

MOLLY S. HERMILLER, PhD

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mhermiller@fsu.edu

ACADEMIC POSITIONS

- Aug 2023 Assistant Professor
Florida State University, Tallahassee, FL
Psychology Department
- 2021-2023 Postdoctoral Fellow
Columbia University, New York City, NY
Departments of Biomedical Engineering and Psychology
Pls: Joshua Jacobs, PhD; Lila Davachi, PhD

EDUCATION

- 2014-2020 Ph.D., Neuroscience
Northwestern University, Chicago, IL
Date Received: September 4th 2020
Advisor: *Joel Voss, PhD*
- 2012-2014 Masters of Public Policy and Administration
Specialization: Public Health and Advocacy
Northwestern University, Chicago, IL
- 2010-2011 Post-Baccalaureate Medical Sciences
Northwestern University, Chicago, IL
- 2006-2010 Dual Degree: B.A., Psychology; B.A., Speech and Hearing Sciences
Minors: Neuroscience, Disability Studies
The Ohio State University, Columbus, OH
Latin Honor: Cum Laude

FELLOWSHIPS, HONORS, and AWARDS

- 2025 Senior Investigator Impact Award
International TMS-MRI Workshop
- 2025 Undergraduate Research Mentor Grant
Florida State University (\$1250)
- 2024 Pioneer Award
NYC Neuromodulation Conference 2024
- 2024 First Year Assistant Professor Award
Council on Research and Creativity, Florida State University
- 2023 Speaker Travel Award
International TMS-fMRI Workshop
- 2023-2025 NIH LRP – Independent Research Program (L30NS124030-01)
"Causally testing the functional role of theta rhythms for hippocampal-dependent episodic memory in humans via theta-burst patterned brain stimulation"

	National Institute of Neurological Disorders and Stroke
2022	Speaker Travel Award International TMS-fMRI Workshop
2022	Travel Award Columbia University Department of Biomedical Engineering
2021-2023	NIH LRP – Mentored Research Program (L30NS124030-01) "Causally testing the functional role of theta rhythms for hippocampal-dependent episodic memory in humans via theta-burst patterned brain stimulation" National Institute of Neurological Disorders and Stroke
2019-2020	National Research and Service Award (F31 NS111892) "Hippocampal Neural Correlates of Memory Enhancement Via Theta-Rhythmic Human Brain Stimulation Via Simultaneous TMS/fMRI" National Institute of Neurological Disorders and Stroke
2018	Trainee Award BRAIN Initiative Investigators Meeting
2016-2018	Training Program in the Neuroscience of Human Cognition (T32 NS047987) "Testing the roles of hippocampal-cortical networks in episodic memory using noninvasive brain stimulation" National Institute of Neurological Disorders and Stroke
2016	Travel Award Northwestern University Interdepartmental Neuroscience Program

RESEARCH EXPERIENCE

2020	Cognitive Electrophysiology Workshop, University of Pennsylvania, Philadelphia PA
2015	FreeSurfer Course Martinos Center for Biomedical Imaging, Charleston MA
2015	AFNI Bootcamp National Institute of Health, Bethesda MD
2014-2020	Graduate Research Assistant Northwestern University, Chicago IL <i>PI: Joel L. Voss, PhD (rotation advisors: Thorsten Kahnt, PhD; Lei Wang, PhD; Tommi Raij, PhD, MD)</i>
2013-2014	Post-baccalaureate Research Assistant, Laboratory for Human Neuroscience Northwestern University, Chicago IL <i>PI: Joel Voss, PhD</i>
2012-2014	Research Study Coordinator, Biobehavioral Mechanisms and Health Outcomes Lab Northwestern University, Chicago IL <i>PI: Frank Penedo, PhD</i>

RESEARCH SUPPORT

- 2026-2028 Council on Research and Creativity Seed Grant (\$60,000)
Florida State University
- 2021 Zuckerman Mind Brain Behavior Institute Seed Grant (\$20,000)
Human Cognitive Imaging Management Committee, Columbia University
- 2019-2020 National Research and Service Award (F31 NS111892)
National Institute of Neurological Disorders and Stroke
- 2016-2018 Training Program in the Neuroscience of Human Cognition (T32 NS047987)
National Institute of Neurological Disorders and Stroke

PUBLICATIONS

* indicates trainees from my lab

Hermiller MS. (2025). Challenging the excitatory-inhibitory dichotomy dogma of intermittent theta-burst stimulation and continuous theta-burst stimulation. *Neuromodulation*, doi: 10.1016/j.neurom.2025.06.011

Hermiller MS, Fang R, Li W. (2025). Frontiers of women in brain imaging and stimulation, volume II: 2024. *Frontiers Human Neurosci*, 19: 1648769 doi: 10.3389/fnhum.2025.1648769

Eng GK, Tambini A, **Hermiller MS**, Recchia N, Harvey JR, Iosifescu DV, Tobe RH, Stern ER. (2025). Personalized non-invasive neuromodulation for sensory-based urge suppression in individuals with OCD: a proof of concept investigation. *Front Hum Neurosci*, 19: 1587644, doi: 10.3389/fnhum.2025.1587644

Woolgar A+, Feredoes E+, Assem M, Bassil Y, Bergmann TO, Beynel L, Burke M, Comeau R, Correia M, Genç E, Hartwigsen G, Jackson J, Kienle M, Kunz P, Leticevscaia O, Luber B, Lueckel M, Mathiesen C, Michael E, Numssen O, Oathes D, Rosen A, Schuhmann T, Schuler A, Scrivener CL, Thielscher A, Tik M, Todorov Y, Vasileiadis M, Windischberger C, **Hermiller MS**^, Sack A^*. (2025) Concurrent TMS-fMRI: An international consensus and functional guide for current and future researchers. *Nature Protocols*, doi: 10.1038/s41596-025-01182-4

Burns MR*, **Hermiller MS**. (2025). Quantifying and reporting the precision of transcranial magnetic stimulation targeting. *Brain Research*. doi: 10.1016/j.brainres.2024.149350.

Hermiller MS. (2024). Effects of continuous versus intermittent theta-burst TMS on fMRI connectivity. *Front Hum Neurosci*, 18: 1380583, doi: 10.3389/fnhum.2024.1380583

Hermiller MS, Dave S, Wert SL, VanHaerents S, Riley M, Weintraub S, Mesulam MM, Voss JL. (2022). Evidence from theta-burst stimulation that age-related de-differentiation of the hippocampal network is functional for episodic memory. *Neurobiol Aging*, 109 doi: 10.1016/j.neurobiolaging.2021.09.018.

Hermiller MS, Chen YF, Parrish TB, Voss JL (2020). Evidence for immediate enhancement of hippocampal memory encoding by network-targeted theta-burst stimulation during concurrent fMRI. *Journal of Neuroscience*. doi: 10.1523/JNEUROSCI.0486-20.2020

Freedberg M, Reeves J, Toader A, **Hermiller MS**, Haubenberger D, Cheung YK, Voss JL, Wasserman E. (2020). Optimizing hippocampal-cortical network modulation via repetitive transcranial magnetic stimulation: A dose-finding study using the continual reassessment method. *Neuromodulation*. doi: 10.1111/ner.13052

- Hermiller MS**, VanHaerents S, Raij T, Voss JL. (2019). Testing the preference of the human hippocampal-cortical network and episodic memory for theta-band frequencies using noninvasive stimulation. *Hippocampus*, 29(7): 595-609. doi: 10.1002/hipo.2305
- Hermiller MS**, Karp E, Nilakantan AS, Voss JL. (2019). Episodic memory improvements due to noninvasive stimulation targeting the cortical-hippocampal network: A replication and extension experiment. *Brain and Behavior*. doi: 10.1002/bbrb.3.1393
- Warren KN, **Hermiller MS**, Nilakantan A, Voss JL. (2019). Stimulating the hippocampal posterior-medial network enhances task-dependent connectivity and memory. *Elife*. doi: 10.7554/eLife.49458.
- Freedberg M, Reeves JA, Toader AC, **Hermiller MS**, Voss JL, Wasserman EM. (2019). Persistent enhancement of hippocampal network connectivity by parietal rTMS is reproducible. *eNeuro*. doi: 10.1523/ENEURO.0129-19.2019
- Warren KN, **Hermiller MS**, Nilakantan AS, O'Neil J, Palumbo R, Voss JL. (2018). Increased fMRI activity correlations in autobiographical memory versus resting states. *Human Brain Mapping*. doi: 10.1002/hbm.24248
- Kim S, Nilakantan AS, **Hermiller MS**, Palumbo RT, VanHaerents S, Voss JL. (2018). Selective and coherent activity increases due to stimulation indicate functional distinctions between episodic memory networks. *Science Advances*, 4(8). doi: 10.1126/sciadv.aar2768
- Gao C, **Hermiller MS**, Voss JL, Guo C. (2015). Basic perceptual changes that alter meaning and neural correlates of recognition memory. *Frontiers in Human Neuroscience*, 9(49). doi: 10.3389/fnhum.2015.00049
- Wang JX, Rogers LM, Gross EZ, Ryals AJ, Dokucu ME, Brandstatt KL, **Hermiller MS**, Voss JL. (2014). Targeted enhancement of hippocampal networks and associative memory. *Science*, 345 (6200); 10541057. doi: 10.1126/science.1252900
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- INVITED TALKS**
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- 2025 "Noninvasively engaging the human hippocampus." Jacksonville Mayo Clinic Neurology Grand Rounds. April 2025
- "Noninvasively engaging the human hippocampus." Stimulating Brains: Podcast & Talk Series, March 2025
- 2024 "Noninvasive engagement of the human hippocampus using TMS." Berenson-Allen Center for Noninvasive Brain Stimulation, Harvard University, June 2024
- "Noninvasive engagement of the human hippocampus using TMS." Synergy for Neuromodulation Communities, Florida State University, June 2024
- "Engaging the human hippocampus and memory network using concurrent TMS/fMRI." Neuromodulation and Neuroimaging relevant to Affective Disorders Speaker Series, University of Pennsylvania, April 2024.
- "Non-invasive engagement with the human hippocampus using simultaneous theta-burst TMS and task-based fMRI" Stimulating Translational Opportunities in Rehabilitation and Movement Science (STORMS) Seminar, Emory University, February 2024
- 2021 "Noninvasive engagement of the human hippocampus using TMS." Empire Strikes Back Monthly Seminar Series, Columbia University, December 2021

"Engaging the human hippocampus and memory network using TMS-fMRI." Center for Biomedical Imaging and Neuromodulation, Nathan Kline Institute for Psychiatric Research, November 2021.

"Causally testing the role of theta in hippocampal memory processing in humans." Advanced Cognitive Neuroscience Seminar Series, Notre Dame University, November 2021.

CONFERENCE PRESENTATIONS

* indicates trainees from my lab

Talks

- 2025 **Hermiller MS.** Noninvasively engaging the human hippocampus. *International TMS-fMRI Workshop, Mexico.*
- Hermiller MS.** The putative role of slow and fast theta rhythms in internal and external representations along the hippocampal longitudinal axis. *Science of Consciousness Conference, Barcelona, Spain,*
- Hermiller MS.** Stimulating age-related de-differentiated brain networks. Symposium (Chair, speaker). *Florida Consortium on the Neurobiology of Cognition, Orlando, FL.*
- Hermiller MS.** Assessing the effects of theta-burst patterned TMS on Hippocampal-Cortical Network fMRI connectivity. Symposium (Co-chair; speaker). *International Brain Stimulation Conference, Kobe, Japan.*
- Hermiller MS.** Engagement along the human hippocampal longitudinal axis via concurrent TMS-fMRI using theta-burst patterned stimulation. On Demand Symposium (Chair; speaker). *International Brain Stimulation Conference, Kobe, Japan.*
- 2024 Kolibius LD, **Hermiller MS**, Holman C, Khazali MF, Brandt A, Kahana MJ, Jacobs J. Spatial information in non-place cells. *Nanosymposium, Society for Neuroscience, Chicago, IL.*
- Hermiller MS.** Network-targeted theta-burst stimulation during concurrent fMRI. *NYC Neuromodulation, New York, New York*
- Hermiller MS.** Targeted Enhancement of Hippocampal Networks and Associative Memory. *NYC Neuromodulation, New York, New York,*
- 2023 **Hermiller MS.** Optimized individual network-targeted stimulation location yields more robust effects. *Nanosymposium, Society for Neuroscience, Washington DC*
- Hermiller MS.** Downstream hippocampal memory response during concurrent theta-burst TMS-fMRI. *International Brain Stimulation Conference, Lisbon, Portugal.*
- Hermiller MS**, Mohan U, Jacobs J. Frequency-specific response in the human hippocampal-cortical network to intracranial theta-burst stimulation. Symposium (Co-chair) *International Brain Stimulation Conference, Lisbon, Portugal.*
- Hermiller MS.** Immediate effects of slow versus fast theta-burst stimulation along the hippocampal longitudinal axis. *International TMS-fMRI Workshop, Greece*
- 2022 **Hermiller MS.** Preferential influence of theta rhythmic transcranial magnetic stimulation (TMS) on hippocampal-cortical network memory functions. Noninvasive Brain Stimulation Techniques: Something New Course. *International Congress of Clinical Neurophysiology, Geneva, Switzerland*
- Hermiller MS.** Modulating the hippocampus and episodic memory via theta-burst TMS during concurrent fMRI. *International TMS-fMRI Workshop, Cyprus*

- 2020 **Hermiller MS**, Voss JL. Network oscillation targeted stimulation immediately enhances hippocampal memory processing. *International Conference on Non-Invasive Brain Stimulation (virtual meeting)*.
- Hermiller MS**, Chen YF, Parrish TB, Voss JL. Hippocampal-targeted theta-patterned stimulation immediately enhances hippocampal memory processing: A simultaneous TMS/fMRI experiment. *Context and Episodic Memory Symposium (virtual meeting)*
- 2019 **Hermiller MS**, Chen YF, Parrish TB, Voss JL. Immediate enhancement of hippocampal memory processing via frequency- and location-targeted TMS/fMRI. *Nanosymposium, Society for Neuroscience, Chicago, IL*.

Posters

- 2025 Brown TN*, Owen Z*, **Hermiller MS**. Differential effects of slow versus fast theta-burst patterned rTMS on hippocampal-cortical network activity measured via concurrent TMS-fMRI. *Florida Consortium on the Neurobiology of Cognition, Orlando, FL*.
- Munroe M*, **Hermiller MS**. The effect of event boundaries on false memories. *Florida Consortium on the Neurobiology of Cognition, Orlando, FL*.
- Quattroki E*, **Hermiller MS**. Distinguishing gist versus detail memory processes at the time of encoding. *Florida Consortium on the Neurobiology of Cognition, Orlando, FL*.
- Owen Z*, Brown T*, **Hermiller MS**. The effects of behavioral preference and TMS on episodic memory. *Florida State University Undergraduate Research Symposium*
- Gary S*, Talley L*, Munroe M*, **Hermiller MS**. False memories: investigating the role of TMS in modulating memory encoding and distortion across event boundaries in supernatural and crime narratives using naturalistic stimuli. *Florida State University Undergraduate Research Symposium*.
- Mordujovich E*, Khosla I*, Munroe M*, **Hermiller MS**. Tracking the unseen: implicit factors that shape false memory formation. *Florida State University Undergraduate Research Symposium*.
- Empsall * B, Sarkar T*, Garcia Quile J*, **Hermiller MS**. Fixating and forgetting: how trauma affects memory encoding. *Florida State University Undergraduate Research Symposium*
- 2024 Quattroki E*, Warren KN, **Hermiller MS**. Characterizing the role of scene familiarity in novelty detection and memory. *Society for Neuroscience, Chicago, IL*.
- Brown TN*, **Hermiller MS**. Differential effects of slow versus fast theta-burst patterned rTMS on hippocampal-cortical network activity measured via concurrent TMS-fMRI. *Society for Neuroscience, Chicago, IL*.
- Hermiller MS**, Munroe M*, Lockwood K, Davachi L. Modulating memory strength and hippocampal-cortical network interactions to understand consolidation processes. *Society for Neuroscience, Chicago, IL*.
- McNally M*, Morgan S*, **Hermiller MS**. Testing network distinctions between face processing and memory. *Florida State University Undergraduate Research Symposium*
- 2022 **Hermiller MS**, Mohan U, Jacobs J. Frequency-specific response to intracranial theta-burst stimulation in the human hippocampal-cortical network. *Society for Neuroscience, San Diego, CA*.
- Hermiller MS**, Patel A, Jacobs J, Davachi L. Subtle change in context affects memory performance. *Context and Episodic Memory Symposium, Philadelphia, PN*.

- 2021 **Hermiller MS**, Mohan U, Sperling M, Gorniak R, Sharan A, Worrell G, Berry B, Jobst B, Davis K, Gross R, Lega B, Das S, Stein J, Rizzuto D, Kahana M, Jacobs J. Frequency-effects to intracranial theta-burst in regions of the human hippocampal-cortical network. *Society for Neuroscience (virtual meeting)*
- Hermiller MS**, Mohan U, Sperling M, Gorniak R, Sharan A, Worrell G, Berry B, Jobst B, Davis K, Gross R, Lega B, Das S, Stein J, Rizzuto D, Kahana M, Jacobs J. Frequency-dependent response to intracranial theta-burst of anterior-temporal and posterior-medial divisions of the human hippocampal-cortical network. *International Brain Stimulation Conference, Charleston, SC.*
- 2020 **Hermiller MS**, Young RA, Chen YF, Parrish TB, Voss JL. Hippocampal-targeted theta-patterned stimulation immediately enhances memory processing: A simultaneous TMS/fMRI study. *Cognitive Neuroscience Society, (virtual meeting)*.
- 2019 **Hermiller MS**, Young RA, Chen YF, Parrish TB, Voss JL. Causally testing the role of theta in hippocampal memory processing via simultaneous theta-burst TMS and fMRI. *BRAIN Initiative Investigators Meeting, Bethesda, MD.*
- Hermiller MS**, Young RA, Deng Z-D, Chen YF, Parrish TB, Voss JL. Testing the causal role of theta rhythms in hippocampal memory processing using simultaneous theta-burst TMS and fMRI. *Cognitive Neuroscience Society, San Francisco, CA.*
- Dave S, **Hermiller MS**, Nilakantan AS, Gunlogson M, Durr B, Karp E, VanHaerents S, Voss JL. Testing the frequency specificity of noninvasive brain stimulation effects on hippocampal network involvement in recollection success versus precision. *Cognitive Neuroscience Society, San Francisco, CA.*
- Warren KN, **Hermiller MS**, VanHaerents S, Voss JL. Functionally specific effects of targeted noninvasive stimulation on hippocampal-cortical network connectivity. *Cognitive Neuroscience Society, San Francisco, CA.*
- 2018 **Hermiller MS**, Young RA, Deng Z-D, Chen Y, Parrish TB, Voss JL. Optimizing simultaneous TMS/fMRI methods to target the hippocampal-cortical network with configurable stimulation trains varying in frequency, pattern, and duration. *Society for Neuroscience, San Diego, CA.*
- Warren KN, **Hermiller MS**, VanHaerents S, Voss JL. State-dependent expression of hippocampal-cortical fMRI connectivity changes due to noninvasive stimulation. *Society for Neuroscience, San Diego, CA.*
- Hermiller MS**, Voss JL. Causal role of theta in hippocampal-cortical network synchrony supporting episodic memory tested via noninvasive stimulation. *BRAIN Initiative Investigators Meeting, Bethesda, MD.*
- Hermiller MS**, Warren KN, Gunlogson M, Durr B, McDonald V, VanHaerents S, Voss JL. Increased fMRI connectivity of the anterior-medial hippocampal-cortical network via noninvasive brain stimulation. *Cognitive Neuroscience Society, Boston, MA.*
- Warren KN, **Hermiller MS**, VanHaerents S, Voss JL. Noninvasive stimulation increases fMRI connectivity during autobiographical memory retrieval more so than during rest. *Cognitive Neuroscience Society, Boston, MA.*
- 2017 **Hermiller MS**, Green D, VanHaerents S, Raij T, Bridge DJ, Voss JL. Frequency-specific noninvasive modulation of hippocampal-cortical networks and memory. *Society for Neuroscience, Washington DC.*
- Kim S, **Hermiller MS**, Palumbo R, VanHaerents S, Voss JL. Enhanced stimulus-evoked hippocampal-cortical activity during memory formation following network-targeted noninvasive brain stimulation. *Society for Neuroscience, Washington DC.*

Warren KN, **Hermiller MS**, Palumbo R, Fatima Z, VanHaerents SA, Bridge DJ, Voss JL. Comparison of hippocampal-cortical network modulation by targeted noninvasive stimulation to modulation by memory processing. *Society for Neuroscience, Washington DC*.

Walker JA, **Hermiller MS**, Nilakantan AS, Mesulam MM, Weintraub S, Ward M, VanHaerents SA, Bridge DJ, Voss JL. Targeting hippocampal-cortical memory networks in elderly adults using noninvasive brain stimulation. *Society for Neuroscience, Washington DC*.

Fatima Z, TA Raji TA, Schneider N, **Hermiller MS**, McIntosh AR, Voss JL. Brain stimulation of functional networks for associative learning in aging. *Society for Neuroscience, Washington DC*.

Hermiller MS, Fatima Z, O'Neil JT, Palumbo R, VanHaerents S, Raji T, Bridge D, Voss JL. Frequency dependence of noninvasive brain stimulation effects on hippocampal-cortical networks. *Cognitive Neuroscience Society, San Francisco, CA*.

Warren KN, Kim S, **Hermiller MS**, Nilkantan A, O'Neil JT, Palumbo R, Voss JL. Large-scale network fMRI connectivity increases caused by autobiographical memory retrieval. *Cognitive Neuroscience Society, San Francisco, CA*.

2016 **Hermiller MS**, VanHaerents S, Raji T, Bridge D, Voss JL. Identifying optimal transracial magnetic stimulation sequences for enhancement of hippocampal-cortical networks and memory. *Society for Neuroscience, San Diego, CA*.

Kim S, **Hermiller MS**, Voss JL. Hippocampal-cortical fMRI network distinctions between two types of item-context memory. *Society for Neuroscience, San Diego, CA*.

2015 McGinty HL, Flury SC, Yanez B, **Hermiller MS**, Kelsten MF, Penedo FJ. Coping style, quality of life, and cancer specific distress in men with advanced prostate cancer. *Society of Behavioral Medicine, San Antonio, TX*.

2014 Yanez B, Mohr D, Begale M, **Hermiller MS**, Wortman K, Chatterton R, Flury S, Dahn J, Penedo FJ. Preliminary evidence for the efficacy of a technology-based intervention for patients with advanced prostate cancer. *International Society for Research on Internet Interventions, Valencia, Spain*

Hermiller MS, Yanez B, Wortman K, Venegas K, Chatterton R, Flury S, Murphy A, Dahn J, Penedo FJ. Perceived stress and symptom burden in men undergoing androgen deprivation therapy for advanced prostate cancer. *International Congress of Behavioral Medicine, Groningen, Netherlands*.

Yanez B, **Hermiller MS**, Wortman K, Flury S, Chatterton RT, Mohr D, Dahn J, Murphy A, Penedo FJ. Initial findings from a technology-based intervention for advanced prostate cancer patients. *International Congress of Behavioral Medicine, Groningen, Netherlands*.

Wang JX, Rogers LM, Gross EZ, Ryals AJ, Dokucu ME, Brandstatt KL, **Hermiller MS**, Voss JL. Enhancement of hippocampal networks and associative memory via noninvasive stimulation. *Cognitive Neuroscience Society, Boston, MA*.

2013 **Hermiller MS**, Benedict CB, Penedo FJ. Immune dysregulation is associated with sexual dysfunction and bother among advanced prostate cancer survivors undergoing androgen deprivation treatment. *Buehler Center on Aging, Health, and Society Smart Symposium, Chicago, IL*.

MENTORSHIP

PhD Graduate Students

Ellee Quattrocki (Neuroscience PhD Student; Fall 2025-); Post-baccalaureate Research Assistant in my lab (2024-2025); Undergraduate research assistant in my lab (2023-2024)

Fatemeh Baniasad (Cognition & Cognitive Neuroscience PhD Student; Fall 2025-)

Fellowship Support

Jaime Garcia Quiles, Co-mentor, Integrated Clinical Neuroscience Training Program (T32)

Ethan Solomon, MD/PhD, Letter of Support, K99-R00 application

Stefani Morgan, MS, Co-sponsor, NRSA (F31) application

Graduate Thesis Committees

Stefani Morgan, Neuroscience PhD Committee, Florida State University

Valerie Sainterant, Neuroscience PhD Committee, Florida State University

Eleonora Ghiraldini, Neuroscience PhD Committee, Florida State University

Emily Salvador, Neuroscience PhD Committee, Florida State University

Catherine Brousse, Cognition and Cognitive Neuroscience PhD Committee, Florida State University

Jake Chernicky, Neuroscience PhD Committee, Florida State University

Undergraduate Research Projects and Honors Theses

Alana Portas (2025-2026), Honors in the Major Thesis Supervisor (2025-2026); Undergraduate research assistant in my lab (FSU)

Madeline McNally (2023-), Undergraduate research assistant in my lab (FSU), Undergraduate Research Opportunity Program, Florida State University (2023-2024)

Zaya Owen, Undergraduate Research Opportunity Program, Florida State University (2024-2025), Honors in the Major Thesis Supervisor (2025-2026)

Bronson Empsall, Undergraduate Research Opportunity Program, Florida State University (2024-2045)

Steven Gary, Honors in the Major Thesis Supervisor (2025-2026); Undergraduate Research Opportunity Program, Florida State University (2024-2045)

Lauren Tally, Undergraduate Research Opportunity Program, Florida State University (2024-2045)

Ellie Mordujovich, Undergraduate Research Opportunity Program, Florida State University (2024-2045)

Ishaa Khosla, Undergraduate Research Opportunity Program, Florida State University (2024-2045)

Saumya Kapur, Women in Math, Science, and Engineering (WIMSE) Undergraduate Student, Florida State University (2024-2025), Honors in the Major Thesis Supervisor, Florida State University (2024-2025)

Tvisha Sarkar (2023-), Undergraduate research assistant in my lab (FSU), Undergraduate Research Opportunity Program, Florida State University (2024-2025)

Rachel Kascheres, Honors in the Major Thesis Supervisory Committee, Florida State University (2025)

Current Mentorship (selected)

Marissa Munroe (2023-), Post-baccalaureate Research Assistant in my lab (FSU)

Meghan Culkin (2025-), Undergraduate research assistant in my lab (FSU)

Cooper Garrard (2025-), Undergraduate research assistant in my lab (FSU)

Joana Patalano (2025-), Undergraduate research assistant in my lab (FSU)

Past Mentorship (selected)

Taylor Brown (2023-2025),

Michelle Hanson (2025), Undergraduate research assistant in my lab (FSU)

Evan Angress (2023-2025), Undergraduate research assistant in my lab (FSU)
Jacob Yost (2024-2025), Undergraduate research assistant in my lab (FSU)
Madison Burns (2024-2025), Undergraduate research assistant in my lab (FSU); FSU Data Science Intern
Ayla Walsworth (2024-2025), Undergraduate research assistant in my lab (FSU)
Christian Owens (2025), Undergraduate research assistant in my lab (FSU)
Diego Arroyo (2025), Undergraduate research assistant in my lab (FSU)
Logan Chase (2025), Undergraduate research assistant in my lab (FSU)
Esaq Asif (2023-2025), Undergraduate research assistant in my lab (FSU)
Mateo Roldan (2023-2024), Lab Manager in my lab (FSU); Current position: PhD student, Washington University
Devon Glicken (2024), Undergraduate Research Assistant in my lab (FSU)
Olivia Keene (2023-2024), Undergraduate Research Assistant in my lab (FSU)
Garrett Ludescher (2023-2024), Undergraduate Research Assistant in my lab (FSU)
Ashley Bishop (2023-2024), Undergraduate Research Assistant in my lab (FSU)
Jenima Fertil (2024), Undergraduate Research Assistant in my lab (FSU)
Chao Tang (2023), Master's Student at Columbia University
Sai Satwick Viddi (2022-2023), Master's Student at Columbia University
Caio Rodrigues (2021-2023), Undergraduate Student at Columbia University
Stephanie Wert (2018-2020), Post-baccalaureate Research Assistant at Northwestern University; Current position: PhD Candidate at University of California, Los Angeles
Melissa Gunlogson (2016-2020), Post-baccalaureate Research Assistant at Northwestern University; Current position: Master's in Speech Language Pathology from Indiana University
Brennan Durr (2017-2020), Post-baccalaureate Research Assistant at Northwestern University; Current position: JD Candidate at University at Pennsylvania Law School
Mary Penckofer (2017-2019), Undergraduate Student at Northwestern University; Current position: MD Candidate at Cooper Medical School of Rowan University
Robert Palumbo (2015-2018), Post-baccalaureate Research Assistant at Northwestern University; Current position: Physical Therapy Doctorate at Northwestern University

SERVICE

University and Department Service

FSU Hippocampus Club, Founder and Organizer, 2024-
FSU Psychology Department Elections Committee, 2023-2025
FSU Psychology Department ICN Reviewer, 2023-
FSU Neuroscience Program Graduate Recruitment Committee, 2024-
FSU Psychology Department MRI Physicist Hiring Committee, 2024
FSU Psychology Department Charness Cognitive Award Committee, 2024
FSU Undergraduate Research Opportunity Program (UROP) Mentor, 2023-2024, 2024-2025
FSU Women in Math, Science, and Engineering (WIMSE) Mentor, 2024-2025

Invited Panel Review

National Science Foundation (NSF), Career Awards, Spring 2024

Guest Associate Editor

Frontiers in Human Neuroscience – Brain Imaging and Stimulation (2023-2024)

Ad-hoc ReviewFunding Agencies

National Science Foundation (NSF), Spring 2023

Peer Reviewed Journals

Nature Communications	Brain Research
The Journal of Neuroscience	Brain Topography
NeuroImage	eLIFE
Brain Stimulation	Journal of Affective Disorders
Nature Protocols	Neuromodulation: Technology at the Neural Interface
Proceedings of the National Academy of Sciences	Neuroscience and Biobehavioral Reviews
Scientific Reports	Frontiers in Behavioral Neuroscience
Neuropsychopharmacology	Frontiers in Human Neuroscience
Annals of Medicine	Neuropsychiatric Disease and Treatment

TEACHING

Human Learning and Memory, Florida State University, Fall 2025, Spring 2026

Neuroscience Methods, Guest Lecturer, Florida State University, Fall 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025

Molecules to Behavior; Neuroscience Methods (Graduate Course), Guest Lecturer, Florida State University, Spring 2024, Spring 2025

Biology Frontiers; Guest Lecturer, Florida State University, Spring 2025

Physiological Psychology, Professor, Florida State University, Fall 2023, Fall 2024, Spring 2025

Neuromodulation Series, Guest Lecturer, Northwestern University, Northwestern Medicine Scholars Summer Intensive Program, Summer 2019

Fundamentals of Neuroscience (Graduate Course), Graduate Teaching Assistant, Northwestern University, Winter 2016

Introduction to Neuroscience, Graduate Teaching Assistant, Northwestern University, Spring 2026

Introduction to Psychology, Undergraduate Honors Teaching Assistant, The Ohio State University, Fall 2009, Winter 2010, Spring 2010

PROFESSIONAL MEMBERSHIPS

2014- Society for Neuroscience

2014- Cognitive Neuroscience Society

2006-2010 National Student Speech Language Hearing Association

REFERENCES

Dr. Joel Voss, PhD

Professor of Neurology
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Chicago, IL 60637
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Dr. Todd Parrish, PhD

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Dr. Josh Jacobs, PhD

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530 W. 120th St, 419 CEPSR
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Dr. Thorsten Kahnt, PhD

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Cellular and Neurocomputational Systems Branch
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Dr. Lila Davachi, PhD

Professor of Psychology
Columbia University
321 Schermerhorn Hall
New York, NY 10029
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