

**Work Address:**

Uris Hall – Office B105  
109 Tower Rd  
Ithaca – 14850, NY

**Correspondence:**

hbt7@cornell.edu

*Correspondence in English preferred*

<https://hamidturker.github.io>

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## EDUCATION AND QUALIFICATIONS

**2022-present Postdoctoral Associate**

Cornell University

**2022 Ph.D. *Psychology***

Cornell University

*Major area:* Perception, Cognition, and Development

*Minor area:* Cognitive Science

**2018 M.A. *Psychology***

Cornell University

**2013 M.Sc. *Cognitive Neuroscience (cum laude)***

Leiden University, The Netherlands

**2011 B.Sc. *Psychology***

Leiden University, The Netherlands

*Minor area:* Brain and Cognition

Leiden Institute of Brain and Cognition

Leiden University Medical Center

## RESEARCH APPOINTMENTS

**2014-2015 Research Assistant/Junior Researcher**

Leiden University, The Netherlands

**Spring 2013 Research Trainee**

Harvard University & Brigham & Women's Hospital

- Fall 2012**     **Visiting Student Research Collaborator**  
Princeton University
- 2011**         **Research Assistant – Royal Netherlands Academy of Arts and Sciences**  
Leiden University, The Netherlands

## TEACHING APPOINTMENTS

- 2020-2021**     **Course Instructor**  
Cornell University (self-designed courses)  
*Fundamental Debates in Brain & Behavioral Sciences*   (Fall '20, Spring '21)  
*Intro. to Cognitive Science* (summer, '21)
- 2015-2020**     **Graduate Teaching Assistant**  
Cornell University  
*Statistics and Research Design*  
*Intro. to Cognitive Science*                     Guest lecture “Situated Cognition” (2017)  
   Writing in the Majors supervisor (2019)  
  
*Perception*  
*Intro. to the Psychology of Language*        Guest lecture on Generalization of  
   syntax and lexical categories  
  
*Intro. to Social Psychology*  
*Community Outreach*  
*Intro. to Cognitive Science*                     Summer course (2020)
- 2014-2015**     **Teaching and Research Staff Member**  
Leiden University, The Netherlands  
*Cognitive Psychology*                             Skills lab instructor  
*Consciousness*                                     Self-designed course

## PUBLICATIONS

***Peer-reviewed and in prep publications:***

**Turker, H. B.**, Colcombe, S., & Swallow, K. M. (under review). Shared and Unshared Contributions of LC and VTA to Static Functional Connectivity.

**Turker, H. B.** & Swallow, K. M. (under review). Diffusion Decision Modeling of Intentional and Incidental Temporal Selection of Behaviorally Relevant Moments.

Riley, E., **Turker, H. B.**, Swallow, K., De Rosa, E., & Anderson, A. (under review). Task Evoked Pupillary Responses as a Potential Peripheral Marker of Central Cognitive Aging.

Swallow, K. M., Broitman, A. W., Riley, E., & **Turker, H. B.** (2022). Grounding the Attentional Boost Effect in Events and the Efficient Brain, *Frontiers in Psychology*, 13:892416

Moyal, R., **Turker, H. B.**, Luh, W.-M., & Swallow, K. M. (2022). Auditory Target Detection Enhances Processing and Hippocampal Functional Connectivity, *Frontiers in Psychology*, 13:891682

**Turker, H. B.**, Riley, E., Luh, W. M., Colcombe, S. J., & Swallow, K. M. (2021). [Estimates of locus coeruleus function with functional magnetic resonance imaging are influenced by localization approaches and the use of multi-echo data.](#) *NeuroImage*, 118047.

**Turker, H. B.** & Swallow, K. M. (2019). [Attending to Behaviorally Relevant Moments Enhances Incidental Relational Memory.](#) *Memory & Cognition*, 47(1), 1-16.  
doi: 10.3758/s13421-018-0846-0

#### **Book chapters:**

Nolte, J., & **Turker, H. B.** (in press). Involving older adults in the data analysis process. In A. Urbaniak & A. Wanka (Eds.), *Doing ageing research together: Innovative perspectives on participatory approaches*. Routledge.

Nolte, J., & **Turker, H. B.** (2021). Teaching students how to effectively take notes. In K. Armstrong, L. Genova, J. W. Greenlee, & D. Samuel (Eds.), [Teaching gradually: Practical pedagogy for graduate students. by graduate students.](#) Sterling, VA: Stylus Publishing

## CONFERENCE POSTERS AND PRESENTATIONS

**Turker, H. B.**, Colcombe, S., & Swallow, K. M. (2022, April). Shared and Unshared Contributions of LC and VTA to Static Functional Connectivity. Poster at Cognitive Neuroscience Society, San Francisco, California.

Nolte, J., & **Turker, H. B.** (2021, November). Involving older adults in the data analysis process. Talk to be presented at the annual meeting of the Gerontological Society of America (virtual).

Riley, E., Cicero, N., **Turker, H. B.**, Swallow, K. M., De Rosa, E., & Anderson, A. (2021, June). Multimodal Evidence for the Use of Pupillary Responses for Evaluating Cognitive Aging in Locus Coeruleus. Poster at Organization for Human Brain Mapping (virtual).

**Turker, H. B.**, Moyal, R., & Swallow, K. M. (2021, May). Drift Diffusion Modeling of Intentional and Incidental Temporal Selection of Behaviorally Relevant Moments. Poster at Vision Sciences Society, St. Pete Beach, Florida (virtual).

**Turker, H. B.** & Swallow, K. M. (2020, August). Diffusion Decision Modeling of Incidental Relational Memory for Behaviorally Relevant Moments. Poster at Context and Episodic Memory Symposium, Philadelphia, Pennsylvania (virtual).

Broitman, A. W., **Turker, H. B.**, Swallow, K. M. (2020, August). Attending to Behaviorally Relevant Events Disrupts EEG Spectral Subsequent Memory Effects. Poster at Context and Episodic Memory Symposium, Philadelphia, Pennsylvania (virtual).

**Turker, H. B.**, Riley, E., Luh, W.-M., Colcombe, S., & Swallow, K. M. (2020, June). Multi-echo fMRI and Localization Method Affect Functional Estimates of the Locus Coeruleus. Poster at Organization for Human Brain Mapping, Montreal, Canada (virtual).

Riley, E., **Turker, H. B.**, Swallow, K., De Rosa, E., & Anderson, A. (2019, October). Measuring Age-Related Changes in Locus Coeruleus Intensity and its Relationship to Cognitive Aging. Poster at Society for Neuroscience, Chicago, Illinois

Broitman, A. W., **Turker, H. B.**, & Swallow, K. M. (2019, May). The P300 Predicts Subsequent Biomarkers of Recollection and Familiarity. Poster at Context and Episodic Memory Symposium, Philadelphia, Pennsylvania.

**Turker, H. B.** & Swallow, K. M. (2018, November). Increasing Attention to Behaviorally Relevant Moments Facilitates Incidental Relational Memory. Poster at Object Perception, Attention, & Memory, New Orleans, Louisiana

Moyal, R., **Turker, H. B.**, Phelps, A., Luh, W.-M., & Swallow, K. M. (2018, November). Behaviorally Relevant Events Modulate Hippocampal Representations and Functional Connectivity. Poster at Society for Neuroscience, San Diego, California.

**Turker, H. B.**, Phelps, A., Moyal, R., Swallow, K. M. (2017, August). Auditory Targets Boost Contextual Memory and Increase Repetition Suppression in the Hippocampus. Poster presented at 13th International Conference for Cognitive Neuroscience, Amsterdam, The Netherlands.

**Turker, H. B.**, Swallow, K. M. (2017, May). Relational memory is enhanced in the attentional boost effect. Poster presented at Vision Sciences Society, St. Pete Beach, Florida.

Swallow, K. M., **Turker, H. B.**, Moyal, R., Li, G. (2016, November). Attending to auditory targets enhances visual perceptual processing in ventral visual cortex. Poster presented at Society for Neuroscience, San Diego, California.

## SUMMER SCHOOLS AND WORKSHOPS

2019                      **Model-Based Neuroscience & BrainHack**  
University of Amsterdam, The Netherlands

## MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS

Socrates – Amsterdam, the Netherlands	American Psychological Association
New York Academy of Sciences	Psychonomic Society
Society for Neuroscience	Vision Sciences Society
Organization for Human Brain Mapping	Cognitive Neuroscience Society

## AWARDS AND HONOURS

2021	Significant Paper Award - Cornell University
2020	Exceptional Departmental Service Award - Cornell University
2018	Cornell Colman Leadership Program
2017	Cognitive Science Program Travel Award – Cornell University
2015, 2019	SAGE Fellowship – Cornell University (\$60,000 total)
2014	Socrates – Dutch & Flemish Honour Society
2013	Outbound Study Grant
2012	LUSTRA Fund
2012	LUF International Study Fund

## SERVICE, OUTREACH, AND PUBLIC ENGAGEMENT

### Ad Hoc Review

Journal of Experimental Psychology: Learning, Memory, & Cognition

2019-2021	<b>Neisser Lecture Committee</b> Cornell University Graduate student representative and organizer.
2019	<b>T.A. Ryan Award Committee</b> Cornell University
2019-present	<b>Graduate Student Ambassador</b> Cornell University
2017-present	<b>Curatorial Assistant of the Wilder Brain Collection</b> Cornell University

## RESEARCH SKILLS

<i>Imaging training</i>	Leiden U., Psychophysiology Lab	EEG
	Leiden U., Babylab	fNIRS
	Leiden U. Medical Center, Radiology	3T & 7T fMRI / DTI
	Cornell U. MRI Facility	3T fMRI

	Cornell U. HEB Lab	EEG
<i>Physiological measures</i>	Cornell U., AMP Lab	Eye tracking, Pupillometry
<i>Anatomization</i>	Leiden U. Medical Center, Embryology  Cornell U., Biopsychology Lab	Human dissection (brain, spine) Staining, Slicing Microscopy
<i>Analyses</i>	R, Python, SPSS AFNI for fMRI MNE for EEG NiLAB /NIRS-SPM for fNIRS	
<i>Programming</i>	MATLAB and Psychtoolbox 3, Python Shell scripting (bash, tcsh, csh, awk, sed, grep) E-Basic for E-Prime, PsychoPy	
<i>Additional skills</i>	Animal handling (rodents, finches), CPR certified	
<i>Languages</i>	<i>Fluent</i> Dutch English Turkish	<i>Intermediate</i> German French