

KAROLINA M. LEMPERT

Gordon F. Derner School of Psychology
Adelphi University
Blodgett Hall 212B
Garden City, NY 11530
Tel: 516-877-4757
kmlempert@adelphi.edu

EMPLOYMENT

- 2022 – present** Assistant Professor
Gordon F. Derner School of Psychology
Adelphi University, Garden City, NY
- 2016 – 2021** Postdoctoral Fellow
Department of Psychology and Penn Memory Center
University of Pennsylvania, Philadelphia, PA
Advisors: Joseph W. Kable, Ph.D. (Primary) & David A. Wolk, M.D.

EDUCATION

- 2011 – 2016** Doctor of Philosophy in Psychology
Program in Cognition and Perception
New York University, New York, NY
Thesis Title: *Affect modulates intertemporal choice*
Thesis Advisor: Elizabeth A. Phelps, Ph.D.
- 2005 – 2009** Bachelor of Arts in Neurobiology
Harvard University, Cambridge, MA

FELLOWSHIPS AND RESEARCH GRANTS

*(My role is Principal Investigator, unless otherwise noted. *Indicates grants that I co-wrote but that I was not the Principal Investigator on).*

- 2023** Derner School of Psychology Dean's Summer Research Grant (\$4K total direct costs)
- 2023 – 2024** Adelphi University Faculty Development Grant (\$3.5K total direct costs)
- 2023 – 2026** National Institute on Aging / NIH
R15AG080449 (\$300K total direct costs)
- 2020 – 2022** Junior Investigator Preliminary/Feasibility Grant; Penn Institute for Translational Medicine & Therapeutics (\$15K direct costs)
- 2017 – 2020** Ruth L. Kirschstein National Research Service Award Individual Fellowship
- 2017 – 2020** Scientific Research Network on Decision Neuroscience and Aging pilot study grant (Subaward PI: Lempert, on Samanez-Larkin R24-AG; \$30K direct costs).

2017 – 2022*	National Institute on Aging / NIH RF1AG058065 (PIs: Kable/Wolk; \$2M direct costs)
2017 – 2018*	University of Pennsylvania Institute on Aging and Alzheimer’s Disease Core Center pilot study grant (Subaward PI: Kable, on Trojanowski P30- AG; \$50K direct costs)
2016 – 2018*	Wharton Pension Research Council / Boettner Institute / TIAA-CREF research project competition (PIs: Mitchell/Kable)
2015, 2016	NYU Center for Brain Imaging Pilot Research Grant (2x recipient)
2014	NYU Katzell Fellowship in Psychology for summer research
2013 – 2016	National Science Foundation Graduate Research Fellowship
2008	Harvard University Mind/Brain/Behavior Mary Gordon Roberts Fellowship
2007, 2008	Harvard College Research Program grant for independent research (3x recipient)

AWARDS AND HONORS

2024	National Academy of Sciences Kavli Fellow
2024	Adelphi University Summer Professional Development Award
2021	Association for Psychological Science Rising Star Award
2017	SRNDNA Summer School in Social Neuroscience and Neuroeconomics (all expenses paid)
2017	SRNDNA “Human Neuroimaging Methods and Best Practices” Workshop Travel Award
2016	University of Rochester “Persistent Maladaptive Behaviors” Symposium Travel Award
2016	Douglas H. & Katharine Fryer Thesis Fellowship for Best Doctoral Thesis in Psychology
2015	Society for Biological Psychiatry Predoctoral Scholars Travel Grant (awarded, but declined)
2015	Shanghai Neuroeconomics Summer School (all expenses paid)
2014	NYU Graduate School of Arts and Sciences Dean’s Student Travel Grant
2014	NIMH Summer Institute in Cognitive Neuroscience Fellowship (all expenses paid)
2013	Kavli Foundation Student Travel Grant for Neuroeconomics conference
2012	Honorable Mention, National Science Foundation Graduate Research Fellowship

PEER-REVIEWED PUBLICATIONS

31. **Lempert, K.M.**, Huber, B., Batistuzzo, M.C., Sheshachala, K., Hezel, D.M., de Joode, N.T., Marincowitz, C., Lochner, C., Stein, D.J., Narayanaswamy, J.C., van den Heuvel, O.A., Wall, M., Simpson, H.B. (2024). Delay discounting and risk tolerance in obsessive-compulsive disorder: results from the Global OCD study. *Clinical Psychological Science*. <https://doi.org/10.1177/21677026241289927>

30. Miller, P.†, Kable, J.W., **Lempert, K.M.** (2024). Willingness to wait outperforms delay discounting in predicting drinking severity. *Journal of the Experimental Analysis of Behavior*. <https://doi.org/10.1002/jeab.4210>
29. **Lempert, K.M.**, Parthasarathi, T., Linhares, S., Ruh, N., Kable, J.W. (2024). Positive autobiographical memory recall does not influence temporal discounting: an internal meta-analysis of experimental studies. *Journal of Economic Psychology*, 103, 102730. <https://doi.org/10.1016/j.joep.2024.102730>
28. **Lempert, K. M.***, Schaefer, L.*, Breslow, D., Peterson, T. D., Kable, J., & McGuire, J.T. (2023). Statistical information about reward timing is insufficient for promoting optimal persistence decisions. *Cognition*, 237, 105468. <https://doi.org/10.1016/j.cognition.2023.105468>
27. **Lempert, K. M.**, Carballeira, C., Sehgal, S., & Kable, J.W. (2023). Pupillometric evidence for a temporal expectations-based account of persistence under temporal uncertainty. *Cognitive, Affective, and Behavioral Neuroscience*, 23, 705-717. <https://doi.org/10.3758/s13415-023-01100-9>
26. **Lempert, K.M.**, Cohen, M.S., MacNear, K.A., Reckers, F.M., Zaneski, L., Wolk, D.A., & Kable, J.W. (2022). Aging is associated with maladaptive episodic memory-guided social decision-making. *Proceedings of the National Academy of Sciences*, 119(42): e2208681119. <https://doi.org/10.1073/pnas.2208681119>
25. Bulley, A., **Lempert, K.M.**, Conwell, C., Irish, M., & Schacter, D.L. (2022). Intertemporal choice reflects value comparison rather than self-control: insights from confidence judgments. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 377(1866): 20210338. <https://doi.org/10.1098/rstb.2021.0338>
24. Batistuzzo, M.C., Sheshachala, K., Alschuler, D.M., Hezel, D.M., Lewis-Fernandez, R., de Joode, N.T., Vriend, C., **Lempert, K.M.**, Narayan, M., Marincowitz, C., Lochner, C., Stein, D.J., Narayanaswamy, J.C., van den Heuvel, O.A., Simpson, H.B., & Wall, M. (2022). Cross-national harmonization of neurocognitive assessment across five sites in a global study. *Neuropsychology*, 37(3), 284-300. <https://doi.org/10.1037/neu0000838>
23. **Lempert, K.M.**, Ramakrishnan, A., Wolf, D.H., & Kable, J.W. (Stage 1 Registered Report, in-principle accepted). Effects of serotonin and dopamine on persistence for delayed rewards in humans. *Nature Communications*.
22. **Lempert, K.M.**, Mechanic-Hamilton, D.J., Xie, L., Wisse, L.E.M., de Flores, R., Wang, J., Das, S.R., Yushkevich, P.A., Wolk, D.A., & Kable, J.W. (2020). Neural and behavioral correlates of episodic memory are associated with temporal discounting in older adults. *Neuropsychologia* 146: 107549. <https://doi.org/10.1016/j.neuropsychologia.2020.107549>

21. **Lempert, K.M.**, MacNear, K.A., Wolk, D.A., & Kable, J.W. (2020). Links between autobiographical memory richness and temporal discounting in older adults. *Scientific Reports* 10: 6431. <https://doi.org/10.1038/s41598-020-63373-1>
20. Rahnev, D.,...**Lempert, K.M.**,...et al. (2020). The confidence database. Resource. *Nature Human Behaviour*, 4, 317-325. <https://doi.org/10.1038/s41562-019-0813-1>
19. **Lempert, K.M.***, Steinglass, J.E.*, Pinto, A., Kable, J.W., & Simpson, H.B. (2019). Can delay discounting deliver on the promise of RDoC? Review. *Psychological Medicine*, 49, 190-99. <https://doi.org/10.1017/S0033291718001770>
18. DiMenichi, B.C., **Lempert, K.M.**, Bejjani, C., & Tricomi, E. (2018). Writing about past failures attenuates cortisol responses and sustained attention deficits following psychosocial stress. *Frontiers in Behavioral Neuroscience*, 12:45. <https://doi.org/10.3389/fnbeh.2018.00045>
17. **Lempert, K.M.**, McGuire, J.T., Hazeltine, D.B., Phelps, E.A., & Kable, J.W. (2018). The effects of acute stress on the calibration of persistence. *Neurobiology of Stress*, 8, 1-9. <https://doi.org/10.1016/j.ynstr.2017.11.001>
16. Diehl, M.M., **Lempert, K.M.**, Parr, A.C., Ballard, I., Steele, V.R., Smith, D.V. (2018). Toward an integrative perspective on the neural mechanisms underlying persistent maladaptive behaviors. Meeting Commentary. *European Journal of Neuroscience*, 48, 1870-1883. <https://doi.org/10.1111/ejn.14083>
15. **Lempert, K.M.**, Lackovic, S.F., Tobe, R.H., Glimcher, P.W., & Phelps, E.A. (2017). Propranolol reduces reference-dependence in intertemporal choice. *Social, Cognitive & Affective Neuroscience*, 12, 1394-1401. <https://doi.org/10.1093/scan/nsx081>
14. **Lempert, K.M.**, Speer, M.E., Delgado, M.R., & Phelps, E.A. (2017). Positive autobiographical memory retrieval reduces temporal discounting. *Social, Cognitive & Affective Neuroscience*, 12, 1584-1593. <https://doi.org/10.1093/scan/nsx086>
13. Steinglass, J.E.*, **Lempert, K.M.***, Choo, T., Wall, M., Walsh, B.T., Fyer, A., Schneier, F., & Simpson, H.B. (2017). Temporal discounting across three psychiatric disorders: Anorexia Nervosa, Obsessive Compulsive Disorder, and Social Anxiety Disorder. *Depression & Anxiety*, 34, 463-470. <https://doi.org/10.1002/da.22586>
12. **Lempert, K.M.** & Kable, J.W. (2017). Separating Identity and Value in the Identity-Value Model. *Psychological Inquiry*, 28, 103-107. <https://doi.org/10.1080/1047840X.2017.1337386>
11. **Lempert, K.M.**, Johnson, E., & Phelps, E.A. (2016). Emotional arousal predicts intertemporal choice. *Emotion*, 16, 647-56. <https://doi.org/10.1037/emo0000168>

10. **Lempert, K.M.** & Phelps, E.A. (2016). The malleability of intertemporal choice. *Trends in Cognitive Sciences*, 20, 64-74. <https://doi.org/10.1016/j.tics.2015.09.005>
9. **Lempert, K.M.** & Tricomi, E. (2016). The value of being wrong: Intermittent feedback delivery alters the striatal response to negative feedback. *Journal of Cognitive Neuroscience*, 6, 1-14. https://doi.org/10.1162/jocn_a_00892
8. Raio, C.M., Goldfarb, E.V., **Lempert, K.M.**, Sokol-Hessner P. (2016). Classifying emotion regulation strategies. *Nature Reviews Neuroscience*, 17, 532. <https://doi.org/10.1038/nrn.2016.78>
7. Reppert, T.R.*, **Lempert, K.M.***, Glimcher, P.W., & Shadmehr, R. (2015). Modulation of saccade vigor during value-based decision-making. *Journal of Neuroscience*, 35, 15369-78. <https://doi.org/10.1523/JNEUROSCI.2621-15.2015>
6. **Lempert, K.M.**, Chen, Y., & Fleming, S.M. (2015). Relating pupil dilation and metacognitive confidence during auditory decision-making. *PLoS One*, 10: e0126588. <https://doi.org/10.1371/journal.pone.0126588>
5. **Lempert, K.M.**, Glimcher, P.W., & Phelps, E.A. (2015). Emotional arousal and discount rate in intertemporal choice are reference dependent. *Journal of Experimental Psychology: General*, 144, 366-73. <https://doi.org/10.1037/xge0000047>
4. Tricomi, E. & **Lempert, K.M.** (2015). Value and probability coding in a feedback-based learning task utilizing food rewards. *Journal of Neurophysiology*, 113, 4-13. <https://doi.org/10.1152/jn.00086.2014>
3. Phelps, E.A., **Lempert, K.M.**, Sokol-Hessner, P. (2014). Emotion and decision-making: Multiple modulatory neural circuits. *Annual Reviews of Neuroscience*, 37, 263-87. <https://doi.org/10.1146/annurev-neuro-071013-014119>
2. **Lempert, K.M.**, Porcelli, A.J., Delgado, M.R., & Tricomi, E. (2012). Individual differences in delay discounting under acute stress: the role of trait perceived stress. *Frontiers in Psychology*, 3, 251. <https://doi.org/10.3389/fpsyg.2012.00251>
1. **Lempert, K.M.** & Pizzagalli, D.A. (2010). Delay discounting and future-directed thinking in anhedonic individuals. *Journal of Behavior Therapy and Experimental Psychiatry*, 41, 258-264. <https://doi.org/10.1016/j.jbtep.2010.02.003>

* indicates equal contribution.

TEXTBOOK CHAPTERS

Lempert, K.M. (forthcoming). The role of memory in temporal discounting in Fareri, D.S., Smith, D.V., Lockwood, P. (eds.) *Neuroeconomics: Core Topics and Current Directions*. Springer Nature. Preprint available at: <https://doi.org/10.31234/osf.io/3t5c4>

Lempert, K.M. (forthcoming). Behavioral economics and neuroeconomics: a brief history and overview in Vijayaraghavan, S., Felsen, G. (eds.) *Neuroscience and Society*. Routledge CRC Press, Taylor & Francis Group.

Lempert, K.M. & Phelps, E.A. (2016). Affect in economic decision-making in Barrett, L.F., Lewis, M., Haviland-Jones, J.M. (eds.) *Handbook of Emotions, Fourth Edition*. New York: Guilford Publications, Inc.

Lempert, K.M. & Phelps, E.A. (2014). Neuroeconomics of Emotion and Decision-Making in Glimcher, P.W. & Fehr, E. (eds.) *Neuroeconomics: Decision making and the Brain, 2nd edition*. London: Elsevier, Inc.

MANUSCRIPTS UNDER REVIEW OR IN REVISION († indicates my trainees)

Akilov, D.†, **Lempert, K.M.** (in revision). Semantic fluency is associated with reduced temporal discounting. *Journal of Memory and Language*.

Garcia Campos L.S.†, **Lempert, K.M.** (under review). Negative news exposure does not affect risk or ambiguity aversion.

Ott, C.A. †, Voce, A., Grinband, J., Lopez-Castro, T., Fertuck, E.A., Stanley, D.A., **Lempert, K.M.** (under review). The borderline personality disorder feature of identity instability predicts temporal discounting in a community sample.

Van Geen, C., Cohen, M.S., **Lempert, K.M.**, MacNear, K.A., Reckers, F.M., Zaneski, L., Wolk, D.A., Kable, J.W. (under review). Neural correlates of age-related changes in social decisions from episodic memory.

INVITED TALKS

2025, March “Interdisciplinary approaches to decision neuroscience.” Invited talk to be given at the Cognitive Neuroscience Society conference. Boston, MA.

2024, Nov “Memory-guided decision making in aging.” Invited talk given at Kessler Foundation Neuroscience Research Colloquium. East, Hanover, NJ.

2023, June “Individual differences in temporal discounting: the role of memory for time.” Invited talk at the Context and Affective Memory Talk Series. Virtual.

2023, March “Relating individual differences in learning to markers of Alzheimer’s disease pathology in older adults.” Invited talk at National Institute on Aging Computational Approaches Workshop. Virtual.

- 2020, May** “Contributions of episodic memory to temporal discounting.” Invited talk at the virtual Neuroeconomics Seminar at the University of Zurich.
- 2020, May** “The role of episodic memory in deciding about the future: implications for healthy and pathological aging.” Invited talk at the International Society for Research on Impulsivity virtual meeting.
- 2020, March** “The relationship between episodic memory function and intertemporal decision-making in older adults.” Invited talk at the Scientific Research Network on Decision Neuroscience and Aging conference. Kapolei, HI.
- 2019, May** “Episodic memory retrieval as a tool to alter temporal discounting.” Invited talk at the Association for Psychological Science 31st Annual Convention. Washington, DC.
- 2019, Feb** “Cognitive abilities supporting decisions about the future.” Invited talk for Philadelphia Neuropsychological Society. Drexel University. Philadelphia, PA.
- 2019, Feb** “The malleability of intertemporal choice.” Invited talk in Lindemann Lectures in Neuroscience series. Adelphi University. Garden City, NY.
- 2018, Oct** “Manipulating intertemporal choice in healthy participants: successes and limitations.” Invited talk in Science of Behavior Change Grand Rounds Speaker Series. Webinar.
- 2018, Sept** “The role of declarative memory in intertemporal choice.” Invited Talk at Center for Behavioral Cardiovascular Health Speaker Series. Columbia University. New York, NY.
- 2018, June** “Interactions between episodic memory and intertemporal choices in older adults.” Invited Talk in TIAA Institute Fellows Symposium, “Behavioral finance and saving: Determinants of retirement readiness.” Washington, DC.
- 2018, May** “Manipulating intertemporal choice in healthy participants: successes and limitations.” Invited talk in Science of Behavior Change symposium at the 26th Annual Meeting of the Society of Prevention Research. Washington, DC.
- 2018, Feb** “Links between episodic memory and intertemporal choice in older adults.” Invited Talk at Rutgers University – Camden Psychology Brown Bag Series. Camden, NJ.
- 2017, Nov** “Interactions between episodic memory and intertemporal choices in older adults.” Invited Talk in TIAA Institute Fellows Symposium, “Behavioral finance and saving: Determinants of retirement readiness.” New York, NY.

- 2016, May** “Affect modulates intertemporal choice.” Invited Talk at Sackler Science Seminar. Sackler Institute for Developmental Psychology. New York, NY.
- 2012, Oct** “Linking emotion to decisions: can pupil dilation predict choices in a temporal discounting task?” Invited Talk at Mini-conference for NSF-STC on Computational Neuroeconomics at California Institute of Technology. Pasadena, CA.

CONFERENCE TALKS AND CHAIRED SYMPOSIA

- 2024, Oct** “Serotonin increases willingness to wait for delayed rewards.” Poster spotlight talk to be given at the 23rd Annual Meeting of the Society for Neuroeconomics. Cascais, Portugal.
- 2024, March** “Incidental positive affect and temporal discounting.” Talk at Society for Affective Science conference. New Orleans, LA.
- 2021, Sept** “Effects of age and medial temporal lobe atrophy on memory-guided decision-making.” Talk at the 19th Annual Meeting of the Society for Neuroeconomics. Virtual.
- 2021, June** “Aging effects on memory-guided social decision-making.” Talk at the 11th Annual Interdisciplinary Symposium on Decision Neuroscience. Virtual.
- 2021, April** “Aging effects on memory-guided social decision-making.” Talk at the 13th Annual Meeting of the Social and Affective Neuroscience Society. Virtual.
- 2019, Oct** “Links between autobiographical memory richness and temporal discounting in older adults.” Talk at 5th Annual Meeting of the Behavioral and Experimental Economists of the Mid-Atlantic (BEEMA). Villanova University. Villanova, PA.
- 2018, Nov** “Neural and behavioral correlates of episodic memory are associated with temporal discounting in older adults.” Talk, Chair, and Organizer of Society for Neuroscience Nanosymposium, “Human Cognition and Behavior: Decision Making and Cognitive Aging.” 48th Annual Meeting of the Society for Neuroscience, San Diego, CA.
- 2018, Oct** “Neural and behavioral correlates of long-term memory are associated with temporal discounting in older adults.” Talk at 16th Annual Meeting of the Society for Neuroeconomics. Philadelphia, PA.
- 2018, June** “Episodic memory ability predicts temporal discounting in older adults.” Talk at 8th Annual Interdisciplinary Symposium on Decision Neuroscience. Ann Arbor, Michigan.

- 2016, Nov** “Cortisol response to acute stress predicts more optimal persistence behavior.” Talk and Co-Chair in Society for Neuroscience Nanosymposium, “Stress and Cognition.” 46th Annual Meeting of the Society for Neuroscience, San Diego, CA.
- 2016, May** “Affect modulates intertemporal choice.” Talk at Manhattan Area Memory Meeting. Columbia University. New York, NY.
- 2015, April** “Positive autobiographical memory retrieval reduces impulsivity.” Talk at 5th Annual Interdisciplinary Symposium on Decision Neuroscience. Cambridge, MA.

POSTER PRESENTATIONS (†*indicates my trainees*)

- Lempert, K.M.**, Zaneski, L., Ramakrishnan, A., Wolf, D.A., Kable, J.W. (2024, October). Serotonin increases willingness to wait for delayed rewards. Poster presented at the 23rd Annual Meeting of the Society for Neuroeconomics. Cascais, Portugal.
- Grant, J.†, Ott, C.A.†, Garcia Campos, L.S.†, Clewett, D., **Lempert, K.M.** (2024, October). Associations between duration memory and temporal discounting. Poster presented at the 23rd Annual Meeting of the Society for Neuroeconomics. Cascais, Portugal.
- Miller, P. †, Konova, A., **Lempert, K.M.** (2024, October). Delay discounting and willingness to wait in individuals with cocaine use disorder. Poster presented at the 23rd Annual Meeting of the Society for Neuroeconomics. Cascais, Portugal.
- Van Geen, C., Cohen, M.S., **Lempert, K.M.**, MacNear, K.A., Reckers, F.M., Zaneski, L., Wolk, D.A., Kable, J.W. (2024, October). Age-dependent changes in hippocampal contributions to decision-making. Poster presented at the 23rd Annual Meeting of the Society for Neuroeconomics. Cascais, Portugal. Winner of Best Poster Award at the conference.
- Akilov, D.†, **Lempert, K.M.** (2024, April). Semantic memory and temporal discounting. Poster presented at the Cognitive Neuroscience Society conference. Toronto, ON, Canada.
- Ott, C.† Voce, A., Grinband, J., Fertuck, E., Lopez-Castro, T., Stanley, D.A., **Lempert, K.M.** (2024, March). Relating temporal discounting to the DSM criteria of borderline personality disorder. Poster presented at Society for Affective Science conference. New Orleans, LA.
- Lempert, K.M.**, Huber, B., Batistuzzo, M.C., Sheshachala, K., Hezel, D.M., de Joode, N.T., Marincowitz, C., Lochner, C., Stein, D.J., Narayanaswamy, J.C., van den Heuvel, O.A., Wall, M., Simpson, H.B. (2024, March). Delay discounting and risk tolerance in obsessive-compulsive disorder: results from the Global OCD study. Poster presented at the National Academy of Sciences Frontiers of Science U.S. Symposium. Irvine, CA.
- Lempert, K.M.**, Huber, B., Batistuzzo, M.C., Sheshachala, K., Hezel, D.M., de Joode, N.T., Marincowitz, C., Lochner, C., Stein, D.J., Narayanaswamy, J.C., van den Heuvel, O.A., Wall, M., Simpson, H.B. (2023, October). Delay discounting and risk tolerance in

obsessive-compulsive disorder: results from the Global OCD study. Poster presented at the 21st Annual Society for Neuroeconomics conference. Vancouver, BC, Canada.

Garcia, L.[†], **Lempert, K.M.** (2023, May). The effects of negative news exposure on risk and ambiguity aversion. Poster presented at the Association for Psychological Science Annual Convention. Washington, DC.

Garcia, L.[†], **Lempert, K.M.** (2023, April). The effects of negative news exposure on risk and ambiguity aversion. Poster presented at Adelphi University Scholarship & Creative Works Conference. Garden City, NY.

Dela Cruz, B.[†], **Lempert, K.M.** (2023, April). The relationship between locus of control and decision making. Poster presented at Adelphi University Scholarship & Creative Works Conference. Garden City, NY.

Lempert, K.M., Cohen, M.S., Van Geen, C., Reckers, F.M., MacNear, K.A., Zaneski, L., Das, S.R., Wolk, D.A., Kable, J.W. (2022, October). Amygdala structural integrity is associated with social feedback-based learning in older adults. Poster presented at the 20th Annual Society for Neuroeconomics conference. Crystal City, VA.

Lempert, K.M., Sehgal, S., Kable, J.W. (2020, October). Pupil dilation reflects individual differences in temporal expectations during persistence for delayed rewards. Poster presented virtually at the 2020 Society for Neuroeconomics conference.

Cohen, M.S., **Lempert, K.M.**, MacNear, K.A., Reckers, F.M., Zaneski, L.A., Wolk, D.A., Kable, J.W. (2020, October). Effects of memory for emotional valence and episodic detail in decision-making in aging. Poster presented virtually at the 2020 Society for Neuroeconomics conference.

Lempert, K.M., Sehgal, S., Kable, J.W. (2020, August). Associations between memory search strategies and temporal discounting. Poster presented virtually at the 2020 Context in Episodic Memory Symposium.

Lempert, K.M., Kable, J.W. (2019, July). Physiological correlates of individual differences in willingness-to-wait for delayed rewards. Poster presented at the 4th Multidisciplinary Conference on Reinforcement Learning and Decision Making. Montreal, Quebec, Canada.

Lempert, K.M., Wolk, D.A., Kable, J.W. (2017, October). Episodic memory ability predicts temporal discounting in older adults. Poster presented at the 15th Annual Meeting of the Society for Neuroeconomics. Toronto, Ontario, Canada.

Lempert, K.M., Speer, M.E., Delgado, M.R., Phelps, E.A. (2016, August). Positive autobiographical memory retrieval effects on temporal discounting: neural mechanisms. Poster presented at the 14th Annual Meeting of the Society for Neuroeconomics. Berlin, Germany.

- Steinglass, J.E., **Lempert, K.M.**, Choo, T., Wall, M., Walsh, B.T., Fyer, A., Schneier, F., Simpson, H.B. (2016, May). Delay of gratification across Anorexia Nervosa, Obsessive Compulsive Disorder, and Social Anxiety Disorder. Poster presented at the Annual Meeting of the Society of Biological Psychiatry. Atlanta, GA.
- Lempert, K.M.**, McGuire, J.T., Hazeltine, D.B., Kable, J.W., Phelps, E.A. (2016, April). The effects of stress on the calibration of persistence. Poster presented at the Annual Meeting of the Social and Affective Neuroscience Society. New York, NY.
- Lempert, K.M.**, McGuire, J.T., Hazeltine, D.B., Kable, J.W., Phelps, E.A. (2016, April). The effects of stress on the calibration of persistence. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society. New York, NY.
- Lempert, K.M.**, Lackovic, S. F., Tobe, R.H., Glimcher, P.W., Phelps, E.A. (2015, October). Propranolol influences reference-dependence in intertemporal choice. Poster presented at the 45th Annual Meeting of the Society for Neuroscience. Chicago, IL.
- Lempert, K.M.**, Lackovic, S. F., Tobe, R.H., Glimcher, P.W., Phelps, E.A. (2015, September). Propranolol reduces reference-dependence in intertemporal choice. Poster presented at the 13th Annual Meeting of the Society for Neuroeconomics. Miami, FL.
- Lempert, K.M.**, Speer, M.E., Delgado, M.R., Phelps, E.A. (2015, May). Positive autobiographical memory retrieval reduces impulsivity. Poster presented at the 27th Annual Association for Psychological Science Convention. New York, NY.
- Lempert, K.M.**, Speer, M.E., Delgado, M.R., Phelps, E.A. (2015, April). Positive autobiographical memory retrieval reduces impulsivity. Poster presented at the 7th Annual Meeting of the Social and Affective Neuroscience Society. Boston, MA.
- Lempert, K.M.**, Johnson, E., Phelps, E.A. (2014, September). Emotional arousal to future monetary rewards predicts choice. Poster presented at the 12th Annual Meeting of the Society for Neuroeconomics. Miami, FL.
- Lempert, K.M.**, Johnson, E., Phelps, E.A. (2014, May). Emotional response to future monetary rewards predicts choice. Poster presented at the 26th Annual Association for Psychological Science Convention. San Francisco, CA.
- Lempert, K.M.**, Glimcher, P.W., Phelps, E.A. (2013, September). Reference-dependence in intertemporal choice. Poster presented at the 11th Annual Meeting of the Society for Neuroeconomics. Lausanne, Switzerland.
- Lempert, K.M.** & Phelps, E.A. (2012, October). Pupil dilation predicts choices in a temporal discounting task. Poster presented at the 42nd Annual Meeting of the Society for Neuroscience. New Orleans, LA.

Lempert, K.M. & Tricomi, E. (2011, November). Intermixing trials with feedback and no feedback alters the striatal signal to negative feedback. Poster presented at the 41st Annual Meeting of the Society for Neuroscience. Washington, DC.

Lempert, K.M. & Tricomi, E. (2010, November). Neural coding of the value and probability of negative feedback in a learning task utilizing food rewards. Poster presented at the 40th Annual Meeting of the Society for Neuroscience. San Diego, CA.

Dutra, S.J., Goetz, E., Brooks, N., **Lempert, K.M.**, Pizzagalli, D.A. (2010, May). Reward learning in a remitted depressed sample: effects of assessment technique and gender. Poster presented at the 22nd Annual Association for Psychological Science Convention. Boston, MA.

Lempert, K.M. & Pizzagalli, D.A. (2009, September). Delay discounting and future-directed thinking in anhedonic individuals. Poster presented at the 23rd Annual Meeting of the Society for Research in Psychopathology. Minneapolis, MN.

Dutra, S., Brooks, N., **Lempert, K.M.**, Guardado, A., Goetz, E. & Pizzagalli, D.A. (2009, September). Trait negative affect predicts reward responsiveness in a remitted depressed sample. Poster presented at the 23rd Annual Meeting of the Society for Research in Psychopathology. Minneapolis, MN.

TEACHING

Adelphi University Undergraduate & Graduate Courses:

- **Independent Study in Computational Psychiatry** (doctoral course):
 - Spring 2024 (enrollment: 2 students)
- **Research Case Conference** (doctoral course):
 - Fall 2023 (enrollment: 7 students)
- **Cognitive Psychology** (undergraduate course):
 - Spring 2022 (enrollment: 35 students)
 - Fall 2022 (enrollment: 35 students)
 - Spring 2023 (enrollment: 35 students)
 - Fall 2023 (enrollment: 35 students)
- **Cognition & Affect** (doctoral course):
 - Fall 2023 (enrollment: 20 students)
- **Advanced Topics in Cognitive Neuroscience** (undergraduate course):
 - Spring 2022 (enrollment: 18 students)
 - Spring 2023 (enrollment: 26 students)
 - Spring 2024 (enrollment: 25 students)
- **Writing in Psychology** (undergraduate course):
 - Fall 2022 (enrollment: 18 students)

University of Pennsylvania Undergraduate Course:

- **Introduction to Cognitive Science** (undergraduate course, University of Pennsylvania):
 - Fall 2019 (enrollment: 200 students)

Guest Lecturer:

- **Neuroeconomics Summer School** (summer program for advanced graduate students and postdocs). Topic: “Emotion and decision-making.” Philadelphia, PA: Summer 2023
- **Neuroscience of Decision Making** (graduate course, Queen’s University, Canada). Topic: “Individual differences in intertemporal decision-making.” Virtual: Spring 2023
- **Cognitive & Behavioral Neuroscience Capstone Seminar** (undergraduate course, Villanova University). Topic: “Functional MRI study design and basic data analysis.” Villanova, PA: Fall 2018.
- **Introduction to Cognitive Science** (undergraduate course, University of Pennsylvania). Topic: “Judgment and Decision Making.” Philadelphia, PA: Fall 2017
- **Shanghai Neuroeconomics Summer School** (summer program for advanced graduate students and postdocs). Topic: “Emotion and decision-making.” Shanghai, China: Summer 2017
- **Introduction to Psychology** (undergraduate course, New York University). Topic: “Cognition.” New York, NY: Spring 2015.
- **Cognitive Neuroscience** (undergraduate course, New York University). Topic: “Neuroscience of Decision Making.” New York, NY: Fall 2012.

Teaching Assistant:

- **Integrated Studies 1: Decisions and Learning** (undergraduate course, University of Pennsylvania): Fall 2018
- **Introduction to Cognitive Science** (undergraduate course, University of Pennsylvania): Fall 2017
- **Shanghai Neuroeconomics Summer School** (summer program for advanced graduate students and postdocs): Summer 2017
- **Introduction to Psychology** (undergraduate course, New York University): Spring 2015
- **Cognition** (undergraduate course, New York University): Spring 2014
- **Cognitive Neuroscience** (undergraduate course, New York University): Fall 2012

MENTORING

Adelphi University

Graduate Students

2024 – present	Avital (Tali) Miller, Clinical PhD program
2024 – present	Luis Sebastian Garcia Campos, Clinical PhD program
2022 – present	Jonathan Grant, Clinical PhD program
2022 – present	Pazia Miller, Clinical PhD program

Research Assistants and Research Scholars

2023 – present	Chloe Ott
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2023 – 2024 Federica Procida, Visiting Research Scholar, University of Chieti, Italy

Undergraduate Students

2024 – present Oliver Poole, Emerging Scholars Program

2024 – present Heather Gittelson, Emerging Scholars Program, Honors Student
Winner of the 2024 Adelphi Summer Research Fellowship, from the Office of Undergraduate Research & Creative Works, Adelphi University

2023 – present Danielle Akilov, Emerging Scholars Program, Honors Student

2022 – 2024 Luis Sebastian Garcia Campos, Emerging Scholars Program

2022 – 2023 Brianna dela Cruz, Emerging Scholars Program

2022 Rachel Zweig, *Emory University*, summer volunteer

Graduate Student Thesis Committees (Adelphi)

2024 – present Jordan Dejoie, Clinical PhD program

2024 – present Lindsey Wolfram, Clinical PhD program

2023 – present Andrea Pereyra, Clinical PhD program

2023 – present Talia Schiff, Clinical PhD program

2023 – present Wei-Qian Wang, Clinical PhD program

Graduate Student Thesis Committees (external reader)

2024 – present Moc Tran, PhD program in
INSEAD Business School
Paris, France

2023 Lisa Bas, PhD program in Cognitive Neuroscience
Queen's University, Canada

2018 – 2020 Usha Persaud, PhD program in Clinical Psychology
Fairleigh Dickinson University, NJ.

Undergraduate Student Thesis Committees (Adelphi)

2024 – 2025 Caroline Seifen, Neuroscience

2024 – 2025 Heather Gittelson, Neuroscience (**Chair**)

2024 – 2025 Athena Stockdale, Psychology

2023 – 2024 Danielle Akilov, Neuroscience (**Chair**)

2023 – 2024 Christina DeLuca, Neuroscience

2023 – 2024 Katherine Ackley, Economics

2023 – 2024 Carmen Lima, Neuroscience

2022 – 2023 Thomas Joseph, Biology

2022 – 2023 Catherine Desiderio, English

University of Pennsylvania

2021 Andy Garcia, *Florida International University*, Summer Undergraduate Internship Program

2021 Alexandra Vlasenkova, *University of Pennsylvania*

2020 – 2022 Yifei Pei, Honors Student, *University of Pennsylvania*

Winner of College Alumni Society Prize in Cognitive Science (Best Thesis in Cognitive Science)

- 2020** Ritin Pachnanda, *University of Pennsylvania*, Penn Undergraduate Research Mentoring Program
- 2019 – 2022** Ilyssa Delos Reyes, *University of Pennsylvania*
- 2019 – 2021** Sakshi Sehgal, *University of Pennsylvania*
- 2019 – 2020** Nabil Khan, *University of Pennsylvania*
- 2018** Caroline Carballeira, *University of Pennsylvania*
- 2018** Felipe Parodi, *University of Miami*, Summer Undergraduate Internship Program
Currently a PhD student at the University of Pennsylvania
- 2018** Madeleine Grunde-McLaughlin, *University of Pennsylvania*
- 2017 – 2018** Samantha Linhares, Honors Student, *University of Pennsylvania*
Winner of College Alumni Society Prize in Cognitive Science (Best Thesis in Cognitive Science)
Winner of Scientific Research Network on Decision Neuroscience and Aging Diversity Summer Research Award
- 2017** Natalia Ruh, *University of Pennsylvania*

New York University

- 2014 – 2016** Danielle Hazeltine, Honors Student, *New York University*
Best poster, NYU Undergraduate Research Conference
- 2013 – 2015** Shivani Patel, *New York University*
- 2014** Julia Honoroff, *University of Wisconsin-Madison*
- 2013 – 2014** Eli Johnson, *New York University*
Best talk, NYU Undergraduate Research Conference
- 2012-2013** Shira Moskowitz, Honors Student, *New York University*
- 2012-2013** Yu Lin (Daniel) Chen, *New York University*
- 2013** Vittorio Bisin, *New York University*
- 2012** Daphne Pariser, *Flagler College*

Rutgers University

- 2009-2012** Usha Persaud, *Rutgers University*
- 2010-2011** Mehul Patel, *Rutgers University*

ADELPHI UNIVERSITY SERVICE

- 2024 – present** Co-Chair, Emerging Scholars Program (Derner committee)
- 2024 – present** Co-Chair, Scholarship & Creative Works Conference Committee (university committee)
- 2022 – present** Member, Research Standards Committee (Derner committee)
- 2022 – present** Member, Neuroscience Committee (Derner committee)
- 2022 – 2024** Member, Scholarship & Creative Works Conference Committee (university committee)
- 2023 – 2024** Member, Neuroscience Search Committee (Derner committee)

PEER REVIEW (JOURNAL ARTICLES)

Acta Psychologica	Journal of Neuroscience
American Psychologist	Journal of Neuroscience, Psychology, and Economics
Behavioral Neuroscience	Judgment and Decision Making
Behavioural Brain Research	Motivation Science
Biological Psychiatry: CNNI	Nature Human Behaviour (co-review w/ Kable)
BioMed Central Psychiatry Psychological Science	Neurobiology of Aging
Canadian Journal of Behavioral Science	Neurobiology of Stress
Cognition	Neuropsychologia
Cognition and Emotion	Neuropsychopharmacology
Cognitive, Affective and Behavioral Neuroscience	Nicotine & Tobacco Research (co-review w/ Kable)
Consciousness and Cognition	Personality and Individual Differences
eLife (co-review with Kable)	PLOS Biology
Emotion	PLOS One
Experimental Psychology	Psychiatry Research: Neuroimaging
Frontiers in Psychiatry	Psychological Bulletin
Human Brain Mapping	Psychoneuroendocrinology
JAMA Psychiatry	Psychonomic Bulletin & Review
Journal of Economic Behavior and Organization	Psychophysiology
Journal of Experimental Psychology: Applied	Quarterly Journal in Experimental Psychology
Journal of Experimental Psychology: General	Scientific Reports
Journal of Experimental Psychology: LMC	Social Cognitive and Affective Neuroscience
Journal of Experimental Social Psychology	Social Psychological and Personality Science
Journal of General Psychology	Wiley Interdisciplinary Reviews: Cognitive Science
Journal of Gerontology: Psychological Sciences	

PROFESSIONAL SERVICE AND FUNDING REVIEW

- 2022 – 2027** Advisory Board member, Scientific Research Network on Decision Neuroscience. Duties include: organizing Computational Modeling Workshop (Summer 2024), Aging Summer Diversity Grant Review (Spring 2023), Pilot grant program administration (Fall 2023).
- 2022 – 2025** Board member, Society for Neuroeconomics. Duties include: Program Committee Chair, Society for Neuroeconomics conference (2023 – 2025), Chairing symposia at Society for Neuroeconomics conference (2022, 2023), Biannual attendance at board meetings.
- 2023** Textbook Review for W.W. Norton: *Cognition: Exploring the Science of the Mind* by Daniel Reisberg
- 2023** Grant Review for National Science Foundation
- 2022** Grant Review for Scientific Research Network on Decision Neuroscience and Aging
- 2022** Grant Review for National Science Foundation CAREER Award
- 2022** Program Committee, Society for Neuroeconomics Conference
- 2022** Program Committee, Social and Affective Neuroscience Conference
- 2021** Grant Review for Austrian Science Fund – Erwin Schroedinger Fellowship
- 2021** Grant Review for National Science Foundation CAREER Award

- 2018** Grant Review for Scientific Research Network on Decision Neuroscience and Aging
2018 Review for *Routledge Handbook of Emotion Theory*
2017 Revision of *Emotion* chapter in *Cognitive Neuroscience: 5th Edition* (eds. Gazzaniga, Ivry, Mangun)

PRE-GRADUATE RESEARCH EXPERIENCE

- 2009 – 2011** Research Assistant/Laboratory Manager
Rutgers University
Department of Psychology
PI: Elizabeth Tricomi, Ph.D.
- 2007 – 2009** Undergraduate Research Assistant
Harvard University
Department of Psychology
PI: Diego Pizzagalli, Ph.D.
- 2007** Harvard Study Abroad Program in the Life Sciences
University of Bonn, Germany

MEMBERSHIPS

Cognitive Neuroscience Society (CNS)
Association for Psychological Science (APS)
Social and Affective Neuroscience Society (SANS)
Society for Neuroscience (SFN)
Society for Neuroeconomics (SNE)
Society for Judgment and Decision Making (SJDMM)

GRANTS SUBMITTED (Pending or unfunded)

- March 2024** Brain and Behavior Research Foundation
Young Investigator Grant
\$70K direct costs
Not funded
- Feb 2021** National Institute on Aging / NIH
K01 Fellowship
Withdrawn; Impact Score: 42.

OUTREACH

- 2022 – pres.** Blogger at *Psychology Today*, writing quarterly blog posts on the latest psychological research for a wide audience. *One of my posts was re-printed as an article in the January 2024 issue of *Psychology Today*.*

- 2022 – 2024** Consultant for upcoming popular psychology book, “The Trigger Point Moment” by Naseem Khuri and Robert Wilkinson
- 2024** Presentation for Adelphi’s Mentoring Future Psychologists (MFP) program about careers in neuroscience research (May).
- 2024** Guest Speaker, Archbishop Stepinac High School, White Plains, NY. Presented an overview of careers in psychological research for students interested in psychology and health sciences
- 2023** Quoted in article for Quanta magazine (later reproduced in Wired magazine), “Is it Real or Imagined? Here’s how your brain tells the difference.”
- 2022** Guest Speaker, Archbishop Stepinac High School, White Plains, NY. Presented an overview of careers in psychological research for students interested in psychology and health sciences
- 2021 – 2022** Advisor, Action Potential Advising Program (biweekly mentorship meeting with undergraduate student interested in neuroscience)
- 2020** Presenter, Virtual Seminar Series for high school students. Topic: “Judgment and decision-making.” Akademeia High School in Warsaw, Poland.
- 2020** Mentor, Penn MindCORE Step-Ahead Mentorship Program (weekly professional development meetings with Penn undergraduates)
- 2019** Presenter, STEM Scholars program for high school students. Workshop on “Decision making preferences and biases.” Franklin Institute, Philadelphia, PA.
- 2016** Panelist, 100 Women in Hedge Funds Education Session, “Trading Games...in the Moment of Decision.” Bloomberg LP, New York, NY.
- 2016** Presenter, University of Pennsylvania Neuroscience Society (undergraduate group)
- 2016** Judge, NYC Science and Engineering Fair Preliminary Round
- 2012 – 2016** Founding Board Member, NYU Cognition and Perception Student Association
- 2013** Contributor to NYU Social Neuroscience Blog: “Why you comply matters: the refined role of rIPFC in social norm compliance,” by Karolina M. Lempert and Oriol FeldmanHall