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# Owen Morgan

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## Education

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2020 – Now	<b>PhD Student</b> Cornell University, <i>Ithaca, New York</i> Advisor: Daniel Casasanto. Major in Psychology, minor in Cognitive Science.
2013 – 2017	<b>BA in Liberal Arts</b> St. John's College, <i>Annapolis, Maryland</i> All-required curriculum based on closely reading original sources; equivalent to a double major in Philosophy, and the History of Mathematics and Science.

## Professional Experience

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2017 – 2020	<b>Research Assistant, Cognitive Neuropsychiatric Research Laboratory</b> Johns Hopkins University School of Medicine, <i>Baltimore, MD</i> Studied the cerebellum's role in cognition and conducted several fMRI projects under the mentorship of Cherie Marvel.
Summers 2016 2015	<b>Research Assistant, Blumenfeld Lab</b> Yale Medical School, <i>New Haven, CT</i> Studied conscious visual perception under the mentorship of Hal Blumenfeld.

## Publications

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### Preprints

Kronemer, Sharif I., Aksen, Mark, Ding, Julia, [...], Morgan, Owen P., et al. 2021. "[Brain networks in human conscious visual perception](#)." In: *bioRxiv*.

### Peer-reviewed Papers

Iannuzzelli, Katherine I., Shi, Rosa, Carter, Reece, [...], Morgan, Owen P., et al. 2022. "[The association between educational attainment and SCA 3 age of onset and disease course](#)." In: *Parkinsonism & Related Disorders*.

Joyce, Michelle R., Nadkarni, Prianca A., Kronemer, Sharif I., [...], Morgan, Owen P., et al. 2022. "[Quality of life changes following the onset of cerebellar ataxia: Symptoms and concerns self-reported by ataxia patients and informants](#)." In: *The Cerebellum*.

Monick, Andrew J., Joyce, Michelle R., Chugh, Natasha, [...], Morgan, Owen P., et al. 2022. "[Characterization of basal ganglia volume changes in the context of HIV and polysubstance use](#)." In: *Scientific Reports*, p. 4357.

Kronemer, Sharif I., Slapik, Mitchell B., Pietrowski, Jessica R., [...], Morgan, Owen P., et al. 2021. "[Neuropsychiatric symptoms as a reliable phenomenology of cerebellar ataxia](#)." In: *The Cerebellum*, pp. 141–150.

Morgan, Owen P., Slapik, Mitchell B., Iannuzzelli, Katherine G., et al. 2021. "[The cerebellum and implicit sequencing: Evidence from cerebellar ataxia](#)." In: *The Cerebellum*, pp. 222–245.

Marvel, Cherie L., **Morgan, Owen P.**, and Kronemer, Sharif I. 2019. "How the motor system integrates with working memory." In: *Neuroscience & Biobehavioral Reviews*, pp. 184–194.

Slapik, Mitchell B., Kronemer, Sharif I., **Morgan, Owen P.**, et al. 2019. "Visuospatial organization and recall in cerebellar ataxia." In: *The Cerebellum*, pp. 33–46.

## Presentations

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### Talks

**Morgan, Owen P.** and Casanto, Daniel. **May 2022**. "Handedness and creativity: Facts and fictions." Talk. The Art and Science of Thinking: A Transdisciplinary Workshop. Cornell University, Ithaca, USA.

**Morgan, Owen P.**, Slapik, Mitchell B., Iannuzzelli, Katherine G., et al. **May 2021**. "Motor and cognitive sequencing in cerebellar ataxia." Hot Chair Talk. National Ataxia Foundation's 9th Ataxia Investigators Meeting. Virtual.

**Morgan, Owen P.**, Slapik, Mitchell B., Iannuzzelli, Katherine G., et al. **Jan. 2020**. "The cerebellum and sequencing in motor and cognitive domains: Evidence from cerebellar ataxia." Talk presented at Sensorimotor Day. Johns Hopkins University, Baltimore, USA.

**Morgan, Owen P.**, Lisinski, Jonathan M., LaConte, Stephen M., et al. **Feb. 2019**. "Cerebellar-basal ganglia interaction in Real-time fMRI neurofeedback for rehabilitation." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic. Baltimore, USA.

**Morgan, Owen P.**, Lisinski, Jonathan M., LaConte, Stephen M., et al. **June 2019**. "Basal ganglia-cerebellar impact on performance after motor imagery with real-time fMRI neurofeedback." Oral Session. Organization for Human Brain Mapping Annual Meeting. Rome, Italy.

**Morgan, Owen P.**, Slapik, Mitchell B., Kronemer, Sharif I., et al. **Apr. 2018**. "Motor-cognitive multitasking in cerebellar ataxia." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic. Baltimore, USA.

**Morgan, Owen P.**, Creighton, Jason A., Slapik, Mitchell B., et al. **Nov. 2018**. "Neural correlates of value-driven attentional capture in addiction." Nanosymposium Session. Society for Neuroscience. San Diego, USA.

### Talks (contributed)

Marvel, Cherie L., Creighton, Jason A., **Morgan, Owen P.**, et al. 2018. "Cerebro-cerebellar contributions to working memory in early Lyme disease." Oral Session. International Society of Behavioral Neuroscience. Anchorage, USA.

Slapik, Mitchell B., **Morgan, Owen P.**, and Marvel, Cherie L. 2018. "Language abilities in cerebellar ataxia." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic. Baltimore, USA.

Slapik, Mitchell B., **Morgan, Owen P.**, Creighton, Jason A., et al. **Nov. 2018**. "Timing and sequencing in cerebellar ataxia." Nanosymposium Session. Society for Neuroscience. San Diego, USA.

Slapik, Mitchell B., Kronemer, Sharif I., **Morgan, Owen P.**, et al. **Jan. 2017**. "Visuospatial organization and recall in cerebellar ataxia." Talk presented at Sensorimotor Day. Johns Hopkins University, Baltimore, USA.

Kronemer, Sharif I., Xiao, Wendy R., Gober, Leah, [...], **Morgan, Owen P.**, et al. **June 2016**. "The cortical event-related potential and alpha wave signatures for visual consciousness." Talk. ASSC 20. Buenos Aires, Argentina.

Xiao, Wendy R., Kronemer, Sharif I., Gober, Leah, [...], **Morgan, Owen P.**, et al. **June 2016**. "An organized wave of intracranial broadband gamma activity during the first second of conscious visual perception." Talk. ASSC 20. Buenos Aires, Argentina.

## Posters

**Morgan, Owen P.**, Slapik, Mitchell B., Kronemer, Sharif I., et al. **Nov. 2019**. "Motor-cognitive multitasking in Machado-Joseph's disease." Poster Session. International MJD Research Conference. Washington, DC, USA.

**Morgan, Owen P.**, Slapik, Mitchell B., Kronemer, Sharif I., et al. **Apr. 2018**. "Motor-cognitive multitasking in cerebellar ataxia." Poster Session. National Ataxia Foundation's 7th Ataxia Investigators Meeting. Philadelphia, USA.

## Posters (contributed)

LaConte, Stephen, Lisinski, Jonathan, **Morgan, Owen P.**, et al. **June 2019**. "Harnessing the imagined: Developing motor imagery for real-time fMRI-based therapy." Poster Session. Organization for Human Brain Mapping Annual Meeting. Rome, Italy.

Slapik, Mitchell B., Pietrowski, Jessica, **Morgan, Owen P.**, et al. **Apr. 2018**. "A Characterization of language impairment in cerebellar ataxia." Poster Session. National Ataxia Foundation's 8th Ataxia Investigators Meeting. Philadelphia, USA.

Marvel, Cherie L., Creighton, Jason A., **Morgan, Owen P.**, et al. **May 2018**. "An fMRI study of cognition in early post-treatment Lyme disease." Poster Session. Society for Neuroscience. San Diego, USA.

Ding, Jackson, Prince, Jacob S., Forman, Sarit **Morgan, Owen P.**, et al. **Nov. 2017**. "Machine learning to predict conscious visual perception using pupillary dynamics." Poster Session. Society for Neuroscience. Washington, DC, USA.

Kronemer, Sharif I., Xiao, Wendy R., Gober, Leah, [...], **Morgan, Owen P.**, et al. **Nov. 2016**. "Intracranial cortical event-related potentials and alpha wave gating of visual consciousness." Poster Session. Society for Neuroscience. San Diego, USA.

Wafa, Adil S., Kiely, Bridget, Xiao, Wendy R., [...], **Morgan, Owen P.**, et al. **Nov. 2016**. "Machine learning to predict pupillary dynamics in conscious visual perception." Poster Session. Society for Neuroscience. San Diego, USA.

Xiao, Wendy R., Kronemer, Sharif I., Gober, Leah, [...], **Morgan, Owen P.**, et al. **Nov. 2016**. "Broadband gamma activity in the formation of a conscious visual experience in humans." Poster Session. Society for Neuroscience. San Diego, USA.

## Honors and Awards

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2020	<b>Travel Award for 9th Ataxia Investigators Meeting (Conference moved online)</b> Awarded to abstracts selected for "hot chair" presentation. Monetary award cancelled because the meeting was moved online.
2017	<b>Pathways Fellowship</b> Awarded to qualified students from St. John's College for special or prerequisite courses for graduate study or careers. Funded Neurobiology course at Harvard Extension Summer School.
2016 2015	<b>Hodson Grant</b> Awarded to qualified students from St. John's College for research and internships. Funded summer research on conscious visual perception at Yale University.

## Teaching and Mentorship

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Spring 2022	<b>TA, Gender and Psychopathology (HD 3320)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Lauren Korfine.
Fall 2021	<b>TA, Research Methods (HD 2380)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Lauren Korfine. Gave guest lecture on scientific writing.
Spring 2021	<b>TA, Adolescence (HD 1170)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Robert Sternberg.
Fall 2020	<b>TA, Human Brain and Mind: Introduction to Cognitive Neuroscience (HD 2200)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Daniel Casasanto.
2018 – 2020	<b>Research Assistant Mentorship</b> Johns Hopkins University School of Medicine, <i>Baltimore, Maryland</i> Supervised and mentored Bronte Wen, Deeya Bhattacharya, Nikita Gupta on fMRI analysis projects.
2014 – 2017	<b>Lab Assistant</b> St. John's College, <i>Annapolis, MD</i> Worked with professor to lead class discussions; set up, demonstrated, and explained historical experiments from biology, physics, and chemistry.

## Technical Skills

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**fMRI:** Collection (3T, 7T), preprocessing, whole brain and ROI analyses (SPM)

**Eye-tracking:** Collection, preprocessing, analysis

**Scripting:** R, Python, MATLAB

**Task development:** Python/PsychoPy, ePrime

**Data visualization:** R/ggplot, Inkscape/Illustrator

**Markup:**  $\text{\LaTeX}$ , RMarkdown

**OS:** Linux, Windows, MacOS

## Spoken Languages

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**English:** Native

**Spanish:** Full professional proficiency (ILR scale)