

Nicole Hakim

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Education

- PhD candidate in the Department of Psychology, Integrative Neuroscience Division* 2015-Present
Dissertation to be completed in the Visual Attention and Memory Lab of Ed Awh & Ed Vogel
University of Chicago, Chicago IL
- M.A. in the Division of the Social Sciences, focus in Cognitive Neuroscience* 2017
Master's thesis completed in the Visual Attention and Memory Lab of Ed Awh & Ed Vogel
University of Chicago, Chicago IL
- B.S. Psychology with highest distinction* 2015
Honors thesis completed in the Visual Cognition Lab of Dan Simons
University of Illinois, Urbana-Champaign, IL
- B.S. Spanish with high distinction* 2015
Honors thesis completed in Spanish philology with Eduardo Ledesma
University of Illinois, Urbana-Champaign, IL

Manuscripts in Preparation

- Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (*in prep*) Dissecting how interruption impacts neural signatures of working memory.
- Hakim N**, deBettencourt MT, Awh E, Vogel EK (*in prep*) Loss of individual items from working memory after long retention intervals.

Publications

- Hakim N**, Feldmann-Wüstefeld F, Awh E, Vogel EK (*submitted*) Perturbing neural representations of working memory with task-irrelevant interruption. *Available on BioRxiv*.
- Hakim N**, Awh E, Vogel EK (*submitted*) Manifold working memory. In *Working memory: a multicomponent model* (Eds. Robert Logie, Nelson Cowan, and Valerie Camos) Oxford University Press.
- Hakim N**, Adam KCS, Gunseli E, Awh E, Vogel EK (2019) Dissecting the neural focus of attention reveals distinct processes for spatial attention and object-based storage in visual working memory. *Psychological Science*.
- Hakim N**, Vogel EK (2018) Phase-coded memories in mind. *PLOS Biology*.
- Hakim N**, Simons DJ, Zhao H, & Wan X (2017) Do easterners and westerners differ in visual cognition? A preregistered examination of three visual cognition tasks. *Social Psychological and Personality Science*.

Conference Oral Presentations

- Hakim N**, Feldmann-Wüstefeld T, Awh E, Vogel EK (2019) The influence of task-relevant vs. task-irrelevant interruption on dissociable sub-component processes of the focus of attention. *Vision Sciences Society*, St. Pete Beach, FL.

Awh E, **Hakim N**, Adam KCS, Vogel EK (2018) Dissecting the neural focus of attention reveals distinct processes for spatial attention and object-based storage in visual working memory. *Psychonomic Society*, New Orleans, LA.

Hakim N, Feldmann-Wüstefeld T, Awh E, Vogel EK (2017) Distinct attention and working memory mechanisms protect internal representations from interruption. *Object Perception, Attention, and Memory*, Vancouver, Canada.

Conference Poster Presentations

Hakim N, Awh E, Vogel EK (2019) EEG-based decoding of attended location: a comparison of convolutional neural networks, forward encoding models, and logistic regression. *The Algonauts Project*, Boston, MA

Hakim N, Feldmann-Wüstefeld T, Awh E, Vogel EK (2018) Object representations persist when spatial attention is diverted. *Psychonomic Society*, New Orleans, LA

Hakim N, Feldmann-Wüstefeld, T, Awh E, Vogel EK (2018) Distinct attention and working memory mechanisms protect internal representations from interruption. *Vision Sciences Society*, St. Pete Beach, FL

Hakim N, Vogel EK (2017) Graded loss of information from working Memory after long retention intervals. *Psychonomic Society*, Vancouver, Canada.

Hakim N, Adam KCS, Awh E, Vogel EK (2017) Sustained spatial attention is not sufficient to elicit the contralateral delay activity. *Vision Sciences Society*, St. Pete Beach, FL

Hakim N, Vogel EK (2016) Moving the limits of performance in a visual working memory task. *Psychonomic Society*, Boston, MA

Hakim N, Simons D, Zhao H, Wang X (2015) Cultural differences in visual cognition. *Object Perception, Attention, and Memory*, Chicago, IL

Teaching Experience

<i>Teaching Intern</i> , Mind I-III, University of Chicago	<i>Fall 2017,</i>
Discussion section leader for undergraduate seminar on mental processes, biological mechanisms, & social context	<i>Winter 2018,</i>
	<i>Spring 2018</i>
<i>Teaching Assistant</i> , Research Methods, University of Chicago	<i>Spring 2017</i>
Discussion section leader and guest lecturer for undergraduate course on statistics	
<i>Teaching Assistant</i> , Fundamentals of Psychology, University of Chicago	<i>Winter 2017</i>
Discussion section leader and guest lecturer for introductory undergraduate course	

Honors & Awards

<i>Fellow</i> , Summer Institute for Cognitive Neuroscience, Santa Barbara, CA	<i>2019</i>
<i>Participant</i> , Deep learning analysis workshop, The National Center for Brain Mapping, Woods Hole, MA	<i>2019</i>
<i>Fellow</i> , Institute for Mind and Biology, University of Chicago	<i>2015-present</i>
<i>President</i> , Academic and Career Development, Psychology Graduate Student Organization, University of Chicago	<i>2016-present</i>

<i>Best Poster</i> , Object Perception Attention and Memory Conference, Chicago, IL	2015
<i>Magna Cum Laude</i> , University of Illinois, Urbana-Champaign	2015
<i>Charles Eriksen Award</i> , Visual Cognition Human Performance Psychology Division, University of Illinois, Urbana-Champaign	2015
<i>Joseph S. Flores Award</i> , Department of Spanish, University of Illinois, Urbana-Champaign	2015
<i>James Spoor Award</i> , Department of Psychology, University of Illinois, Urbana-Champaign	2015
<i>James Scholar</i> , College of Liberal Arts and Sciences, University of Illinois, Urbana-Champaign	2011-2015
<i>Deans' List</i> , College of Liberal Arts and Sciences, University of Illinois, Urbana-Champaign	2011-2015

Professional Memberships

<i>Psychonomic Society</i>	2015-present
<i>Society for Neuroscience</i>	2015-present
<i>Vision Sciences Society</i>	2016-present

Ad hoc Reviewing

Annals of the New York Academy of Sciences
Attention, Perception, & Psychophysics
Consciousness & Cognition
Journal of Cognitive Psychology

Academic Service

<i>Professional Development Committee</i> , Psychology Graduate Student Organization, University of Chicago	2015-present
<i>Committee Member</i> , Institute for Mind and Biology, University of Chicago	2017-present

Technical skills

Proficient with Matlab, Python, R, SPSS, EEGLAB, Eyelink, Psychtoolbox, Freesurfer, Pytorch
 Native speaker of English, fluent in Spanish, basic German and Catalan