Per Benjamin Sederberg, Ph.D.
Curriculum Vitae

Contact Information

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Personal

Born: August 15, 1974, Columbia, SC
Citizenship: USA

Professional

- **2022**–, Professor, Dept. of Psychology, University of Virginia.
- 2019–, Director, Cognitive Science Program, University of Virginia.
- 2017–2022, Associate Professor, Dept. of Psychology, University of Virginia.
- 2018–2019, Co-Director, Cognitive Science Program, University of Virginia.
- 2018–, LIFE Academy Fellow.
- 2016–2017, Chief Scientist, Ross Center for Brain Health and Performance, The Ohio State University Medical Center.
- 2016–2017, Associate Professor, Dept. of Psychology, The Ohio State University.
- 2010–2016, Assistant Professor, Dept. of Psychology, The Ohio State University.
- 2012–2017, Associate Director, Center for Cognitive and Brain Sciences, The Ohio State University.
- 2013–2017, Courtesy Appointment, Dept. of Linguistics, The Ohio State University
- 2006–2010, Postdoctoral Fellow, Princeton University (Advisor: Kenneth A. Norman, Ph.D.).
- 2004–2006, Ph.D. in Neuroscience, University of Pennsylvania (Advisor: Michael J. Kahana, Ph.D.).
- 2001–2004, Ph.D. Candidate in Neuroscience, Brandeis University (Advisor: Michael J. Kahana, Ph.D.).
- 1998–2001, Software Developer, Redpoint Systems, Inc., Little Rock, AR.

- 1996–1997, Research Assistant in Neuroscience, University of Virginia (Advisor: William B Levy, Ph.D.).

Education

- 2006 Ph.D., University of Pennsylvania (Neuroscience)
- 1996 B.A., University of Virginia (Major: Cognitive Science; Minor: Italian).

Honors and Awards

- Journal of Mathematical Psychology R. Ducan Luce Outstanding Paper Award for the years 2011–2013 for the paper "Approximate Bayesian Computation with Differential Evolution" with Brandon M. Turner.
- Winner of the Best Paper in the Health Track of the Systems and Information Engineering Design Symposium (SIEDS, 2021) for the paper "Extensions and Application of the Robust Shared Response Model to Electroencephalography Data for Enhancing Brain-Computer Interface Systems".
- Winner of the Best Paper in the Systems Design Track of the Systems and Information Engineering Design Symposium (SIEDS, 2021) for the paper "Improving Brain Computer Interfaces Using Deep Scale-Invariant Temporal History Applied to Scalp Electroencephalogram Data".

Professional Activities

- Co-organized the Context and Episodic Memory Symposium (CEMS, 2018, Philadelphia, PA)
- Co-organized the Second Annual Global Brain Health and Performance Summit (2017, Columbus, OH)
- Co-organized the Context and Episodic Memory Symposium (CEMS, 2017, Philadelphia, PA)
- Organized the second annual OSU Cognitive and Brain Sciences Undergraduate Summer Institute (CUSI, 2016, Columbus, OH)
- Co-organized the Global Brain Health and Performance Summit (2016, Columbus, OH)
- Co-organized the Context and Episodic Memory Symposium (CEMS, 2016, Philadelphia, PA)
- Organized the first annual OSU Cognitive and Brain Sciences Undergraduate Summer Institute (CUSI, 2015, Columbus, OH)
- Co-organized the Context and Episodic Memory Symposium (CEMS, 2015, Philadelphia, PA)

Grant Support

Current

- Midbrain circuits for perceptual decision-making (U01/NIH). 5/2021–4/2024.
  Role: PI (MPI)
  Major Goals: The project aims to elucidate the role of superior colliculus in attention and decision-making process in a cross species design. The PI's lab will take a lead role in modeling the behavioral and neural data from the decision-making tasks.

- Short-term cognitive change in adults from 18 to 80 (R01/NIH). 1/2016–12/2022 (NCE)
  Role: PI (MPI)
  Major Goals: This is one of the largest active longitudinal studies of aging involving comprehensive cognitive assessments in adults ranging from 18 to 99 years of age in the world. The project recently transitioned to a multi-PI project. Erisir serves as the administrative PI.

Completed

- Real-world Episodic Memory (Industry). 9/2018–7/2021.
  Role: PI
  Major Goals: Test memory for real-world events, providing dependent measures that can predict memory performance based on egocentric video streams, eyetracking, and EEG.

- Collaborative Research: NCS-FO: Learning Efficient Visual Representations From Realistic Environments Across Time Scales (NSF). 9/2016–8/2020.
  Role: CoPI
  Major Goals: Develop and test a novel theory of the representation of experience that can unify neural processing over multiple scales, from milliseconds to hours to days.

- Lifelogging an integrated, whole-body network (Part of a grant to The Ohio State University Center for Brain Health and Performance from the Rudi Schulte Research Institute). 8/2015–7/2018.
  Role: CoPI
  Major Goals: Track fluctuations in neurocapacity based on real-world experience recorded via life-logging with ecological momentary assessments of cognitive state via simple tasks.

- Sensing to Understanding and Prediction Realized via an Experiment and Modeling Ecosystem (AFRL). 10/2016–3/2019.
  Role: PI
  Major Goals: Develop a task and modeling cognitive quantification system that is able to quickly and accurately assess participants' cognitive state with a wide range of applications.

- SMILE: State Machine Interface Library for Experiments (CCBS Seed Grant). 5/2015–5/2017.
  Role: PI
  Major Goals: Develop a novel open source, cross platform, experiment programming library that is able to collect data on Windows, OSX, Linux, Android, and iOS, with high temporal precision.

- On-Board Data Handling for Longer Duration Autonomous Systems on Expeditionary Missions (ONR-STTR). 7/2013–1/2014.
  Role: PI

Major Goals: Develop models based on human memory to help guide autonomous vehicles that learn from their experience.

- Compressed Sensing the Brain: Inferring sparse spatio-temporal neural sources for improved analysis of cognitive states (Center of Cognitive Science Seed Grant). 1/2011–12/2012.
  Role: CoPI
  Major Goal: Test the application of novel sparse machine-learning approaches to decode brain states.

- Principal Investigator, Tracking the use of semantic and temporal cues during memory search (Individual Postdoctoral NIH NRSA). Kenneth Norman, sponsor. 4/2007–5/2010.

- Principal Investigator, Electrophysiological Correlates of Human Memory (Individual Predoctoral NIH NRSA). Michael Kahana, sponsor. 9/2005–8/2006.

Research Articles

Submitted

- Maini S.S., Mochizuki-Freeman J., Indi C. S., Jacques B.G., Sederberg P.B., Howard M.W., and Tiganj Z. (Submitted). Learning using logarithmically-compressed number lines.

- Spears T.A., Jacques B.G., Howard M.W., and Sederberg P.B. (Under Revision). Scale-invariant temporal history (SITH): optimal slicing of the past in an uncertain world.

- Sederberg P.B. and Smith T.A. (Submitted). Modeling the role of context and prediction in encoding variability.

- Smith T.A. and Sederberg P.B. (Submitted). Low frequency neural oscillations during encoding reveal interactions between semantic relatedness, subsequent memory, and subsequent false memory.

- Gillespie M.J., Smith T.A., Cunningham W.A., and Sederberg P.B. (Submitted). Open to too much experience: Openness predicts false memory.

Published / In Press

1. Li, C., McHaney, K., Sederberg, P.B., Cang, J. (2022). Tree Shrews as an Animal Model for Studying Perceptual Decision-Making Reveal a Critical Role of Stimulus-Independent Processes in Guiding Behavior. *eNeuro*, 9 (6) ENEURO.0419-22.2022; DOI: https://doi.org/10.1523/ENEUR 22.2022.

2. Jacques, B.G., Tiganj, Z., Sarkar, A., Howard, M. and Sederberg, P.. (2022). A deep convolutional neural network that is invariant to time rescaling. *Proceedings of the 39th International Conference on Machine Learning, in Proceedings of Machine Learning Research*, 162, 9729–9738.

3. Darby, K. P., Sederberg, P. B., and Sloutsky, V. M. (2022). Intraobject and extraobject memory binding across early development. *Developmental Psychology*, 58(7), 1237–1253.

4. Darby, K. P. and Sederberg, P. B. (2022). Transparency, replicability, and discovery in cognitive aging research: A computational modeling approach. *Psychology and Aging*, 37(1), 10–29.

5. Serino, A., Bockbrader, M., Bertoni, T., Colachis IV, S., Solc'a, M., Dunlap, C., ... & Blanke, O. (2022). Sense of agency for intracortical brain–machine interfaces. *Nature Human Behaviour*, 6(4), 565–578.

6. Jacques B.G., Tiganj Z., Howard M.W., and Sederberg P.B. (2021). DeepSITH: Efficient Learning via Decomposition of What and When Across Time Scales. *Advances in Neural Information Processing Systems*, 34.

7. Graves A., Clayton C., Soh J.Y., Yohe G., and Sederberg P.B. (2021). Extensions and Application of the Robust Shared Response Model to Electroencephalography Data for Enhancing Brain-Computer Interface Systems. *Systems and Information Engineering Design Symposium (SIEDS)*. (Winner of Best Paper in Health Track.)

8. Anand G., Ansari A., Dobrenz B., Wang Y., Jacques B.G., Sederberg P.B. (2021). Improving Brain Computer Interfaces Using Deep Scale-Invariant Temporal History Applied to Scalp Electroencephalogram Data. *Systems and Information Engineering Design Symposium (SIEDS)*. (Winner of Best Paper in Systems Design Track.)

9. Weichart E.R., Darby K.P., Fenton A.W., Jacques B.G., Kirkpatrick R.P., Turner B.M., and Sederberg P.B. (2021). Quantifying Mechanisms of Cognition with an Experiment and Modeling Ecosystem. *Behavioral Research Methods*. https://doi.org/10.3758/s13428-020-01534-w

10. Kirkpatrick R.P., Turner B.M., and Sederberg P.B. (2021). Equal evidence perceptual tasks suggest a key role for interactive competition in decision-making. *Psychological Review*. Advance Online publication. https://doi.org/10.1037/rev0000284

11. Weichart, E.R., and Sederberg, P.B. (2021). Individual Differences in Attention Allocation During a 2-dimensional Inhibitory Control Task. *Attention, Perception, & Psychophysics*, 83, 676–684.

12. Bahg, G., Sederberg, P.B., Myung, J.I., Li, X., Pitt, M.A., Lu, Z.L., and Turner, B.M. (2020). Real-time Adaptive Design Optimization Within Functional MRI Experiments. *Comput Brain Behav*, 3, 400–429. https://doi.org/10.1007/s42113-020-00079-7

13. Weichart E.R., Turner B.M., and Sederberg P.B. (2020). A Model of Dynamic, Within-Trial Conflict Resolution for Decision Making. *Psychological Review*, 127(5), 749–777.

14. Weichart E.R., Sederberg P.B., Sammartino F., Krishna V., Corrigan J.D. and Rezai A.R. (2020). Cognitive Task Performance During Titration Predicts DBS Treatment Efficacy: Evidence from a case study. *Frontiers in Psychiatry*.

15. Siefke B.M., Smith T.A., and Sederberg P.B. (2019). A Context-Change Account of Temporal Distinctiveness. *Memory & Cognition*, 47, 1158–1172.

16. Tiganj Z., Gershman S.J., Sederberg P.B., and Howard M.W. (2019). Estimating scale-invariant future in continuous time. *Neural Computation*, 31, 681–709.

17. O'Connell, T.P., Sederberg, P.B., and Walther D.B. (2018). Representational differences between line drawings and photographs of natural scenes: A dissociation between multi-voxel pattern analysis and repetition suppression. *Neuropsychologia*, 117, 513–519.

18. Schwemmer M.A., Skomrock N.D, Sederberg P.B., Ting J.E., Sharma G., Bockbrader M.A., and Friedenberg, D.A. (2018). Meeting brain-computer interface user performance expectations using a deep neural network decoding framework. *Nature Medicine*, 24, 1669–1676.

19. Sreekumar, V., Nielson, D.M., Smith, T.A., Dennis, S., and Sederberg, P.B.(2018). The experience of vivid autobiographical reminiscence is supported by personal semantic representations in the precuneus. *Scientific Reports*, 8, 14899.

20. Palestro, J. J., Weichart, E., Sederberg, P. B., and Turner, B. M. (2018). Some Tasks Demands Induce Collapsing Bounds: Evidence from a Behavioral Analysis. *Psychonomic Bulletin and Review*, 25, 1225–1248.

21. Scharre, D.W., Weichart, E.R., Nielson, D.M., Zhang, J., Agrawal, P., Sederberg, P.B., Knopp, M.V., Rezai, A.R. for the Alzheimer's Disease Neuroimaging Initiative (2018). Deep Brain Stimulation of Frontal Lobe Networks to Treat Alzheimer's Disease. *Journal of Alzheimer's Disease*, 62, 621–633.

22. Palestro, J. J., Bahg, G., Sederberg, P. B., Lu, Z.-L., Steyvers, M., and Turner, B. M. (2018). A Tutorial on Joint Models of Neural and Behavioral Measures of Cognition. *Journal of Mathematical Psychology*, 84, 20–48.

23. Gravina, M.T. and Sederberg, P.B. (2017). The neural architecture of prediction over a continuum of spatiotemporal scales. *Current Opinions in Behavioral Sciences*, 17, 194–202.

24. Nielson, D.M. and Sederberg, P.B. (2017). MELD: Mixed effects for large datasets, *PLOS: One*.

25. Dennis, S., Yim, H., Sreekumar, V., Evans, N. J., Garrett, P., and Sederberg, P. (2017). A hierarchical Bayesian model of "memory for when" based on experience sampling data. *Proceedings of the Cognitive Science Society*.

26. Turner B.M., Sederberg P.B., and McClelland J.L. (2016). Bayesian Analysis of Simulation-based Models. *Journal of Mathematical Psychology*, 72, 191–199.

27. Ratcliff, R., Sederberg, P., Smith, T., Childers, R. (2016). A Single Trial Analysis of EEG in Recognition Memory: Tracking the Neural Correlates of Memory Strength. *Neuropsychologia*, 93, 128–141.

28. Bouton, C.E., Shaikhouni, A., Annetta, N.V., Bockbrader, M.A., Friedenberg, D.A., Nielson, D.M., Sharma, G., Sederberg, P.B., Glenn, B.C., Mysiw, W.J., Morgan, A.G., Deogaonkar, M., Rezai, A.R. (2016). Restoring Cortical Control of Functional Movement in a Human with Quadriplegia. *Nature*, 533 (7602), 247–250.

29. Hasinski, A.E. and Sederberg, P.B. (2016). Trial-level information for individual faces in the fusiform face area depends on subsequent memory. *NeuroImage*, 124 (A), 526–535.

30. Rezai, A.R., Sederberg, P.B., Bogner, J., Nielson, D.M., Zhang, J., Mysiw, W.J., Knopp, M.V., Corrigan, J.D. (2016) Improved Function After Deep Brain Stimulation for Chronic, Severe Traumatic Brain Injury. *Neurosurgery*, 79, 204–211.

31. Deogaonkar, M., Sharma, M., Oluigbo, C., Nielson, D. M., Yang, X., Vera-Portocarrero, L., Molnar, G. F., Abduljalil, A., Sederberg, P. B., Knopp, M. and Rezai, A. R. (2016), Spinal Cord Stimulation (SCS) and Functional Magnetic Resonance Imaging (fMRI): Modulation of Cortical Connectivity With Therapeutic SCS. *Neuromodulation: Technology at the Neural Interface*, 19, 142–153.

32. Nielson, D.M., Smith, T.A., Sreekumar, V., Dennis, S., and Sederberg, P.B. (2015). The human hippocampus represents space and time during retrieval of real-world memories. *Proceedings of the National Academy of Sciences*, 35, 11078–11083.

33. Manns J.R., Galloway C.R., and Sederberg P.B. (2015). A temporal context repetition effect in rats during a novel object recognition memory task. *Animal Cognition*, 18, 1031–1037.

34. Paul B.T., Sederberg P.B., and Feth L.L. (2015). Imagined Temporal Groupings Tune Oscillatory Neural Activity for Processing Rhythmic Sounds. *Timing & Time Perception*, 3, 172–188.

35. Hayes, T.R., Petrov, A.A., and Sederberg, P.B. (2015). Do we really become smarter when our fluid-intelligence test scores improve? *Intelligence*, 48, 1–14.

36. Ziniel J., Schniter P., and Sederberg P. (2015). Binary Linear Classification and Feature Selection via Generalized Approximate Message Passing. *Signal Processing, IEEE Transactions on*, 63, 2020–2032.

37. Turner B.M. and Sederberg P.B. (2014). A generalized, likelihood-free method for parameter estimation. *Psychonomic Bulletin & Review*, 21, 227–250.

38. Polyn, S.M. and Sederberg, P.B. (2014). Brain rhythms in mental time travel. *NeuroImage*. 85, 678–684.

39. Serruya, M.D., Sederberg, P.B., and Kahana, M.J. (2014). Power shifts track serial position and modulate encoding in human episodic memory. *Cerebral Cortex*, 24, 403–413, `doi: 10.1093/cercor/bhs318`.

40. Gershman S.J., Blei D.M., Norman K.A., and Sederberg P.B. (2014) Decomposing spatiotemporal brain patterns into topographic latent sources. *NeuroImage*, 98, 91–102.

41. Smith T.A., Hasinski A.E., and Sederberg P.B. (2013). The Context Repetition Effect: Predicted events are remembered better, even when they don't happen. *JEP: General*, 142(4), 1298–1308.

42. Turner, B.M., Sederberg, P.B., Brown, S.D., and Steyvers, M. (2013). A method for efficiently sampling from distributions with correlated dimensions. *Psychological Methods*, 18(3), 368–384.

43. Johnson, M.R., Higgins, J.A., Norman, K., Sederberg, P.B., Smith, T.A. and Johnson, M.K. (2013). Foraging for thought: An inhibition of return-like effect resulting from directing attention within working memory. *Psychological Science*, 24(7), 1104–1112.

44. Turner, B.M., Forstmann, B.U., Wagenmakers, E.J., Brown, S.D., Sederberg, P.B., and Steyvers, M. (2013). A Bayesian framework for simultaneously modeling neural and behavioral data. *NeuroImage*, 72, 193–206.

45. Turner B.M. and Sederberg P.B. (2012). Approximate Bayesian computation with differential evolution. *Journal of Mathematical Psychology*, 56(5), 375–385.

46. Gershman S.J., Moore C.D., Todd M.T., Norman K.A., and Sederberg P.B. (2012). The successor representation and temporal context. *Neural Computation*, 24(6), 1553–1568.

47. Turk-Browne N.B., Simon M.G., and Sederberg P.B. (2012). Scene representations in parahippocampal cortex depend on temporal context. *The Journal of Neuroscience*, 32(21), 7202–7207.

48. Hayes, T., Petrov, A.A., and Sederberg, P.B. (2011). A novel method for analyzing sequential eye movements reveals strategic influence on Raven's Advanced Progressive Matrices. *Journal of Vision*, 11(10:10), 1–11.

49. Sederberg P.B., Gershman S.J., Polyn S.M., and Norman K.A. (2011). Human memory reconsolidation can be explained using the temporal context model. *Psychonomic Bulletin & Review*, 18(3), 455–468.

50. Sederberg, P.B., Miller, J.F., Howard, M.W., and Kahana, M.J. (2010). The temporal contiguity effect predicts episodic memory performance. *Memory & Cognition*, 38(6), 689-699.

51. Solway A., Geller A.S., Sederberg P.B., and Kahana M.J. (2010). PyParse: A semiautomated system for scoring spoken recall data. *Behavior Research Methods*, 42(1), 141–147.

52. Hanke M., Halchenko Y.O., Sederberg P.B., Olivetti E., Frund I., Rieger J.W., Herrmann C.S., Hanson S.J., Haxby J.V., and Pollmann S. (2009). PyMVPA: A Unifying Approach to the Analysis of Neuroscientific Data. *Frontiers in Neuroinformatics*, 3(3), 1–13.

53. Hanke M., Halchenko Y.O., Sederberg P.B., Hanson S.J., Haxby J.V., and Pollmann S. (2009). PyMVPA: A Python toolbox for multivariate pattern analysis of fMRI data. *Neuroinformatics*, 7(1), 37–53.

54. Socher, R., Gershman, S.J., Perotte, A.J., Sederberg, P.B., Blei, D.M., and Norman, K.A. (2009). A Bayesian analysis of dynamics in free recall. *Advances in Neural Information Processing Systems*, 22, 1714–1722.

55. Howard M.W., Sederberg P.B., and Kahana M.J. (2009). Reply to Farrell & Lewandowsky: Recency-contiguity interactions predicted by the temporal context model. *Psychonomic Bulletin & Review*, 16(5), 973–984.

56. Sederberg, P.B., Howard, M.W., and Kahana, M.J. (2008). A context-based theory of recency and contiguity in free recall. *Psychological Review*, 115(4), 893–912.

57. Kahana, M.J., Sederberg, P.B., and Howard, M.W. (2008). Putting short-term memory into context: Reply to Usher and colleagues. *Psychological Review*, 115(4), 1119–1125.

58. Howard, M.W., Kahana, M.J., and Sederberg, P.B. (2008). Postscript: Distinguishing between temporal context and short-term store. *Psychological Review*, 115(4), 1125–1126.

59. Sederberg, P.B., Schulze-Bonhage, A., Madsen, J.R., Bromfield, E.B., Litt, B., Brandt, A., and Kahana, M.J. (2007). Gamma oscillations distinguish true from false memories. *Psychological Science*, 18(11), 927–932.

60. Sederberg, P.B., Schulze-Bonhage, A., Madsen, J.R., Bromfield, E.B., McCarthy, D.C., Brandt, A., Tully, M.S., and Kahana, M.J. (2007). Hippocampal and neocortical gamma oscillations predict memory formation in humans. *Cerebral Cortex*, 17(5), 1190–1196.

61. Geller, A.S., Schleifer, I.K., Sederberg, P.B., Jacobs, J. and Kahana, M.J. (2007). PyEPL: A cross-platform experiment-programming library. *Behavior Research Methods*, 39(4), 950–958.

62. van Vugt, M.K., Sederberg, P.B., and Kahana, M.J. (2007). Comparison of spectral analysis methods for brain oscillations. *Journal of Neuroscience Methods*, 162(1-2), 49–63.

63. Sederberg, P.B., Gauthier, L.V., Terushkin, V., Miller, J.F., Barnathan, J.A., and Kahana, M.J. (2006). Oscillatory correlates of the primacy effect in episodic memory. *NeuroImage*, 32(3), 1422–1431.

64. Sederberg, P.B., Kahana, M.J., Donner, E., and Madsen, J.R. (2003). Theta and gamma oscillations during encoding predict subsequent recall. *Journal of Neuroscience*, 23(34), 10809–10814.

65. Levy, W.B, Sederberg, P.B., and August, D.A. (1998). Sequence compression by a hippocampal model: A functional dissection. *Computational Neuroscience: Trends in Research (J. M. Bower, Ed.)*, 435–439.

66. Levy W.B., and Sederberg P.B. (1997). A neural network model of hippocampally mediated trace conditioning. *IEEE International Conference on Neural Networks*, 1, 372–376.

Books

- Palestro, J. J., Sederberg, P. B., Osth, A. F., Van Zandt, T., and Turner, B. M. (2018). Likelihood-free Methods for cognitive science. Springer: New York.

Book Chapters

- Nadel and Sederberg (in press) Memory Reconsolidation: Making Predictions Better, M. Kahana and A. Wagner (Eds.), *Handbook of Human Memory*, Oxford University Press.

- Sederberg, P. B. and Norman, K. A. (2010). Learning and memory: Computational models.. In G. F. Koob, M. Le Moal, and R. F. Thompson (Ed.), *Encyclopedia of Behavioral Neuroscience* (pp. 145–153) Oxford: Oxford: Academic Press.

Invited Talks

- National Institutes of Health, Bethesda, MD (July, 2019)
- Brain Health Symposium, Columbus, OH (June, 2019)
- Workshop on Joint Modeling, Columbus, OH (May, 2019)
- UT Austin Conference on Learning and Memory (April, 2019)
- Cannes Lions Festival of Creativity, Cannes, France (June, 2017)
- Fitch, Inc., BOLD Day on *Making Future Memories*, Columbus, OH (July, 2016)
- Vanderbilt University (April, 2016)
- Emory University (January, 2016)
- Princeton University (October, 2015)
- University of Pennsylvania (May, 2015)
- Mathematics + Computation + Science = Solutions (MCSS Symposium), IUPUI (September, 2014)

Supervision

- Troy Smith, PhD (Postdoc, 2010–2015). Associate Professor, University of North Georgia.
- Kevin Darby, PhD (Postdoc, 2017–2022). Assistant Professor, Florida Atlantic University.
- Veronica Weser, PhD (Postdoc, 2019).
- Adam Hasinski, PhD (Graduate Student, 2012–2015). Data Scientist at Neilsen.
- Dylan Nielson, PhD (Graduate Student, 2012–2015). Data Science and Sharing Team, National Institute of Mental Health.
- Brian Siefke, PhD (Graduate Student, 2011–2017). Lecturer at The Ohio State University.
- Vishnu Sreekumar, PhD (Graduate Student with Simon Dennis, 2013–2015). Assistant Professor, Postdoctoral Fellow at NIH.
- Emily Weichart (Graduate Student, 2015–2020). Postdoctoral Fellow, *The Ohio State University.*
- Tyler Spears (Graduate Student, 2017–2019).
- Adam Fenton (Graduate Student, 2018–)
- Christopher Hall (Graduate Student, 2022–)
- Brandon Jacques (Graduate Student, 2017–).
- Ryan Kirkpatrick (Graduate Student, 2016–).

- Chuiwen Li (Graduate Student, with Jianhua Cang, 2019–)
- Becky Waugh (Graduate Student, 2021–)

Professional Society Memberships

- Society for Neuroscience
- Cognitive Neuroscience Society
- Psychonomic Society (Fellow)
- Society for Mathematical Psychology
- Organization for Human Brain Mapping