1-on-1 for a class size of 125.

Teaching Assistant

ENR 3400: Psychology of Environmental Problems

The Ohio State University

Fall 2022 semester

Responsibilities:

I taught 2 lectures; graded essays and exams; provided written feedback for students; held office hours; and communicated with the course professor about class performance for a class size of 94. Rated 4.45/5 by student evaluation. Student feedback included: "Naseem is a great lecturer," "Seemed very well informed," "Very passionate grad student," Great T.A. and gave interesting lecture."

Teaching Assistant

PSYC 200 + Lab (Measurement and Data Analysis)

Carleton College

Winter 2020 term

Responsibilities:

I graded lab assignments and homework and provided written feedback for students, and answered questions that students had with specific assignments for a class of 45.

Prefect

PSYC 110

Academic Support Center, Carleton College

Winter, Spring, and Fall 2019 terms

Responsibilities:

While prefecting for Introduction to Psychology, I facilitated interactive, discussion-based meetings with students outside of class twice a week to solidify understanding of material. I created study sheets and practice quizzes for students to use for preparing for classes and assessments. Class sizes ranged from 35-70.

PUBLICATIONS (Peer Reviewed: 5; In Principle Acceptance: 1; Preprint: 1; Citations: 89)

Wennberg, J., **Dillman-Hasso, N. H.**, Strand, J. F., Brown, V. A. (*In Principle Acceptance*). Impaired Performance in Noise: Disentangling Listening Effort from the Irrelevant Speech Effect. *Collabra: Psychology*. Registered Report.

- Brown, V. A., **Dillman-Hasso, N. H.**, Li, Z., Ray, L., Mamantov, E., Van Engen, K. J., & Strand, J. F. (2022). Revisiting the target-masker linguistic similarity hypothesis. *Attention, Perception, & Psychophysics*, 1-16.
- Dillman-Hasso, N. H.** (2021). The nature buffer: the missing link in climate change and mental health research. *Journal of Environmental Studies and Sciences*, 1-6. doi: 10.1007/s13412-021-00669-2
- Dillman-Hasso, N. H.** (2020). When the nature of ‘nature’ is inconsistent: Evaluating the natural environment in Attention Restoration Theory.
- Strand, J.F., Ray, L., **Dillman-Hasso, N. H.**, Villanueva, J., Brown, V. A. (2020). Understanding Speech amid the Jingle and Jangle: Recommendations for Improving Measurement Practices in Listening Effort Research. *Auditory Perception & Cognition*, doi: 10.1080/25742442.2021.1903293
- Guang, C., Lefkowitz, E., **Dillman-Hasso, N. H.**, Brown, V., & Strand, J. F. (2020). Recall of Speech is Impaired by Subsequent Masking Noise: A Replication of Rabbitt (1968) Experiment 2. *Auditory Perception & Cognition*, 1-10. doi: 10.1080/25742442.2021.1896908
- Brown, V. A., Hedayati, M., Zanger, A., Mayn, S., Ray, L., **Dillman-Hasso, N. H.**, & Strand, J. F. (2018). What accounts for individual differences in susceptibility to the McGurk effect?. *PLoS ONE*, 1. doi: 10.1371/journal.pone.0207160

PRESENTATIONS

- Dillman-Hasso, N. H.**, Wilson, R. S. (December 2022). Sustaining Change Under Risk: Promoting Intrinsic Motivation for Environmental Behavior Change Program. Talk presented at Society for Risk Analysis.
- Dillman-Hasso, N. H.**, Walpole, H., Wilson, R. S. (December 2021). Identifying who engages in sustainable adaptation in large-scale commodity agriculture. Online poster presented at Society for Risk Analysis.
- Dillman-Hasso, N. H.**, Kathawalla, U. K., Ackermann, L. (June 2021). How to dip your toes in open science and bring it to your department. Unconference presented at Society for the Improvement of Psychological Science.
- Brown, V., **Dillman-Hasso, N. H.**, Li, Z., Ray, L., Mamantov, E., Van Engen, K., Strand, J. (November 2020). Lipreading in Noise: Cross-Modal Analysis of the Target-Masker Linguistic Similarity Hypothesis. Online pre-recorded talk (talk recorded and prepared by NDH) presented at the 61st annual Psychonomic Meeting.
- Guang, C., Lefkowitz, E., **Dillman-Hasso, N. H.**, Brown, V., Strand, J. (November 2020). Recall of speech is impaired by subsequent masking noise: A direct replication of Rabbitt (1968). Online poster presented at Auditory, Perception, and Cognition Action Meeting at Psychonomics.
- Dillman-Hasso, N. H.**,* Tipaldo, J.*, Piskorski, N., Engle-Friedman, M. (Summer 2020). The attitude-action gap in sustainability: Connectedness to nature helps mediate the difference. Poster presented online at Association for Psychological Science 32nd Annual Convention. Hosted online due to COVID-19 pandemic.
- Ray, L., **Dillman-Hasso, N. H.**, Brown, V., Hedayati, M., Zanger, A., Mayn, S., Strand, J. (November 2019). What accounts for individual differences in susceptibility in the McGurk effect? Poster at Auditory, Perception, and Cognition Action Meeting at Psychonomics. Montreal, Canada.
- Ray, L., & **Dillman-Hasso, N. H.** (May 2019). What accounts for individual differences in susceptibility to the McGurk effect? Talk presented at the Minnesota Undergraduate Psychology Conference. St. Peter, Minnesota.
- Ray, L., **Dillman-Hasso, N. H.**, Curtis, A., Navratil, J., Brown, V., Strand, J. (May 2019). “Paying” attention to audiovisual stimuli: Do incongruent stimuli incur greater costs? Presented at the Minnesota Undergraduate Psychology Conference. Northfield, Minnesota.
- Mayn, S., Ray, L., **Dillman-Hasso, N. H.**, Finstuen-Magro, K., Frieden, A., Hedayati, M., Smith, J., Zanger, A., Wennberg, J., Brown, V., Strand, J. (April 2018). Talking points: A modulating circle reduces listening effort without improving speech recognition. Presented at the Minnesota Undergraduate Psychology Conference. Northfield, Minnesota.
- Hedayati, M., Smith, J., Zanger, A., Wennberg, J., Mayn, S., Ray, L., **Dillman-Hasso, N. H.**, Finstuen-Magro, K., Frieden, A., Brown, V., Strand, J. (April 2018). Changes in listening effort across difficulty condition are independent of working memory. Presented at the Minnesota Undergraduate Psychology Conference. Northfield, Minnesota.

* Indicates co-first authors

TECHNICAL SKILLS

Languages: Intermediate Spanish and Arabic; Beginning Czech

Software:

Proficient in: R, R Studio, Quarto, iOS, iPadOS, MacOS, Microsoft Office Suite, Google Workspace, ELAN, CLAN, datavyu, SPSS, Windows OS, website design, FileMaker, Mail Merge

Exposure to: iMovie, Photoshop, InDesign, HTML, CSS, Ruby, python, and GIS Databases

Data Analysis (all in R): A/B testing, linear modelling, linear mixed effects modelling, structural equation modelling, Bayesian modelling, data visualization

Sampling of packages: Tidyverse, lavaan, lme4, ggplot2, RStudioAPI, bayes, rethinking, psych

Music: Classical Piano (16 years), Orchestral Trombone (11 years)

PROFESSIONAL AFFILIATIONS

2022-Present Student Chair for APA Division 34

2021-Present Conference Planning Committee for APA Division 34

2020-Present PsyArXiv Moderator

2019-Present Society for the Improvement of Psychological Sciences (SIPS) member

2021-Present Society for Personality and Social Psychology member

2021-Present Society for Risk Analysis member

2021-2022 Student Chair-Elect for APA Division 34

2020-2021 Student Secretary for APA Division 34: Society for Environmental, Population, and Conservation Psychology

AD HOC REVIEWER

Journal of Environmental Psychology

Risk Analysis

Journal of Health Communication

Soil and Water Conservation

WORK AND LEADERSHIP EXPERIENCE

Student Departmental Advisor

Carleton College Psychology Department

April 2019-March 2020

Responsibilities:

I held two discussion groups per term for students, faculty, and staff about topics in psychology, including illusions, nature and mental health, and the psychology of animals. I acted as a liaison between faculty and students for the major and held office hours once a term for questions about class registration.

Technical Support Assistant and Assistive Technologist

Carleton College Information Technology Services

September 2016-June 2019

Responsibilities:

I identified technical issues and provided specialized support to students, faculty, and staff, including solving problems with network administration, hardware and software, and other IT problems. I also focused on training and providing support with Assistive Technology, particularly in support of students with physical or learning disabilities, and providing technologies such as Kurzweil and Firefly, Dragon NaturallySpeaking, and Smartpens.