

Simon M. Kaplan

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Education

Doctor of Philosophy: Cognitive Neuroscience (in process)
George Washington University, Washington, expected 2023

Masters of Arts: Psychology

George Washington University, Washington, 2021

Bachelor of Arts: Psychology (Quarterly Dean's list recipient x4)

University of Washington, Seattle, 2013

Research Interests

Understanding the underlying neural mechanisms of cognitive processes, specifically visual working memory, and psychiatric disorders using psychophysical and behavioral paradigms paired with physiological intervention

Research Experience

Laboratory of Cognitive Neuroscience: Dwight Kravitz, Ph.D.

Graduate Research Assistant

2017– present

Human Color Vision Lab: Steven L. Buck, Ph.D.

Research Assistant

2015 – 2016

Undergraduate Assistant

2012 – 2013

Work Experience

Seattle Neuropsychiatric Treatment Center, Lead TMS Technician

May 2016 – July 2017

- Supervised a team of 12 staff members in regards to daily activities; involved in hiring and designated trainer for new employees, managed equipment maintenance and all necessary communication with manufacturer
- Coordinated several research trials with the IRB investigating the use of TMS for OCD, and PTSD by communicating with clinical practices, research companies and holding pre-screenings for potential subjects

Seattle Neuropsychiatric Treatment Center, TMS Technician

January 2015 – July 2017

- Administered daily TMS treatments; directly cared for patients by monitoring affect/mood and communicated with providers for insight on treatment changes and adjustments to protocol
- Effectively communicated with patients, providers, and other parties to ensure efficient and organized coordination of care regarding patient referrals, scheduling, insurance authorizations and medical records

Publications

Articles:

Kaplan, S., Kravitz, D.J. (2023). An alpha rhythm in the interaction between visual working memory and perceptual processing. *In prep.*

Kaplan, S., Teng, C., Shomstein, S., Kravitz, D.J. (2023). Assessing the Interaction Between Working Memory and Perception through time. *Submitted.*

Nau, M., **Kaplan, S.**, Kravitz, D.J., Baker, C. (2023). A domain-general framework for cognitive neuroscience: Bridging physiology and behavior through task. Invited: *Nature Neuroscience*.

Abstracts:

Kaplan, S. M., Teng, C., & Kravitz, D. J. (2019). Visual Word Recognition as a Means of Addressing Top-Down Feedback. *Journal of Vision*, 19(10).

DeLawyer, T., Frederick, A., **Kaplan, S.**, Lin, T., Shonka, S., Buck, S. (2013). Dependence of the color brown on the spatial configuration of high luminance surrounds. *Journal of Vision*, 15(54).

Presentations and Posters

Presenting Author: Talk

Kaplan, S., Kravitz, D. (2022) Direct interactions between Visual Working Memory and Perception." Presented to the Psychonomic Society Annual Meeting.

Presenting Author: Poster

Kaplan, S., Teng, C., Paranjape, S., Kravitz, D. (2022) Direct interactions between Visual Working Memory and Perception." Poster at the Visual Sciences Society Annual Meeting.

Presenting Author: Talk

Kaplan, S., Kravitz, D., Teng, C. (2020) "Online Data Collection: Setting up Amazon Mechanical Turk". Presented to the Carnegie Mellon University Cognitive Neuroscience department.

Presenting Author: Poster

Kaplan S., Teng, C., Kravitz, D. (2019) "Visual Word Recognition as a means of investigating top-down influence". Poster at the Visual Sciences Society Annual Meeting.

Presenting Author: Poster

Teng C., **Kaplan, S.**, Kravitz, D. (2019) "The temporal dynamics of working memory: Persistent interactions with perception". Poster presentation at the Society for Neuroscience.

Presenting Author: Poster

Kaplan, S., Teng, C., Kravitz, D. (2018) "Visual Word Recognition as a means of investigating top-down influence". Poster at the Psychonomic Society Annual Meeting.

Author: Poster

DeLawyer, T., Frederick, A., **Kaplan, S.**, Lin, T., Shonka, S., Buck, S. (2013) "Dependence of the color brown on the spatial configuration of high luminance surrounds. ". Poster at the Visual Sciences Society Annual Meeting.

Teaching Experience

Teaching Assistant:

Sensation and Perception: Steven Dopkins, Ph.D; John Philbeck, Ph.D. 2017, 2018, 2019, 2021

Cognitive Neuroscience Lab: Dwight Kravitz, Ph.D 2019, 2020, 2021

Biopsychology: Nicola Wolfe, Ph.D.; Dwight Kravitz, Ph.D. 2018, 2020, 2022

Professional Development

Affiliations: Society for Neuroscience, Vision Sciences Society, Psychonomic Society, Psi Chi Member

Instructional: fMRI Safety Training, 'DATS6202: Machine Learning I' audit

Programming: Javascript, HTML, CSS, Python, Matlab, R, SPSS, E-Prime, PsychoPy, Qualtrics, Excel, Adobe Photoshop/Illustrator, Amazon Mechanical Turk, Brainsight, Signal CED

Other Experience

Organization Positions: Vade Mecum Committee Member, Graduate Recruiting Weekend Organizer, Undergraduate Peer Mentor, Circle of Friends Mental Health Volunteer