

Education

PhD in Psychology 2017 – 2021
Cognitive Neuroscience concentration
Advisor: George R. Mangun
Dissertation: The Neural Mechanisms of Visual Attention
University of California, Davis

Bachelor of Arts with majors in Cognitive Science 2009 – 2013
and Molecular and Cellular Biology (Neurobiology concentration)
University of California, Berkeley

Professional Positions

Postdoctoral Researcher 2021 – Present
Advisor: Michael Silver
Helen Wills Neuroscience Institute
Berkeley Center for the Science of Psychedelics
University of California, Berkeley

Publications

Noah S, Powell T, Khodayari N, Olivan D, Ding M, Mangun GR. 2020. Neural Mechanisms of Attentional Control for Objects: Decoding EEG Alpha when Anticipating Faces, Scenes, and Tools. *Journal of Neuroscience* 40(25) 4913-4924. DOI: 10.1523/JNEUROSCI.2685-19.2020

Povazan M... **Noah S**... Edden RAE. 2020. Comparison of multi-vendor, single-voxel MR spectroscopy data acquired in healthy brain at 26 sites. *Radiology* 00:1–10. DOI: 10.1148/radiol.2020191037

Noah S, Mangun GR. 2020. Recent Evidence that Attention is Necessary, but Not Sufficient, for Conscious Perception. *Ann. N. Y. Acad. Sci.* 1464(1):52-63. DOI: 10.1111/nyas.14030

Mikkelsen M... **Noah S**... Edden RAE. 2019. Big GABA II: Water-Referenced Edited MR Spectroscopy at 25 Research Sites. *Neuroimage* May 1;191:537-548. DOI: 10.1016/j.neuroimage.2019.02.059

Noah S, Gibson-Horn C, Vincenzo J. 2019. Four-months wearing a balance orthosis improves measures of balance and mobility among a cohort of community-living older adults. *J Geriatr Phys Ther* 42(4):216-223. DOI: 10.1519/JPT.0000000000000174.

Mikkelsen M... **Noah S**... Edden RAE. 2017. Big GABA: Edited MR Spectroscopy at 24 Research Sites. *Neuroimage* 159:32-45. DOI: 10.1016/j.neuroimage.2017.07.021

Greenhouse I, King M, **Noah S**, Maddock RJ, Ivry RB. 2017. Individual differences in resting cortico-spinal excitability are correlated with reaction time and GABA content in motor cortex. *J Neurosci* 37(10):2686-2696. DOI: 10.1523/JNEUROSCI.3129-16.2017

Greenhouse I, **Noah S**, Maddock RJ, Ivry RB. 2016. Individual differences in GABA content are reliable but are not uniform across the human cortex. *Neuroimage* 139:1-7. DOI: 10.1016/j.neuroimage.2016.06.007

Talks

Neural Mechanisms of Attentional Control for Objects: Decoding EEG Alpha when Anticipating Faces, Scenes, and Tools
Neuromatch Online Conference, October 2020

Neural Mechanisms of Object Based Attention
UC Davis Center for Vision Science Annual Symposium, January 2020

Conference Posters

Noah S, Powell T, Khodayari N, Olivan D, Ding M, Mangun GR. Neural Mechanisms of Attention to Objects. Cognitive Neuroscience Society virtual conference, May 2020

Noah S, Powell T, Khodayari N, Olivan D, Ding M, Mangun GR. Anticipatory object-based attention modulates EEG alpha activity. Vision Science Society annual conference, May 2019

Noah S, Powell T, Khodayari N, Olivan D, Ding M, Mangun GR. Object-based attention modulates EEG alpha activity. Cognitive Neuroscience Society annual conference, March 2019

Povazan M et al. The use of multi-vendor, multi-site 1H-MRS data acquired at 26 sites as a benchmark for MRS standardization: Comparison of quantification software. International Society for Magnetic Resonance in Medicine annual meeting, April 2019.

Noah S, Powell T, Khodayari N, Olivan D, Mangun GR. Object attention modulates alpha band activity. Annual Mind and Brain Poster Day, Center for Mind and Brain, UC Davis, May 2018

Mikkelsen M et al. Integrative analysis of GABA-edited MRS data acquired at 19 research sites. International Society for Magnetic Resonance in Medicine annual meeting, April 2017.

Lenartowicz A, Simpson G, O'Connell S, **Noah S**, Head A, Bilder R, McCracken J, Bookheimer S, Reid R, Cohen M. New EEG measures reveal infra-slow fluctuations in both attending and ignoring in adults with ADHD that provide high accuracy in discriminating ADHD from control. Society for Neuroscience annual conference, October 2015.

Greenhouse I, **Noah S**, Maddock R, Ivry R. Individual Differences in Cortical GABA Concentrations and Motor Excitability. Organization for Human Brain Mapping, June 2015.

Noah S, Bayliss J, Vedamurthy I, Nahum M, Levi D, Bavelier D. Comparing dichoptic action video game play to patching in adults with amblyopia. Vision Science Society annual conference, May 2014.

Awards

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| National Eye Institute Traineeship UC Davis Vision Science Training Program (T32) | 2019 – 2021 |
| UC Davis Graduate Student Travel Award | 2020 |
| Honorable Mention – National Science Foundation Graduate Research Fellowships Program | 2019 |
| Travel, lodging support scholarship for NIH-funded fMRI training course at University of Michigan | 2019 |
| Travel support scholarship to the NSF-funded Big Data Neurosciences Workshop 2017 in Bloomington, IN | 2017 |

Research Experience

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| Graduate Student Researcher Mangun Lab, UC Davis | 2017 – 2021 |
| Staff Research Associate II Think Now, Inc. | 2016 – 2020 |
| Staff Research Associate I Think Now, Inc. | 2014 – 2016 |
| Research Assistant Banks Lab, UC Berkeley | 2014 |
| Research Assistant Ivry Cognition and Action Laboratory, UC Berkeley | 2013 – 2015 |
| Research Assistant Levi Lab, UC Berkeley | 2012 – 2014 |

Affiliations

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| Graduate Student Affiliate UC Davis Data Science Initiative | 2017 – 2021 |
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Scientific Service

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| Ad Hoc Reviewer Journal of Cognitive Neuroscience |
| Ad Hoc Reviewer Vision Research |

Additional Education

Neuromatch Academy Interactive Track

2020

Other Professional Experience

Senior Editor (Volunteer Position)
Knowing Neurons

2020 – Present

Corporate Communications Consultant
Red House Communications, LLC.

2015 – Present

Contributing Editor (Volunteer Position)
Knowing Neurons

2017 – 2020

Data Science Intern
Sacramento County Department of Human Assistance

2017 – 2018

Researcher
Mind Field Season 3

2018

Blog Writer
Twist Bioscience, Inc.

2015 – 2018

Research Assistant
Motion Therapeutics, Inc

2013 – 2017