Mitchell B. Slapik

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2027	McGovern Medical School, Houston, TX Medical Scientist Training Program	MD	
2025	University of Texas at Houston, Houston, TX Neuroscience, advisor: Valentin Dragoi	PhD	
2017	Johns Hopkins University, Baltimore, MD Post-Baccalaureate Premedical Program		
2014	Swarthmore College, Swarthmore, PA With high honors in philosophy and linguistics	ВА	
2013	University of Oxford, Oxford, UK Study abroad: philosophy of mind		
Work			
2021 – Now	Graduate Research Assistant, Dragoi Lab McGovern Medical School, <i>Houston, TX</i>		
	Use computational methods to study visual cortex in Implement new machine learning algorithm stimuli for neurons in visual cortex Develop novel applications to laminar lay synchrony	generating optimal	
2016 - 2019	Research Assistant, Marvel Lab Johns Hopkins Medical School, Baltimore, MD		
	Studied the cognitive effects of cerebellar ataxia to determine how the cerebellum contributes to cognition		
	 Designed new cognitive tasks to examine gestalt processing, implicit sequence le encoding 		

Publications

- M. Joyce, P. Nadkarni, S. Kronemer, [...], M. Slapik, et. al. (2022). "Quality of life changes following the onset of cerebellar ataxia: Symptoms and concerns self-reported by ataxia patients and informants." Cerebellum.
- O. Morgan., M. Slapik, K. lannuzzelli, et. al. (2020). "The Cerebellum and Sequencing in Motor and Cognitive Domains: Evidence from Cerebellar Ataxia." Cerebellum.

- S. Kronemer, M. Slapik, J. Pietrowski, et. al. (2020). "Neuropsychiatric Symptoms as a Reliable Phenomenology of Cerebellar Ataxia." Cerebellum.
- M. Slapik, S. I. Kronemer, O. Morgan, et. al. (2018). "Visuospatial Organization and Recall in Cerebellar Ataxia." Cerebellum.

Presentations

Talks

- O. Morgan, M. Slapik, K. Iannuzzelli, et al. (2018). "Motor and Cognitive Sequencing in Cerebellar Ataxia." Hot Chair Talk. National Ataxia Foundation's 9th Ataxia Investigators Meeting. Virtual.
- O. Morgan, M. Slapik, S. Kronemer, et al. (2018). "Motor-cognitive Multitasking in Cerebellar Ataxia." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic, Baltimore, MD.
- M. Slapik, O. Morgan, J. Creighton, et. al. (2018). "Timing and Sequencing in Cerebellar Ataxia." Nanosymposium talk accepted for presentation at: Society for Neuroscience San Diego, CA.
- O. Morgan, J. Creighton, M. Slapik, et. al. (2018). "Neural correlates of value-driven attentional capture in addiction." Nanosymposium talk accepted for presentation at: Society for Neuroscience, San Diego, CA.
- M. Slapik, O. Morgan, C. Marvel. (2018). "Language Abilities in Cerebellar Ataxia." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic, Baltimore, MD.
- M. Slapik, S. Kronemer, O. Morgan, et. al. (2017). "Visuospatial Organization and Recall in Cerebellar Ataxia." Talk presented at: Sensorimotor Day, Johns Hopkins University, Baltimore, MD.

Posters

- M. Slapik, A. Andrei, S. Khan, et al. (2022). "Deep Networks Design Optimal Stimuli for Early Visual Cortex." Society for Neuroscience. San Diego, CA.
- M. Slapik, S. Patwardhan, R. Costa, et al. (2020). "Using Machine Learning To Classify Feeding Behavior in Aplysia." American Physician Scientists Association. Houston, TX.
- O. Morgan, M. Slapik, S. Kronemer, et al. (2019). "Motor-Cognitive Multitasking in Machado-Joseph's Disease." The International MJD Research Conference, Washington, DC.
- E. Hill, **M. Slapik**, O Morgan, et al. (2018). "Abstract Thinking in Cerebellar Ataxia." Poster at: lowa Neuroscience Institute Workshop, Cerebellum in Bipolar Disorder and Other Neuropsychiatric Diseases, lowa City, IA.
- C. Marvel, J. Creighton, O. Morgan, M. Slapik, et al. (2018). "Cerebro-Cerebellar Contributions to Working Memory in Early Lyme Disease." International Society of Behavioral Neuroscience, Anchorage, AK.
- O. Morgan, M. Slapik, S. Kronemer, et al. (2018). "Motor-cognitive Multitasking in Cerebellar Ataxia." The National Ataxia Foundation's 8th Ataxia Investigator's Meeting, Philadelphia, PA.

- M. Slapik, J. Pietrowski, O. P. Morgan, et al. (2018). "A Characterization of Language Impairment in Cerebellar Ataxia." The National Ataxia Foundation's 8th Ataxia Investigator's Meeting. Philadelphia, PA.
- C. Marvel, J. Creighton, O. Morgan, M. Slapik, et al. (2018). "Cerebro-Cerebellar Contributions to Working Memory in Early Lyme Disease." Society for Neuroscience, San Diego, CA.
- M. Slapik, S. Kronemer, J. Mandel, et al. (2017). "Visuospatial Processing and Strategy Formation in Cerebellar Ataxia." Society for Neuroscience, Washington, D.C.

Volunteering

2021 – Now Volunteer Counselor

Crisis Text Line, Houston, TX

- Support callers on the crisis line going through thoughts of suicide, self-harm, and other emotional crises
- Undergo extensive training on therapy techniques like active listening and lack of judgement

2021 – Now Shadowing, Department of Psychiatry

UTHealth, Houston, TX

 Shadow psychiatrists and residents treating a variety of psychiatric disorders in an inpatient psychiatry ward

2017 – 2019 Team Leader, Health Resource Coordinator

Charm City Clinic, Baltimore, MD

- Asist clients with wide range of social issues, including medical treatment, insurance, employment, and housing
- Led a small team of other volunteers and advised them on how to best assist their clients

2016 – 2019 Shadowing, Parkinson's Neuropsychiatric Clinic

Johns Hopkins Medicine, Baltimore, MD

 Shadowed a psychiatrist specializing in Parkinson's patients, addressing medication management, quality of life and psychiatric symptoms

2015 – 2016 Emergency Room Volunteer

Penn Presbyterian Medical Center, Philadelphia, PA

 Took incoming calls, paged nurses, restocked supplies, and observed procedures

2015 – 2016 Front-Desk Volunteer

Washington West Project, Philadelphia, PA

Enrolled patients for STD and HIV screening and counseling

Awards

2018	Awarded travel stipend at The National Ataxia Foundation's 8th Ataxia Investigator's Meeting
2014	Awarded high honors in philosophy and linguistics in the Swarthmore College Honors Program
2010	National merit semifinalist

Skills

Electrophysiology: Acute and chronic recording

MRI: Structural scans

Eye-Tracking: Eyelink

Data analysis: Matlab, Python, SPSS

Machine Learning: Matlab, Python

Task Development: E-Prime, PsychToolbox

Hobbies

2003 – Now **Jazz Saxophone**

Bayou City FunkThe Chirp Chirps

2019 - Now Machine Learning Journal Club

• Leadership Committee

2000 - Now Classical and Jazz Piano