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| *Last updated January 27, 2023* **Mitchell B. Slapik**  MD/PhD Candidate  McGovern Medical School  [mslapik@gmail.com](http://mslapik@gmail.com) | | | | |
| **Education** | | | | |
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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 | BA |
| 2013 | | University of Oxford, *Oxford, UK*  Study Abroad: Philosophy of Mind |  |
| **Awards** | | | | |
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|  | 2023 | **National Research Service Award (F30)**  National Institutes of Health: National Eye Institute | |
|  | 2023 | **Best Work-In-Progress Talk**  Department of Neurobiology and Anatomy, McGovern Medical School | |
|  | 2022 | **Clinical and Translational Science Predoctoral Fellowship (TL1)**  Center for Clinical & Translational Sciences, McGovern Medical School | |
|  | 2022 | **Osborne Endowed Scholarship in the Neurosciences**  Department of Neurobiology and Anatomy, McGovern Medical School | |
|  | 2022 | **Travel Awards** for Society for Neuroscience in San Diego, CA  McGovern Medical School | |
|  | 2018 | **Travel Award** for 8th Annual Ataxia Investigator’s Meeting  The National Ataxia Foundation | |
|  | 2014 | **High Honors** in Philosophy and Linguistics  Swarthmore College Honors Program | |
|  | 2009 | **National Merit Semifinalist**  National Merit Scholarship Program | |
| **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. Iannuzzelli, 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** | | | | |
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|  | Talks | | | | |
|  | M. Slapik, Shouval, H. (2023). “Unshattering Dimensionality.” Post-candidacy Talk at Fall Neuroscience Retreat for UTHealth. Cleveland, TX. | | | | |
|  | M. Slapik, Andrei, S. Khan, et al. (2022). “Optimal Stimuli as a New Method to Investigate Neural Networks.” Pre-candidacy Talk at Fall Neuroscience Retreat for UTHealth. Cleveland, TX. | | | | |
|  | 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 | | | | |
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|  | S. Egranov, R. Milton, M. Slapik, et al. (2023). “Influence of Intracortical Microstimulation on Synaptic Efficacy between Visual and Executive Cortical Areas in Macaques.” Washington, D.C. | | | | |
|  | S. Khan, A. Andrei, M. Slapik, et al. (2023). “Optogenetic Control of Inhibitory Neurons in Macaque Visual Cortex. Washington, D.C. | | | | |
|  | M. Slapik, A. Andrei, S. Khan, et al. (2023). “A Deep Learning Approach to Naturalistic Surround Modulation.” Society for Neuroscience. Washington, D.C. | | | | |
|  | S. Khan, A. Andrei, M. Slapik, et. al (2023). “Inhibitory Control of Up and Down Cortical States during Sleep.” Spring Neuroscience Retreat for UTHealth, Houston, TX. | | | | |
|  | 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: Iowa Neuroscience Institute Workshop, Cerebellum in Bipolar Disorder and Other Neuropsychiatric Diseases, Iowa 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. Kronemser, J. Mandel, et al. (2017). “Visuospatial Processing and Strategy Formation in Cerebellar Ataxia.” Society for Neuroscience, Washington, D.C. | | | | |
| **Work** | | | | |
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| 2021 – Now | | **Graduate Research Assistant,** [**Dragoi Lab**](https://sites.google.com/uth.edu/dragoilab/home)  McGovern Medical School, *Houston, TX*  Investigate how the brain processes visual information   * Use an image generator and optimizer to develop optimal stimuli for neurons in visual cortex * Analyze communication between brain areas and how it transforms based on brain state | |
| 2016 - 2019 | | **Research Assistant,** [**Marvel Lab**](http://cheriemarvel.com/)  Johns Hopkins Medical School, *Baltimore, MD*  Examined the cognitive and emotional symptoms of cerebellar ataxia   * Designed cognitive tasks assessing visuospatial skills, gestalt processing, implicit sequence learning and verbal encoding * Administered cognitive tasks, emotional questionnaires and motor tests to ataxia patients and controls | |
| **Volunteering** | | | | | |
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|  | 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 | |
| **Certificates** | | | | |
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|  | 2023 | **Machine Learning Specialization**  Stanford University (Coursera) | |
|  | 2023 | **Deep Learning Specialization**  deeplearning.ai (Coursera) | |
|  | 2023 | **AI for Medicine Specialization**  deeplearning.ai (Coursera) | |
| **Organizations** | | | | |
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|  | 2017 - Now | **Society for Neuroscience** | |
|  | 2017 - 2019 | **National Ataxia Foundation** | |
| **Skills** | | | | |
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|  | **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 | | |
| **Languages** | | | | |
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|  | **English:** Fluent | | |
|  | **Spanish:** Basic | | |
| **Hobbies** | | | | | |
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|  | **Jazz Saxophone**  Bayou City Funk, The Chirp Chirps | | |
|  | **Machine Learning Journal Club**  Leadership Committee | | |
|  | **Classical and Jazz Piano** | | |