

Hanna Hillman

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Education

University of Minnesota

Bachelor of Arts, Psychology
Minor, Neuroscience
Minor, Sociology

Sept 2010 – May 2016

Neuroscience & Psychology Research Experience

Computational Cognitive Neuroscience Lab, Harvard University

Research Assistant/Lab Manager
Advisor: Professor Sam Gershman

June 2019 – Present

Hasson Lab, Princeton University

Research Assistant
Advisors: Professor Uri Hasson, Dr. Meir Meshulam

Oct 2017 – June 2019

Miller Vision Lab, University of Minnesota

Research Assistant
Advisor: Professor Robert F. Miller

April 2014 – Jan 2015

DeYoung Personality Lab, University of Minnesota

Research Assistant
Advisor: Dr. Rachael Grazioplene

Jan 2013 – May 2014

Other Academic Experience & Training

Continuing Education Program, Princeton University

Graduate Course - NEU314: Mathematical Tools of Neuroscience
Taught by: Professor Carlos Brody

Sept 2018 – Jan 2019

Neurology Dept, University of Minnesota

Shadow Experience

Jan 2017 – May 2017

Earl E. Bakken Medical Devices Center

Segmentation Specialist
Advisor: Dr. Davis Fay

Dec 2016 – May 2017

TEDxUMN

Chief Curator, Co-Director & Licensee

May 2014 – Jan 2015

Publications & Manuscripts

- M. Meshulam, L. Hasenfratz, **H. Hillman**, Y.-F. Liu, K. A. Norman, U. Hasson. Shared Structure in Neural Activity during Learning and Test Predicts College Course Performance. (in prep)
- S. A. Nastase, Y.-F. Liu, **H. Hillman**, K. A. Norman, U. Hasson. (2019). Leveraging shared connectivity to aggregate heterogeneous datasets into a common response space. bioRxiv 741975; doi: <https://doi.org/10.1101/741975>. (pre-print)
- S. A. Nastase, Y.-F. Liu, **H. Hillman**, A. Zadbood, L. Hasenfratz, N. Keshavarzian, J. Chen, C. J. Honey, Y. Yeshurun, M. Regev, M. Nguyen, C. H. C. Chang, C. Baldassano, O. Lositsky, M. A. Chow, Y. C. Leong, P. Brooks, A. Goldstein, G. Choe, K. A. Norman, U. (2019). Narratives: fMRI data for evaluating models of naturalistic language comprehension. <https://doi.org/10.18112/openneuro.ds002245.v1.0.3> (dataset)

Conference Presentations

- M. Meshulam, L. Hasenfratz, **H. Hillman**, Y.-F. Liu, K. A. Norman, U. Hasson. Shared Structure in Neural Activity during Learning and Test Predicts College Course Performance. 25th Annual Meeting on the Organization for Human Brain Mapping. (2019) *Poster*.
- S. A. Nastase, Y.-F. Liu, **H. Hillman**, K. A. Norman, U. Hasson. Leveraging shared connectivity to aggregate heterogeneous datasets into a common response space. 25th Annual Meeting on the Organization for Human Brain Mapping. (2019) *Poster*.
- M. Meshulam, L. Hasenfratz, **H. Hillman**, Y.-F. Liu, K. A. Norman, U. Hasson. Shared structure in neural activity across individuals during learning and during test facilitates performance in an introduction to computer science course. Society for Neuroscience Conference. (2019) *Talk*.
- S. A. Nastase, Y.-F. Liu, **H. Hillman**, A. Zadbood, L. Hasenfratz, N. Keshavarzian, J. Chen, C. J. Honey, Y. Yeshurun, M. Regev, M. Nguyen, C. H. C. Chang, C. Baldassano, O. Lositsky, M. A. Chow, Y. C. Leong, P. P. Brooks, A. Goldstein, G. Choe, K. A. Norman, U. Hasson. Narratives: fMRI data for evaluating models of naturalistic language comprehension. Society for Neuroscience Conference. (2019) *Talk*.

Workshops & Conferences Attended

Alan Alda Communicating Science Workshop

Princeton University (2018)

Brainiak MURI Workshop

Princeton University (2018)

BRAIN Initiative Investigators Meeting

Washington DC (2019)

Conference on Cognitive Computational Neuroscience (CCN)

Berlin, Germany (2019)

Bernstein Conference

Berlin, Germany (2019)

Skills & Proficiencies

Languages

Python • Julia • Javascript • SQL • French

Data Collection

fMRI • pERG • fNIR • Online (mTurk/Turkprime)

Data Analysis

FSL • Freesurfer • ITK Snap • Python (pandas)

Web Development

Javascript • Wordpress • Wix

Hobbies

Dance (Lindy Hop) • Carpentry • Improv • Anatomical Illustration • Hiking

Nonacademic Experience

Allied Medical Training

Emergency Medical Technician

Sept 2016 – Dec 2016

At Work A/S (Denmark)

Writer & Business Consultant

Client: Camilla Hilbrands, CEO

March 2015 – May 2017

Earth Trust (Hawaii)

Researcher, Editor & Illustrator

Client: Professor Nate Hagens, President

June 2016 – Nov 2016

Goldratt Research Labs (South Africa)

Researcher, Writer & Business Consultant

Client: Dr. Alan Barnard, CEO

Dec 2015 – June 2016