

# Naseem Hadi Dillman-Hasso

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## EDUCATION

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- Present**      **Ph.D. Student in Environment & Natural Resources**  
The Ohio State University, Columbus, Ohio  
School of Environment and Natural Resources  
Advisors: Robyn S. Wilson, Ph.D., & Nicole Sintov, Ph.D.
- 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

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- 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

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### Graduate Researcher

*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.

### Graduate Researcher

*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

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### 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 class.

### 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.

## WORK AND LEADERSHIP EXPERIENCE

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### 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.

### Program and Community Assistant

Carleton College Summer Academic Programs (now Summer Liberal Arts Institute)

Summer 2017

#### Responsibilities:

I facilitated and organized events to keep students engaged and served as a dorm counselor for 23 high school students for three weeks. I served in an on-call capacity to manage logistical and student crises for the entire summer, and developed and provided handouts, materials, and binders for camp patrons using FileMaker and Mail Merge. Prior to the students' arrival on campus, I helped match roommates based on questionnaires.

## PUBLICATIONS

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- 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.
- Strand, J.F., Ray, L., **Dillman-Hasso, N. H.**, Villanueva, J., Brown, V. A. (2021). 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. (2021). 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
- 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
- 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.**, 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 61<sup>st</sup> 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 32<sup>nd</sup> 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:** Microsoft Office Suite, Google Suite, R, ELAN, CLAN, datavyu, SPSS, OS X, Windows OS, website design, FileMaker, Mail Merge

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

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

**PROFESSIONAL AFFILIATIONS**

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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