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Jeremy Hogeveen, PhD

POSITIONS

University of New Mexico, Department of Psychology 2024—pr.
Associate Professor
University of New Mexico, Department of Psychology 2018—2024
Assistant Professor
University of California-Davis, MIND Institute 2016—2018
Postdoctoral Scholar, PI: Dr. Marjorie Solomon
Northwestern University, Medical School 2014—2016
Postdoctoral Scholar, PI: Dr. Jordan Grafman
University of Guelph, Department of Psychology 2014
Instructor
University of London, Birkbeck College 2013
Visiting Graduate Researcher, PIs: Drs. Geoffrey Bird & Clare Press
Wilfrid Laurier University, Department of Psychology 2009—2014
MSc, PhD, PI: Dr. Sukhvinder S. Obhi

PENDING SUPPORT (Limited to PI Role)

R01DA064999 Costa & Hogeveen (MPIs) 2025—2030
Targeted neuromodulation of cognition in primate frontopolar cortex.
Total costs (requested): $4,159,974.
Impact score: 27 ; Percentile: 9.

RESEARCH SUPPORT (Within ≤3 Years)

CIHR Spreng & Turner (PIs) 2024—2029
Neurocognitive aging and decision-making. Hogeveen (Co-I)
Total costs: $1,138,100.

R01AA030283 Hogeveen (PI) 2023—2028
Neurodevelopment of exploration and alcohol problems in adolescence.
Total costs: $2,867,351.

NSF2237795 Hogeveen (PI) 2023—2028
CAREER: Time-resolved decoding of explore/exploit computations in the human brain.
Total costs: $800,000.

P20GM109089 04 Sub #6857 Hogeveen (PI) 2020—2023
Motivation circuits underlying apathy in traumatic brain injury. Role: Project PI.
Total costs: $1,216,495.

PAPERS

1. Rogge-Obando, K., Lee, T., Martin, C., Kaur, K., Li, Y., Harding, J. M., Wang, S., Song, R., Yang, R., Guntaka, R., Goodale, S. E., Bayrak, R. G., Uddin, L. Q., Walter, M., Hogeveen, J., & Chang, C. (2025). Global effects in fMRI reveal brain markers of state and trait anxiety. *medRxiv, 2025.07.15.25331571*.

2. Pirrung, C. J. H., Singh, G., Hogeveen J., Quinn, D. K., & Cavanagh, J. F. (2025). Hypoactivation of ventromedial frontal cortex in major depressive disorder: An MEG study of the reward positivity. *Biol Psychiatry Cogn Neurosci Neuroimaging*, *10*, 750-758.

3. Campbell, E., Zhong, W., Hogeveen, J., & Grafman, J. (2025). Dorsal-Ventral Reinforcement Learning Network Connectivity and Incentive-Driven Changes in Random Exploration. *Journal of Neuroscience*, *45*, e0422242025

4. Hogeveen, J. (2024). The role of neuronal variability in cognitive modulation via prefrontal direct current stimulation. *Brain*, *147*, 3645-3647.

5. Hogeveen, J., Campbell, E. M., Mullins, T. S., Robertson-Benta, C. R., Quinn, D. K., Mayer, A. R., & Cavanagh, J. F. (2024). Neural response to monetary incentives in acquired adolescent depression after mild traumatic brain injury. *Brain Communications*.

6. Acosta, G., Rico, K. T., Madden, J. T., LaCour, A., Wang, E., Sanchez, L. M., Davies, S., Maestas-Olguin, C., Cox, K. B., Reyna, N. C., Hogeveen, J., Savage, D. D., Pentkowski, N., & Clark, B. J. (2024). The effects of moderate prenatal alcohol exposure on performance in hippocampal-sensitive spatial memory and anxiety tasks by adult make and female rat offspring. *Alcohol*, *121*, 75-86.

7. Mayer, A. R., Dodd, A. B., Robertson-Benta, C. R., Zotev, V., Ryman, S. G., Meier, T. B., Campbell, R. A., Phillips, J. P., van der Horn, H. J., Hogeveen, J., Tarawneh, R., & Sapien, R. E. (2024). Multifaceted pathologies underlie neurovascular coupling deficits following pediatric mild traumatic brain injury. *Journal of Cerebral Blood Flow & Metabolism*, *44*, 118-130.

8. Wyatt, L. E., Hewan, P. A., Hogeveen, J., Turner, G. R., & Spreng, R. N. (2024). Exploration versus exploitation decisions in the human brain: A systematic review of functional neuroimaging and neuropsychological studies. *Neuropsychologia*, *192*, 108740.

9. Campbell, E. M., Singh, G., Claus, E. D., Witkiewitz, K., Costa, V. D., Hogeveen, J., & Cavanagh, J. F. (2023). Electrophysiological markers of aberrant cue-specific exploration in heavy drinkers. *Computational Psychiatry, 7*, 47-59.

10. Singh, G., Campbell, E., Hogeveen, J., Witkiewitz, K., Claus, E., & Cavanagh, J. F. (2023). Affective imagery boosts the reward related delta power in hazardous drinkers. *Psychiatry Research: Neuroimaging*, *334*, 111685

11. Hogeveen, J., Medalla, M., Ainsworth, M., Galeazzi, J. M., Hanlon, C. A., Mansouri, F. A., & Costa, V. D. (2022). What does the frontopolar cortex contribute to goal-directed cognition and action?. *Journal of Neuroscience*, *42*, 8508-8513.

12. Hogeveen, J., Mullins T. S., Romero, J., Eversole, E., Rogge-Obando, K., Mayer, A. R., & Costa, V. D. (2022). The neurocomputational bases of explore-exploit decision making. *Neuron*, *110*, 1869-1879.

13. Sicard, V., Stephenson, D. D., Dodd, A. B., Reddy, S. P., Robertson-Benta, C. R., Ryman, S. G., Hanlon, F. M., Shaff, N. A., Ling, J. M., Hergert, D. C., Vakamudi, K., Hogeveen, J., Mayer, A. R.

(2021). Is the prefrontal cortex organized by supramodal or modality-specific sensory demands during adolescence?. *Developmental Cognitive Neuroscience*, *51*, 101006.

14. Hogeveen, J., et al. (2021). Ventromedial prefrontal-anterior cingulate hyperconnectivity and resilience to apathy in traumatic brain injury. *Journal of Neurotrauma*, *38*, 2264-2274.

15. Gordon, A. J., Krug, M. K., Wulff, R., Elliott, M. V., Hogeveen, J., Lesh, T., Carter, C. S., & Solomon, M. (2021). Components of executive control in autism spectrum disorders: An fMRI examination of dual-mechanism accounts. *Biol Psychiatry Cogn Neurosci Neuroimaging*, *6*, 792-801.

16. Hogeveen, J., Grafman, J. (2021). Alexithymia. In S. E. Nadeau & K. M. Heilman (Eds.), *Handbook of Clinical Neurology*, *183*, 47-62.

17. Hogeveen, J., Kruger, F., & Grafman, J. (2021). Association between alexithymia and impaired reward valuation in patients with fronto-insular damage. *Emotion*, *21*, 137-147.

18. Stephenson, D.D., El Shaikh, A.A., Shaff, N.A., Bustillo, J.R., Dodd, A.B., Wertz, C.J.., Ryman, S.G., Hanlon, F.M., Hogeveen, J., Ling, J.M., Yeo, R.A., Stromberg, S.F., Lin, D.S., Abrams, S., Mayer, A.R. (2020). Differing functional mechanisms underlie cognitive control deficits in psychotic spectrum disorders. *Journal of Psychiatry and Neuroscience*, *45*, 430-440.

19. Mayer, A. R., Hanlon, F. M., Shaff, N. A., Stephenson, D. D., Ling, J. M., Dodd, A. B., Hogeveen, J., Quinn, D. K., Ryman, S. G., Pirio-Richardson, S. (2020). Evidence for asymmetric inhibitory activity during motor planning phases of sensorimotor synchronization. *Cortex*, *129*, 314-318.

20. Krug, M. K., Elliott, M. V., Gordon, A. J., Hogeveen, J., & Solomon, M. (2020). Proactive control in adolescents and young adults with autism spectrum disorder: Unimpaired but associated with symptoms of depression. *Journal of Abnormal Psychology*, *129*, 517-527.

21. Mullins, T. S., Campbell, E. M., & Hogeveen, J. (2020). Neighborhood deprivation shapes motivational neurocircuit recruitment in children. *Psychological Science*, *31*, 881-889.

22. Gordon, A., Geddert, R. M., Krug, M. K., Obhi, S. S., Hogeveen, J., & Solomon, M. (2020). Not so automatic imitation: Expectation of incongruence reduces interference in both autism spectrum disorder and typical development. *J Autism Dev Disord*, *50*, 1310-1323.

23. Botvinik-Nezer, R., ... Hogeveen, J., ... et al., & Schonberg, T. (2020). Variability in the analysis of a single neuroimaging dataset by many teams. *Nature, 582*, 84-88.

24. Hogeveen, J., Krug, M. K., Geddert, R. M., Ragland, J. D., & Solomon, M. (2020). Compensatory hippocampal recruitment supports preserved episodic memory in autism spectrum disorder. *Biol Psychiatry Cogn Neurosci Neuroimaging*, *5*, 97-109.

25. Hogeveen, J., Krug, M. K., Elliott, M. V., & Solomon, M. (2018). Insula-retrosplenial cortex overconnectivity increases internalizing via reduced insight in autism. *Biological Psychiatry*, *84*, 287-294.

26. Hogeveen, J., Krug, M. K., Elliott, M. V., Carter, C. S., & Solomon, M. (2018). Proactive control as a double-edged sword in autism spectrum disorder. *Journal of Abnormal Psychology*, *4*, 429-435.

27. Hobson, H. M., Hogeveen, J., Brewer, R., Catmur, C., Gordon, B., Chau, A., Bird, G., & Grafman, J. (2018). Language and alexithymia: Evidence for the role of the inferior frontal gyrus in acquired alexithymia. *Neuropsychologia, 111, 229-240*.

28. Solomon, M., Hogeveen, J., Libero, L., & Nordahl, C. W. (2017). An altered scaffold for information processing: Cognitive control development in adolescents with autism. *Biol Psychiatry Cogn Neurosci Neuroimaging, 2*, 464-475.

29. Hogeveen, J., Hauner, K. K., Chau, A., Krueger, F., & Grafman, J. (2017). Impaired valuation leads to increased apathy following ventromedial prefrontal cortex damage. *Cerebral Cortex*, *27*, 1401-1408.

30. Hogeveen, J., Salvi, C., & Grafman, J. (2016). 'Emotional intelligence': Lessons from lesions. *Trends in Neurosciences, 39*, 694-705.

31. Hogeveen, J., Grafman, J., Aboseria, M., David, A., Bikson, M., & Hauner, K. K. (2016). Effects of high-definition and conventional tDCS on response inhibition. *Brain Stimulation, 9*, 720-729.

32. Hogeveen, J., Bird, G., Chau, A., Krueger, F., & Grafman, J. (2016). Acquired alexithymia following damage to the anterior insula. *Neuropsychologia*, *82*, 142-148.

33. Hogeveen, J., Obhi, S. S., Banissy, M. J., Santiesteban, I., Press, C., Catmur, C., Bird, G. (2015). Task-dependent and distinct roles of the temporoparietal junction and inferior frontal cortex in the control of imitation. *Social Cognitive and Affective Neuroscience*, *10*, 1003-1009.

34. Hogeveen, J., Chartrand, T. L., & Obhi, S. S. (2015). Being mimicked enhances mu-suppression during action observation. *Cerebral Cortex*, *25*, 2076-2082.

35. Bancroft, T. D., Hogeveen, J., Servos, P., & Hockley, W. E. (2014). TMS-induced neural noise in sensory cortex interferes with short-term memory storage in prefrontal cortex. *Frontiers in Computational Neuroscience*, *8*, 23.

36. Obhi, S. S., Hogeveen, J., Giacomin, M., & Jordan, C. (2014) Automatic imitation is reduced in narcissists. *Journal of Experimental Psychology: HPP*, *40*, 920-928.

37. Hogeveen, J., Inzlicht, M., & Obhi, S. S. (2014). Power changes how the brain responds to others. *Journal of Experimental Psychology: General*, *143*, 755-762.

38. Obhi, S. S., & Hogeveen, J. (2013). The controlled imitation task: A new paradigm for studying self-other control. *PeerJ, 1, e161*.

39. Hogeveen, J., & Obhi, S. S. (2013). Automatic imitation is automatic, but less so for narcissists. *Experimental Brain Research*, *224*, 613-621.

40. Hogeveen, J., & Obhi, S. S. (2012). Social interaction enhances motor resonance for observed human actions. *Journal of Neuroscience*, *32*, 5984-5989.

41. Obhi, S. S., Hogeveen, J., & Pascual-Leone, A. (2011). Resonating with others: The effect of self-construal type on motor cortical output. *Journal of Neuroscience*, *31*, 14531-14535.

42. Hogeveen, J., & Obhi, S. S. (2011). Altogether now: Activating interdependent self-construal induces hypermotor resonance. *Cognitive Neuroscience*, *2*, 74-82.

43. Obhi, S. S., & Hogeveen J. (2010). Incidental action observation modulates muscle activity. *Experimental Brain Research*, *203*, 427-435.

ADDITIONAL TRAINING

Medical University of South Carolina Neuromodulation course 2019
(Drs. Mark George, Richard Segal, & Steven Kautz)

Mind Research Network fMRI course 2018
(Drs. Kent Kiehl, Vince Calhoun, & Tor Wager)

UC Davis Medical School NIH Grantwriting Course 2017
(Dr. Sally Ozonoff)

Harvard-MIT Martinos Center for Biomedical Imaging Connectivity Course 2015
(Drs. Robert L. Savoy et al.)

AWARDS, HONORS, & FELLOWSHIPS

2024 Research and Creative Works Leader Award, UNM Office of the Provost

2019 Association for Psychological Science (APS) Rising Star designation

2018 Psychonomic Society Fellow (FPsyS; Fall, 2018)

2017 MIND Institute, International Meeting for Autism Research (IMFAR) Travel Award

2016 Northwestern University Postdoctoral Forum, Best Poster

2015 Canadian Psychological Association, Certificate of Academic Excellence
Postdoctoral Travel Award, Northwestern University

2014 Faculty of Science Gold Medal PhD, Wilfrid Laurier University

2013 SSHRC Michael Smith Foreign Study Supplement ($8000)
Travel & Research Award, Wilfrid Laurier University

2012 SSHRC Canada Graduate Scholarship ($35,000*3 years)
Laurier Graduate Fellowship, Wilfrid Laurier University ($8000)

2011 Ontario Graduate Scholarship ($20,000*1 year)
Faculty of Science Gold Medal MSc, Wilfrid Laurier University

2010 Laurier Graduate Fellowship, Wilfrid Laurier University ($8000)

Donald O. Hebb Graduate Student Award Runner-Up, CSBBCS
Certificate of Teaching Excellence, Council of Canadian Departments of Psychology

PEER REVIEW

EDITING (reverse chronological):

- Associate Editor: Journal of Neuroscience Research (2019—2023)
- Review Editor: Frontiers in Human Neuroscience (2016—2020)
- Book Chapter Editor: Oxford University Press (2014)

GRANT REVIEW (reverse chronological):

- National Institutes of Health— Neural Basis of Psychopathology, Addictions, and Sleep-Disorders (NPAS) study section (2025)
- National Institutes of Health—Special Emphasis Panel study section (2025)
- National Science Foundation Advisory Panel
- National Institutes of Health—Neural Basis of Psychopathology, Addictions, and Sleep-Disorders (NPAS) study section
    - Ad Hoc 3 times in 2024
- Agence Nationale de la Recherche (2023)
- National Institutes of Health—Special Emphasis Panel study section (2023)
- National Institutes of Health—Human Complex Mental Function (HCMF) study section (2022)
- National Institutes of Health—Developmental Brain Disorders (DBD) study section (2021)
- Israel Science Foundation (2020)

AD HOC JOURNAL REVIEW (Alphabetical):

1. Acta Psychologica
2. American Journal of Psychiatry
3. Autism Research
4. Biological Psychology
5. Brain
6. Brain Research
7. Cerebral Cortex
8. Cognition
9. Cognitive Affective & Behavioral Neuroscience
10. Communications Psychology
11. Computational Psychiatry
12. Cortex
13. Current Psychology
14. eLife
15. European Journal of Neuroscience
16. iScience
17. Journal of Affective Disorders: Reports
18. Journal of Child Psychology and Psychiatry
19. Journal of Cognitive Neuroscience
20. Journal of Experimental Psychology: General
21. Journal of Experimental Psychology: Human Perception & Performance
22. Journal of Neurology, Neurosurgery, & Psychiatry

23. Journal of Neuroscience
24. Nature Communications
25. Nature Human Behavior
26. NeuroImage
27. Neuromodulation
28. Neuropsychologia
29. Neuroscience
30. Neuroscience & Biobehavioral Reviews
31. PLOS One
32. Progress in Neurobiology
33. Psychiatry and Clinical Neuroscience
34. Psychological Review
35. Science Advances
36. Scientific Reports
37. Social Cognitive and Affective Neuroscience
38. Trends in Cognitive Sciences

INVITED/CHAIRED TALKS & COMMUNITY ENGAGEMENT

ACADEMIC:

1. Hogeveen, J. (2025). *Neural bases of flexible exploration in motivated choice*. Sensory & Systems Neuroscience Seminar, Monash University, Melbourne, Australia.

2. Hogeveen, J. (2025). *Resolving the Unknown: Computational and Neural Substrates of Explore-Exploit Tradeoffs*. Anatomy & Cell Biology Seminar Series, Western University, Ontario, Canada.

3. Hogeveen, J. (2025). *Should I Stay or Should I Go? Exploration and Exploitation in Motivated Choice*. Department of Psychology, Neuroscience, & Behaviour, McMaster University, Ontario, Canada.

4. Hogeveen, J. (2025). *How Soon is Now? Balancing Immediate and Future Value in Decision-Making*. Centre for Integrative and Applied Neuroscience (CIAN), York University, Ontario, Canada.

5. Hogeveen, J. & Costa, V. D. (2024). *Co-Chair + Panelist for—Cross-Species Perspectives on the Neurodevelopment of Reward Processing in Adolescence*. American College of Neuropsychopharmacology, Phoenix, AZ, USA.

6. Hogeveen, J., Beyeler, A., Wnuk, H., Caban, A., Bliss-Moreau, E., & Uddin, L. (2024). *Discussion Leader for—Spotlight on the Insular Cortex*. Gordon Research Conference: Frontal Cortex, Holderness, NH, USA.

7. Hogeveen, J. (2024). *Exploration versus exploitation decisions in primates*. Department of Psychiatry and Behavioral Sciences Grand Rounds, University of New Mexico School of Medicine.

8. Hogeveen, J. (2023). *Neural mechanisms of (mal)adaptive motivated choice*. Department of Psychiatry & Behavioral Sciences, Northwestern University Feinberg School of Medicine.

9. Hogeveen, J. (2023). *Neural mechanisms of motivated choice*. Department of Psychology Colloquium, University of New Mexico.

10. Hogeveen, J. (2023). *What's blood got to do with it?*. Department of Psychiatry and Behavioral Sciences—Child Psychiatry Neuroimaging Seminar Series, University of New Mexico Health Sciences Center.

11. Hogeveen, J., & Costa, V. D. (2022). *Co-Chair + Panelist for Mini-Symposium–Primate Frontopolar Cortex (FPC): From Circuits to Complex Behaviors*. Society for Neuroscience, San Diego, CA, USA.

12. Hogeveen, J. (2022). *Explore-Exploit Decision Making: Mechanisms & Pathology*. Feindel Virtual Brain and Mind Seminar Series. Montreal Neurological Institute (The Neuro), Québec, Canada.

13. Hogeveen, J. (2022). *Accelerated and robust neuroimaging workflows on CARC*. Center for Advanced Research Computing, University of New Mexico.

14. Hogeveen, J. (2021). Department of Psychiatry and Behavioral Sciences—Child Psychiatry Neuroimaging Seminar Series, University of New Mexico School of Medicine.

15. Hogeveen, J. (2020). Department of Psychology Seminar, University of Exeter, Exeter, UK.

16. Hogeveen, J. (2020). Department of Psychology Colloquium, University of New Mexico.

17. Hogeveen, J. (2020). Department of Neurosciences Seminar, University of New Mexico School of Medicine.

18. Hogeveen, J. (2020). Department of Neurology Grand Rounds, University of New Mexico School of Medicine.

19. Hogeveen, J. (2020). Department of Psychiatry Grand Rounds, University of New Mexico School of Medicine.

20. Hogeveen, J. (2019). *Impact of reward access instability on psychopathology and reward circuit neurodevelopment in children*. Society for Neuroscience, Chicago, IL, USA.

21. Hogeveen, J. (2019). Center for Brain Recovery and Repair, University of New Mexico Health Sciences Center.

22. Hogeveen, J. (2018). Department of Psychology, Florida International University.

23. Hogeveen, J. (2018). Department of Psychology, University of New Mexico.

24. Hogeveen, J. (2017). Department of Psychology, University of Louisville.

25. Hogeveen, J., Krueger, F., & Grafman, J. (2016). *Acquired alexithymia disrupts reward valuation: A human lesion study*. Society for Neuroscience, San Diego, CA, USA.

26. Hogeveen, J. (2016). American Psychological Association, Denver, CO, USA.

27. Hogeveen, J. (2015). Department of Psychology, Royal Holloway University of London.

28. Hogeveen, J. (2014). *Co-Chaired + Panelist—Sharing and Distinguishing Interpersonal Actions*. Canadian Society for Brain, Behaviour, and Cognitive Science, Toronto, Ontario, Canada.

COMMUNITY:

1. Hogeveen, J. (April, 2025). *Watching Brains Make Choices*. UNM Faculty Lightning Lounge.

2. Hogeveen, J. (March, 2024; October, 2024). *Let's talk about the BRAIN*. Mark Armijo Academy Charter School (via Explora WeTech series).

3. Hogeveen, J. (January, 2024). *WeTech! Technology Education*. Martha Liebert Library, Bernalillo NM.

4. Hogeveen, J. (December, 2023). *Meet a Scientist—Science of Neuroplasticity demonstration*. Explora Science Center.

5. Hogeveen, J. (September, 2023). *Science Fiesta!*. Explora Science Center.

6. Hogeveen, J. (April, 2023). *Let's talk about brains!* Robert F. Kennedy Charter School. (via Explora WeTech series).

7. Hogeveen, J. (March, 2022). *Functional magnetic resonance imaging basics*. New Mexico Brain Bee.

8. Hogeveen, J. (July, 2021). *Apathy and acquired brain injury*. Retrain Your Brain social support group, New Mexico Brain Injury Resource Center.

9. Hogeveen, J. (October, 2020). *Ask the experts panel*. Annual Brain Injury Awareness Conference, Brain Injury Alliance of New Mexico.

10. Volunteer group leader: Acquiring Career, Coping, Executive-Function, & Social Skills program, UC Davis MIND Institute.

OTHER CONFERENCES:

1. Brown. L., Robertson-Benta, C., Campbell, E., Mullins, T., Enders, C., Mendoza, C., Austin, M., Stephen, J., Witkiewitz, K., Costa, V. D., & Hogeveen J. (2025). *Alcohol use frequency and aberrant effects of valence on exploratory behavior in adolescents*. Research Society on Alcohol, New Orleans LA, USA.

2. Hogeveen, J. (2025). *Effort discounting and exploration deficits drive apathy via distinct*

brain alterations after traumatic brain injury. Canadian Association for Neuroscience, Toronto Ontario, Canada.

3. Campbell, E. M., & Hogeveen, J. (2025). *Novelty processing in cannabis use and psychotic-like experiences*. Cognitive Neuroscience Society, Boston MA, USA.

4. Valtierra, C., Pasquini, L., Gazzaley, A., Mace, G., Ostrand, A., Auil, M., McConnell, P., Griffith, S., Hogeveen, J., & Spreng, R. N. (2025). *A three-armed bandit task measuring social exploratory/exploitative behavior in older adults*. Cognitive Neuroscience Society, Boston MA, USA.

5. Robertson-Benta, C. R., Hogeveen, J., Davis, W. A., Keskin, R., Quinn, D. K., & Mayer, A. R. (2024). *Apathy after traumatic brain injury: A comparison between medica cannabis users and non-users.* New Mexico Psychological Association.

6. Hogeveen, J. (2024). *Neurocomputational Maturation of Prefrontal Value-Signals Underlying Explore-Exploit Decision-Making in Adolescents*. Gordon Research Conference: Frontal Cortex, Holderness, NH, USA.

7. Campbell, E., Hogeveen, J., & Grafman, J. (2024). *Incentivized random exploration associated with dorsal-ventral reinforcement learning circuit connectivity***.** Cognitive Neuroscience Society, Toronto Ontario, Canada.

8. Hogeveen, J. (2024). *Neurocomputational maturation of explore-exploit decision-making in adolescence and emerging adulthood.* Cognitive Neuroscience Society, Toronto Ontario, Canada.

9. Hogeveen, J. (2023). *Functional Neuroimaging of Apathy in Traumatic Brain Injury.* Society for Neuroscience, Washington DC, USA.

10. Hogeveen, J., Campbell, E. M., Mullins, T. S., Quinn, D. K., Mayer, A. R., & Cavanagh, J. F. (2023). *Neural response to monetary incentives in acquired adolescent depression after mild traumatic brain injury*. FLUX Congress, Santa Rosa, CA, USA.

11. Campbell, E.M., Zhong, W., Mullins, T.S., Hogeveen, J., & Grafman, J. (2023). *Functional connectivity of ventral reinforcement learning circuits is associated with random exploration under incentives.* Organization for Human Brain Mapping, Montreal, Quebec, Canada.

12. Campbell, E.M., Singh, G., Claus, E.D., Witkiewitz, K.A., Costa, V.D., Hogeveen, J., & Cavanagh, J.F. (2023). *Electrophysiological Markers of Aberrant Cue-Specific Exploration in Hazardous Drinkers.* Collaborative Perspectives on Addiction Meeting, Albuquerque, NM, USA.

13. Mullins, T. & Hogeveen, J. (2023). *Does emotional processing modulate working memory in children with high autistic and anxiety traits*?. UNM BBHI Research Day, Albuquerque, NM, USA.

14. Hogeveen, J. (2022). *Electrophysiological markers of aberrant cue-specific exploration in heavy drinkers*. American College of Neuropsychopharmacology, Phoenix, AZ, USA.

15. Martin, C., Rogge-Obando, K., Chang, C., Zhu, J., Hogeven, J., Goodale, S., & Yang, R. (2022). *Relating state-trait anxiety to vigilance fluctuations derived from fMRI*. Society for Neuroscience, San Diego, CA, USA.

16. Mullins, T. & Hogeveen, J. (2022). *Emotional faces and working memory in children with high autistic and anxiety traits*. Society for Neuroscience, San Diego, CA, USA.

17. Hogeveen, J. (2022). *The neurocomputational bases of explore-exploit decision making in primates*. Gordon Research Conference: Neurobiology of Cognition, Newry, ME, USA.

18. Campbell, E. M., Singh, G., Claus, E., Witkiewitz, K., Costa, V. D., Hogeveen, J., & Cavanagh, J. F. (2022). *Neurocomputational markers of altered cue-specific exploration in alcohol use disorder*. Cognitive Neuroscience Society, San Francisco, CA, USA.

19. Mullins, T. S., Romero, J. D., Rogge-Obando, K., Eversole, E., Mayer, A. R., Costa, V. D., & Hogeveen, J. (2022). *Dissociable cortico-subcortical circuits underlying exploration driven by novelty versus relative future value*. Cognitive Neuroscience Society, San Francisco, CA, USA.

20. Romero, J. D., Mullins, T. S., Rogge-Obando, K., Eversole, E., Mayer, A. R., Costa, V. D., & Hogeveen, J. (2022). *Temporal dynamics of perceptual novelty and exploration bonus encoding during exploration*. Cognitive Neuroscience Society, San Francisco, CA, USA.

21. Hogeveen, J., Aragon, D. F., Campbell, E. M., Romero, J. D., Pearson, E. D., Shuttleworth, C. W., Campbell, R. A., Gill, D., Husain, M., Costa, V. D., Pirio-Richardson, S., Mayer, A. R. (2021) *The cost of flexible decision making and apathy in traumatic brain injury*. Society for Neuroscience.

22. Campbell, E. M., Singh, G., Claus, E. D., Witkiewitz, K. A., Costa, V. D., Hogeveen, J., Cavanagh, J. F. (2021). *Neurocomputational markers of cue-specific exploration in alcohol use disorder*. Society for Neuroscience.

23. Mullins, T. S., & Hogeveen, J. (2021). *Atypical emotional modulation of cognitive control in children with anxiety and high autistic traits*. Society for Neuroscience.

24. Mullins, T. S., Aragon, D. F., Romero, J., Rogge-Obando, K., Eversole, E., Mayer, A. R., Costa, V. D., & Hogeveen, J. (2021). *Childhood Adversity Diminishes Confidence in Value-Based Decisions*. Society for Neuroscience Virtual Connectome.

25. Campbell, E. M., Singh, G., Claus, E., Witkiewitz, K., Costa, V. D., Hogeveen, J., & Cavanagh, J. F. (2021). *Electrophysiological correlates of directed exploration of alcohol cues in individuals with alcohol use disorder*. Society for Neuroscience Virtual Connectome.

26. Hogeveen, J., Mullins, T. S., Romero, J., Rogge-Obando, K., Eversole, E., Mayer, A. R., & Costa, V. D. (2020). *Neural correlates underlying directed exploration in humans revealed via model-based fMRI*. American College of Neuropsychopharmacology, virtual conference.

27. Hogeveen, J., & Costa, V. D. (2020). *Neural circuits underlying novelty-driven exploration in humans revealed through model-based fMRI*. Gordon Research Conference – Neurobiology of Cognition, Newry, ME, USA. *Cancelled due to COVID19 pandemic*.

28. Mullins, T. S., Romero, J., Eversole, E., Costa, V. D., & Hogeveen, J. (2020). *Childhood adversity modulates motivation circuits and reward exploration*. Society for Affective Science, San Francisco, CA, USA. *Cancelled due to COVID19 pandemic*.

29. Solomon, M., Krug, M. K., Gordon, A., Wulff, R., Coleman, C., Elliott, M. V., Hogeveen, J., Niendam, T., Ragland, J. D., Carter, C. S. (2019). *Three neural networks sub-serving cognitive control in adolescents and young adults with Autism Spectrum Disorder*. American College of Neuropsychopharmacology, Hollywood, FA, USA.

30. Solomon, M., Krug, M. K., Coleman, C., Elliott, M. V., Hogeveen, J., Wulff, R., Niendam, T., & Ragland, J. D. (2019). *Cognitive control development in ASD: Can research domain criteria (rdoc) help us to better understand behavioural phenotypes and pathophysiology?*. American Academy of Child & Adolescent Psychiatry, Chicago, IL, USA.

31. Hogeveen, J. (2019). *Impact of reward access on motivational neurocircuit development*. Association for Psychological Science, Washington, DC, USA.

32. Hogeveen, J., Krug, M. K., Geddert, R. M., Ragland, J. D., & Solomon, M. (2019). *Hyperactivation of the posterior medial network supports preserved episodic memory in adolescents with autism spectrum disorder.* International Society for Autism Research, Montreal, QC, Canada.

33. Gordon, A., Hogeveen, J., Geddert, R. M., Krug, M. K., & Solomon, M. (2019). *Not so automatic imitation: Expectation of incongruence reduces interference in both autism spectrum disorder and typical development.* International Society for Autism Research, Montreal, QC, Canada.

34. Krug, M. K., Elliott, M. V., Coleman, C. C., Hogeveen, J., & Solomon, M. (2019). *Proactive control preserved but related to psychopathology in adolescents and young adults with autism spectrum disorder*. International Society for Autism Research, Montreal, QC, Canada.

35. Geddert, R. M., Gordon, A. J., Krug, M. K., Hogeveen J., & Solomon, M. (2019). *Not so automatic imitation: Expectation of incongruence reduces interference in both autism spectrum disorder and typical development.* Cognitive Neuroscience Society, San Francisco, CA, USA.

36. Solomon, M., Krug, M., Coleman, C., Elliot, M. V., Hogeveen, J., Niendam, T., Ragland, J. D., & Carter, C. S. (2019). *Mistimed network connectivity associated with cognitive control*

deficits in adolescents and young adults with ASD. American College of Neuropsychopharmacology, Hollywood, FA, USA.

37. Hogeveen, J., Krug, M. K., & Solomon, M. (2018). *Individual differences in preserved cognitive control and episodic memory dissociate cognitive profiles in autism spectrum disorder*. Psychonomic Society, New Orleans, LA, USA.

38. Geddert, R. M., Krug, M. K., Reinhardt, V. P., Hogeveen, J., Niendam, T. A., Ferrer, E., Hessl, D., & Solomon, M. (2018). *Adolescents and young adults with autism spectrum disorder show specific impairments in cognition*. Society for Neuroscience, San Diego, CA, USA.

39. Hogeveen, J., Krug, M. K., Elliott, M. V., & Solomon, M. (2018). *Salience network aberrations underlying internalizing psychopathology in autism spectrum disorder*. Society for Affective Science, Los Angeles, CA, USA.

40. Krug, M. K., Hogeveen, J., Coleman, C. C., Elliott, M. V., Gam, S., Carter, C. S., & Solomon, M. (2018). *Dissociating proactive and reactive control in adolescents and young adults with autism spectrum disorder*. Cognitive Neuroscience Society, Boston, MA, USA.

41. Hogeveen, J., Krug, M. K., Elliott, M. V., Carter, C. S., & Solomon, M. (2017). *Proactive cognitive control as a double-edged sword in autism spectrum disorder*. American College of Neuropsychopharmacology, Palm Springs, CA, USA.

42. Solomon, M., Krug, M. K., Coleman, C. C., Elliott, M. V., Hogeveen, J., Niendam, T. A., Ragland, J. D., & Carter, C. S. (2017). *Adolescents and young adults with autism spectrum disorder show differences in dynamics and recruitment of cognitive control networks*. American College of Neuropsychopharmacology, Palm Springs, CA, USA.

43. Hogeveen, J., Ragland, J. D., Lesh, T. A., Niendam, T. A., Carter, C., Krug, M. K., Solomon, M. (2017). *Distinct neural systems associated with item and relational encoding impairments in ASD*. International Meeting for Autism Research, San Francisco, CA, USA.

44. Hogeveen, J., Elliot, M., Nordahl, C. W., Krug, M. K., Solomon, M. (2017). *Inflexible cognitive control processes in children with autism spectrum disorder*. Cognitive Neuroscience Society, San Francisco, CA, USA.

45. Elliott, M. V., Krug, M. K., Coleman, C. C., Hogeveen, J., Farren, J., Farrens, A., Ragland, J. D., Niendam, T. A., Carter, C. S., & Solomon, M. (2017). *Adolescents and young adults with autism spectrum disorder show differences in dynamics and recruitment of cognitive control networks*. Cognitive Neuroscience Society, San Francisco, CA, USA.

46. Hogeveen, J., Bird, G., Chau, A., Krueger, F., & Grafman, J. (2016). *Anterior insula lesions disrupt emotional awareness*. Association for Psychological Science, Chicago, IL, USA.

47. Hogeveen, J., Grafman, J., David, A., Bikson, M., & Hauner, K. K. (2015). *High-definition transcranial direct current stimulation to right inferior frontal cortex improves response inhibition*. Society for Neuroscience, Chicago, IL, USA.

48. Hogeveen, J., Grafman, J., David, A., Bikson, M., & Hauner, K. K. (2015). *Context-dependent improvement of inhibitory control through transcranial direct current stimulation*. The Psychonomic Society, Chicago, IL, USA.

49. Hogeveen, J., Hauner, K. K., Chau, A., Krueger, F., & Grafman, J. (2015). *A valuation-based mechanism for increased apathy following ventromedial prefrontal damage*. Society of Neuroeconomics, Miami, FL, USA. – *Poster Spotlight Flash Talk*.

50. Hogeveen, J., Hauner, K. K., Chau, A., Krueger, F., & Grafman, J. (2015). *A valuation-based mechanism for increased apathy following ventromedial prefrontal damage*. Northwestern University Postdoctoral Forum, Evanston, IL, USA.

51. Bancroft, T. D., Hockley, W. E., Servos, P., & Hogeveen, J. (2014). *Simulating stimulus-and TMS-induced interference in short-term memory using a model of prefrontal cortex*. Computational Neuroscience, Québec City, Québec, Canada.

52. Hogeveen, J., Obhi, S. S., Banissy, M. J., Press, C., Catmur, C., & Bird, G. (2014). *Stimulating inferior frontal cortex improves the control of imitation*. Cognitive Neuroscience Society, Boston, MA, USA.

53. Hogeveen, J., Obhi, S. S., Banissy, M. J., Press, C., Catmur, C., & Bird, G. (2013). *Stimulating self-other control with transcranial direct current*. Southern Ontario Neuroscience Association, Toronto, Ontario, Canada.

54. Hogeveen, J., Chartrand, T. L., & Obhi, S. S. (2012). *The chameleon in the mirror: Being mimicked modulates motor resonant EEG activity*. Society for Neuroscience, New Orleans, LA, USA.

55. Hogeveen, J., Inzlicht, M, & Obhi, S. S. (2012). *Power modulates resonance with observed actions*. Southern Ontario Neuroscience Association, Toronto, Ontario, Canada.

56. Hogeveen, J., Inzlicht, M, & Obhi, S. S. (2012). *This is your brain on power: Activating high power decreases motor resonance during action observation*. Cognitive Neuroscience Society, Chicago, IL, USA.

57. Hogeveen, J., & Obhi, S. S. (2011). *Social interaction primes biologically specific motor resonance: A TMS study*. Joint Action Meeting, Vienna, Austria.

58. Hogeveen, J., & Obhi, S. S. (2010). *Investigating the relationship between motor resonance and nonconscious mimicry*. Social & Affective Neuroscience Society, Chicago, IL, USA.

59. Hogeveen, J., & Obhi, S. S. (2010). *Motor priming and the chameleon effect*. Canadian Society for Brain, Behaviour, & Cognitive Science, Halifax, NS, Canada.

MENTORSHIP (ALPHABETICAL)

<u>Mentored Postdoctoral Scientists (1)</u>

Dr. Rohit Yadav (Spring 2025—Present)

Mentored Graduate Students (4)

Ethan Campbell (MSc, completed, 2021; PhD, proposed, 2024)
Caitlin Enders (MSc, proposed, 2023)
Dr. Teagan Mullins (MSc, completed, 2022; PhD, completed, 2024)
Cidney Robertson-Benta (MSc, completed, 2024)

Undergraduate Honors Students (4)

Lauren Brown (Completed, Spring 2024)
Katie James (Completed, Spring 2023)
Araceli Lewis (Completed, Spring 2022)
Kevin Diegel (Completed, Spring 2020)

Psychology Research Experience Program (PREP) Scholars (1)

Ebony Pearson (Summer 2020—Summer 2021)

McNair Scholars (1)

Krystal Nizhoni Lapahie (Spring 2025—Present)

Arts & Sciences Support for Undergraduate Research Experience (ASSURE) Scholars (1)

Abigail Stewart (Fall 2022—Spring 2023)

El Puente Scholars (1)

Brandon Chavarria Salazar (Fall 2022—Spring 2023)

NM Computational Neuroscience Pipeline Scholars (funding NSFCAREER, BCS2237795) (2)
Renée Petrie (Fall 2024—Spring 2025)
Kylie Garcia (Summer 2025)

Research Assistants (21)

Graduate:
Breannan Howell (Summer 2018—Summer 2019)

Undergraduate:
Adam Clark (Spring 2019)
Donna Bacon (Summer 2019—Fall 2019)
Ankita Dey (Fall 2019—Spring 2021)
Carina Echave (Spring 2023—Fall 2023)
Elizabeth Eversole (Summer 2019—Summer 2020)
Adrianna Hernandez (Spring 2025—Present)

Angela Hristopoulos (Spring 2023—Fall 2023)
Madison Kalfsbeck (Spring 2024)
Miles Perez (Fall 2021—Spring 2022)
Genesys Pineda (Fall 2023—Spring 2024)
Kamila Rios (Summer 2023)
Kimberly Rogge-Obando (Fall 2019—Summer 2021)
John Romero (Summer 2019—Spring 2021)
Freshness Uzo-Hez (Spring 2024)

Postbaccalaureate:

Manar Al-Nouman (Spring 2023—Fall 2024)
Denicia Aragon (Spring 2020—Summer 2021)
Lauren Brown (Summer 2024—Present)
Margaret Austin (Spring 2023—Summer 2025)
Cinthia Mendoza (Fall 2023—Present)
John Romero (Spring 2021—Spring 2023)

External & Departmental Mentorship:

PhD Dissertation Committee (16)

Laura Berkowitz, Benjamin Clark trainee (Defended, Spring 2021)
Darin Brown, James Cavanagh trainee (Defended, Spring 2019)
Tia Donaldson, Benjamin Clark trainee (Defended, Spring 2024)
Benjamin Gibson, Vincent Clark trainee (Defended, Spring 2023)
Monica Goncalves-Garcia, Derek Hamilton trainee (Defended, Spring 2024)
Ryan Harvey, Benjamin Clark trainee (Defended, Spring 2021)
Breannan Howell, Derek Hamilton trainee (Defended, Spring 2022)
Trevor Jackson, James Cavanagh trainee (Defended, Spring 2023)
Michael Maurer, Kent Kiehl trainee (Defended, Summer 2019)
Joshua Maxwell, Eric Ruthruff trainee (Defended, Spring 2022)
Christopher Pirrung, James Cavanagh trainee (Defended, Summer 2024)
Nicole Reyna, Derek Hamilton trainee (Defended, Spring 2025)
Bradley Robert, Vincent Clark trainee (Proposed, Fall 2023)
Danielle Sanchez-Combs, Eric Ruthruff trainee (Defended, Fall 2023)
Kaitlyn Schodt, Bruce Smith trainee (Defended, Spring 2023)
Garima Singh, James Cavanagh trainee (Defended, Fall 2023)

External Examiner (1)

Sarah Boukarras, Matteo Candidi trainee (University of Rome “La Sapienza”, Fall 2019)

Comprehensive Examination Committee (10)

Trevor Jackson, James Cavanagh trainee (Defended, Summer 2022)
Mark Lavelle, James Cavanagh trainee (Defended, Spring 2025)
Carlos Maestas-Olguin, Nathan Pentkowski trainee (Defended, Fall 2023)
Joshua Maxwell, Eric Ruthruff trainee (Defended, Fall 2019)

Christopher Pirrung, James Cavanagh trainee (Defended, Fall 2023)
Nicole Reyna, Derek Hamilton trainee (Defended, Fall 2023)
Samantha Rodriguez, Kent Kiehl Trainee (Proposed, Spring 2025)
Julia Sheronova, Claudia Tesche trainee (Proposed, Spring 2025)
Garima Singh, James Cavanagh trainee (Defended, Spring 2023)
Hector Valverde, Vince Clark trainee (Proposed, Summer 2025)

MSc Thesis Committee (14)

Gabriela Acosta, Benjamin Clark trainee (Defended, Spring 2024)
Katherine Edwards, Steve Verney trainee (Defended, Fall 2024)
Monica Goncalves-Garcia, Derek Hamilton trainee (Defended, Spring 2022)
Kamille Hackett, Eric Ruthruff trainee (Proposed, Fall 2022)
John T Madden, Nathan Pentkowski trainee (Defended, Spring 2020)
Christopher Pirrung, James Cavanagh trainee (Defended, Fall 2022)
Mark Lavelle, James Cavanagh trainee (Defended, Spring 2023)
Nicole Reyna, Nathan Pentkowski trainee (Defended, Spring 2022)
Bradley Robert, Vincent Clark trainee (Defended, Summer 2020)
Samantha Rodriguez, Kent Kiehl trainee (Defended, Spring 2023)
Garima Singh, James Cavanagh trainee (Defended, Fall 2021)
Regina Tahk, Joshua Grubbs trainee (Defended, Spring 2025)
Palmer Tirrell, Eric Ruthruff trainee (Proposed, Fall 2022)
Hector Valverde, Vince Clark trainee (Defended, Spring 2025)

TEACHING

University of New Mexico (2018—pr.)
Cognitive Neuroscience (PSY450)
Data Science in Psychology & Neuroscience (PSY450/650—undergrad/grad crosslist)
Human Neuropsychology (PSY344)
Human Learning & Memory (PSY360)
Seminar in Cognition, Brain, & Behavior (PSY641)

University of Guelph (2014)
Memory (PSYC3330)

Wilfrid Laurier University (2009—2012)
Research in Perception (PS462)
Teaching Assistant, Introduction to ANOVA (PS395)
Teaching Assistant, Introduction to Linear Models (PS394)
Teaching Assistant, Introduction to Statistics (PS296)
Teaching Assistant, Intro to Research Methods (PS295)
Teaching Assistant, Cognitive Neuroscience of Action (PS330)
Teaching Assistant, Research in Cognitive Psychology (PS460)

LEADERSHIP AND SERVICE

(Chronological order, latest-to-earliest based on start date)

Present Roles:	Undergraduate Research Committee (Chair) Performance Review committee UNM FIRST Mentorship team Quad-L Fund Committee Psychology Clinical Neuroscience Center (PCNC) Executive Committee Diversity Committee
Past Roles:	Strategic Planning Committee (College-Level Service) UNM Center on Alcohol, Substance use, And Addictions (Faculty Search) Multicultural Clinical Psychology (Faculty Search) UNM FIRST Department of Psychology (Faculty Search) UNM FIRST Hiring Committee Colloquium Committee (Chair) Admissions Committee Computer/Web Committee SONA Committee Faculty/Student Idea Exchange Committee Honors Committee Human Subjects Committee