

JOSEPH W. KABLE

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EMPLOYMENT

Jean-Marie Kneelely President's Distinguished Professor of Psychology, University of Pennsylvania, 2022-present.

Baird Term Professor of Psychology, University of Pennsylvania, 2018-2022.

Professor of Marketing (secondary appointment), University of Pennsylvania, 2018-present.

Baird Term Associate Professor of Psychology, University of Pennsylvania, 2015-2018.

Associate Professor of Marketing (secondary appointment), University of Pennsylvania, 2017-2018.

Baird Term Assistant Professor of Psychology, University of Pennsylvania, 2012-2015.

Assistant Professor, Department of Psychology, University of Pennsylvania, 2008-2012.

Postdoctoral Fellow, Center for Neural Science, New York University, 2004-2008. Mentor: Paul W. Glimcher.

EDUCATION

Ph.D., Neuroscience, University of Pennsylvania, 1999-2004.

Dissertation: "Moving thoughts: Conceptual representations of action in lateral occipitotemporal cortex."

Dissertation Advisor: Anjan Chatterjee

B.S., Chemistry, *with highest honors*, Emory University, 1992-1996.

Honors Advisor: Joseph B. Justice.

GRANTS

- AE Foundation, "Enhancing the ability to build trust through excitatory transcranial magnetic stimulation to the temporal-parietal junction," Principal Investigator. (\$272,148 total direct costs). 2022.
- Facebook Research, "Who is most vulnerable to the persistent negative effects of derogatory misinformation?" Principal Investigator. (\$45,000 total direct costs). 2021-2022.

- NSF, "Summer research experiences in mind and brain studies." Principal Investigator (MPI: F. Schwarz & J. Kable). (\$366,620 total direct costs). 2021-2024.
- AE Foundation, "Discovering Replicable and Robust Activity Differences Between High and Low Discounters," Principal Investigator. (\$112,148 total direct costs). 2021.
- Facebook Research, "Quantifying persistent effects of misinformation via neural signals," Principal Investigator. (\$90,250 total direct costs). 2020-2021.
- AE Foundation, "Reducing delay discounting and selfishness with excitatory transcranial magnetic stimulation of the temporoparietal junction," Principal Investigator. (\$382,693 total direct costs). 2019-2020.
- NIH/NIA, RF1 AG058065. "Learning and decision-making in healthy aging and preclinical Alzheimer's Disease." Principal Investigator (MPI: J. Kable & D. Wolk). (\$1,250,000 total direct costs). 2017-2022.
- NIH/NIMH, T32 MH017168. "Training Program in Behavioral and Cognitive Neuroscience." Principal Investigator (since 2017). (\$226,370 annual direct costs). 1984-2019.
- NSF, 1631550. "A mechanistic model of cognitive control." Principal Investigator (MPI: D. Bassett, J. Kable, T. Satterthwaite, F. Pascualetti). (\$338,000 total direct costs). 2016-2019.
- Khodadad Family Gift, "Excessive selfishness: an integrated neural, genetic and behavioral approach," Principal Investigator (MPI: E. Brodtkin & J. Kable). (\$362,149 total direct costs). 2016-2018.
- NSF, 1533623. "The role of noise in mental exploration for learning." Principal Investigator (MPI: J. Gold & J. Kable). (\$625,000 total direct costs). 2015-2018.
- NIH/NCI, R01 CA170297. "Retraining neurocognitive mechanisms of cancer risk behavior." Principal Investigator (MPI: J. Kable & C. Lerman). (\$1,226,870 total direct costs). 2012-2017.
- NIH/NIMH, R01 MH098899. "Individual, age-dependent differences in ACC-mediated adaptive decision making." Principal Investigator (MPI: J. Gold & J. Kable). (\$1,284,632 total direct costs). 2012-2016.
- NIH/NIDA, R01 DA029149. "Neural mechanisms underlying changes in preference." Principal Investigator. (\$980,343 total direct costs). 2010-2016.
- NIH/NIA, Pilot project funded by University of Pennsylvania Alzheimer's Disease Core Center (ADCC). "Effects of episodic memory on economic decision-making in older adults with and without biological markers of preclinical Alzheimer's Disease." Principal Investigator. (\$48,330 total project costs). 2017-2018.
- Pension Research Council/TIAA Institute. "Interactions between episodic memory and intertemporal choices in older adults." Principal Investigator. (MPI: J. Kable & D. Wolk, \$60,000 total project costs). 2016-2018.
- Pilot project funded by the University of Pennsylvania Comprehensive Neuroscience Center. "Common and Divergent Mechanisms of Anhedonia Across Psychiatric Disorders." Principal Investigator. (MPI: J. Kable & D. Wolf, \$43,500 total project costs). 2011-2012.
- NIH, Pilot project funded by TRIO (Population Aging Research Center, NIA P30 AG-012836; the Boettner Center for Pensions and Retirement Security; and the Population Studies Center, NICHD R24 HD-044964). "Neural Substrates of Anticipatory Time Perception and Time Discounting." Principal Investigator. (MPI: J. Kable & G. Zauberman, \$19,966 total project costs). 2011-2012.

- NIH/NIA, Pilot project funded by P30 for Population Aging Research Center (PI: B. J. Soldo). “Neuroeconomics of intergenerational sacrifice.” Principal Investigator. (MPI: L. Chao & J. Kable, \$119,000 total project costs). 2009-2011.
- NIH/NIMH, National Research Service Award, F32 MH75544. “Neural mechanisms of temporal discounting in humans.” Principal Investigator. 2005-2007.
- NIH/NIMH, R01 MH113565. “Adolescent neurodevelopment and impaired intrinsic motivation in psychosis risk.” Co-investigator. (PI: D. Wolf). 2018-2022.
- NIH/NIMH, R01 MH101111. “Quantitative behavioral and imaging phenotypes of amotivation in schizophrenia.” Co-investigator. (PI: D. Wolf). 2013-2017.
- NIH/NIDA, R21 DA032022. “Imaging risk taking in smokers.” Co-Investigator. (PI: H. Rao). 2012-2014.
- NIH/NIDA, R03 DA027098. “Imaging individual differences in risk taking.” Co-Investigator. (PI: H. Rao). 2011-2012.

HONORS AND AWARDS

- Fellow, Association for Psychological Science, 2019
- Early Career Award, Society for Neuroeconomics, 2014
- Best Talk, Society for Neuroeconomics 10th Annual Meeting, 2013
- Ruth L. Kirschstein National Research Service Award Individual Fellowship, 2005-2007.
- National Science Foundation Graduate Fellowship, 2000-2003.
- Dolores Zohrab Liebmann Graduate Fellowship (declined), 2000-2003.
- Lucius Lamar McMullan Award (\$20,000 grant given to outstanding Emory senior based on citizenship, leadership and service), 1996.
- Emory Scholar, Charles and Anne Duncan Scholarship (full tuition scholarship), 1992-1996.
- Phi Beta Kappa, 1994.

PUBLICATIONS

Peer-Reviewed Publications:

Note: though author ordering conventions can vary across the fields in which I work, usually the junior investigator who led the investigation is first author, the senior investigator who directed the investigation is last author, and other authors who made contributions to the manuscript are listed in the middle positions.

* = JWK trainee

99. Bergström, F., Lerman, C., **Kable, J. W.** (in press) Less cortical complexity in ventromedial prefrontal cortex is associated with a greater preference for risky and immediate rewards. *Imaging Neuroscience*.
98. Kobayashi, K. *, **Kable, J. W.** (2024) The neural basis of information-seeking. *Neuron*. 112: 1741-1756. doi: 10.1016/j.neuron.2024.04.008.

97. Koslov, S. R., **Kable, J. W.**, Foster, B. L. (2024). Dissociable contributions of the medial parietal cortex to recognition memory. *Journal of Neuroscience*. **44**: e2220232024. doi: 10.1523/JNEUROSCI.2220-23.2024. PMID: PMC11063824.
96. 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. doi: 10.1016/j.joep.2024.102730. PMID: PMC11113695.
95. Miller, P., **Kable, J. W.**, Lempert, K. M. (in press). Persistence outperforms delay discounting in predicting drinking severity in healthy young adults. *Journal of Experimental Analysis of Behavior*.
94. Savage, C., Prettyman, G. E., Jenkins, A. C., **Kable, J. W.**, Didier, P. R., de Moraes Leme, L. V., Wolf D. H. (2024). Social effort discounting reveals domain-general and social-specific motivation components. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi: 10.1016/j.bpsc.2024.07.020.
93. Didier, P. R., Moore, T. M., Calkins, M. E., Prettyman, G., Levinson, T., Savage, C., Viegas de Moraes Leme, D. F., Kohler, C. G., **Kable, J. W.**, Satterthwaite, T. D., Gur, R. C., Gur, R. E., Wolf, D. H. (2023). Evaluation of a New Trait Intrinsic and Extrinsic Motivation Scale in Youth with Psychosis Spectrum Symptoms. *Comprehensive Psychiatry*, **127**:152413. doi: 10.1016/j.comppsy.2023.152413. PMID: PMC10644398.
92. Hupen, P., Habel, U., Votinov, M., **Kable, J. W.**, Wagels, L. (2023). Neural correlates of risk-taking in addiction disorders: a systematic literature review. *Neuropsychology Review*, **33**:492-513. doi: 10.1007/s11065-022-09552-5. PMID: PMC10148787.
91. Koban, L., Lee, S.*, Schelski, D. S., Simon, M., Lerman, C., Weber, B., **Kable, J. W.**, and Plassmann, H. (2023). An fMRI-based brain marker predicts individual differences in delay discounting. *Journal of Neuroscience*. **43**: 1600-1613. doi: 10.1523/JNEUROSCI.1343-22.2022. PMID: PMC10008056.
90. Lempert, K. M.*, Breslow, D.*, Peterson, T. D.*, **Kable, J. W.**, and McGuire, J. T. (2023). Statistical information about reward timing is insufficient for promoting optimal persistence decisions. *Cognition*, **237**:105468. doi: 10.1016/j.cognition.2023.105468.
89. 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. doi: 10.3758/s13415-023-01100-9.
88. Mehta, K., Pines, A., Adebimpe, A., Larsen, B., Bassett, D. S., Calkins, M. E., Baller, E., Gell, M., Patrick, L. M., Gur, R. E., Gur, R. C., Roalf, D. R., Romer, D., Wolf, D. H., **Kable, J. W.**, Satterthwaite, T. D. (2023). Individual differences in delay discounting are associated

- with dorsal prefrontal cortex connectivity in youth. *Developmental Cognitive Neuroscience*, **62**:101265. doi: 10.1016/j.dcn.2023.101265. PMID: PMC10285090.
87. Mukherjee, D., Van Geen, C.*, **Kable, J. W.** (2023). Leveraging decision science to characterize depression. *Current Directions in Psychological Science*, **32**:462-470. doi: 10.1177/09637214231194962. PMID: PMC10836825.
86. Kobayashi, K.*, **Kable, J. W.**, Hsu, M., Jenkins, A. C. (2022). Neural representations of others' traits predict social decisions. *Proceedings of the National Academy of the Sciences*, **119**: e2116944119. doi: 10.1073/pnas.2116944119. PMID: PMC9295729.
85. Lee, S.*, Bradlow, E., and **Kable, J. W.** (2022). Fast construction of interpretable whole-brain decoders. *Cell Reports Methods*. **2**: 100227. doi: 10.1016/j.crmeth.2022.100227. PMID: PMC9243546.
84. Lee, S.*, Parthasarathi, T.*, Cooper, N.*, Zauberman, G., Lerman, C., and **Kable, J. W.** (2022). A neural signature of the vividness of prospective thought is modulated by temporal proximity during intertemporal decision-making. *Proceedings of the National Academy of the Sciences*, **119**: e2214072119. doi: 10.1073/pnas.2214072119. PMID: PMC9636959.
83. Lempert, K. M.*, Cohen, M. S.*, MacNear, K. A.*, Reckers, F. M.*, Zaneski, L.*, Wolk, D. A., and **Kable, J. W.** (2022). Aging is associated with maladaptive episodic memory-guided social decision-making. *Proceedings of the National Academy of the Sciences*, **119**: e2208681119. doi: 10.1073/pnas.2208681119. PMID: PMC9586277.
82. Quan, P., He, L., Mao, T., Fang, Z., Deng, Y., Pan, Y., Zhang, X., Zhao, K., Lei, H., Detre, J. A., **Kable, J. W.**, Rao, H. (2022). Cerebellum anatomy predicts individual risk-taking behavior and risk tolerance. *NeuroImage*, **254**: 119148. doi: 10.1016/j.neuroimage.2022.119148. PMID: PMC9680915.
81. Souther, M. K.*, Wolf, D. H., Kazinka, R.*, Lee, S.*, Ruparel, K., Elliott, M. A., Baldassano, C. F., Xu, A., Cieslak, M., Prettyman, G., Satterthwaite, T. D., **Kable, J. W.** (2022). Decision value signals in the ventromedial prefrontal cortex and anhedonia across mood and psychotic disorders. *Neuroimage: Clinical*, **36**: 103227. doi: 10.1016/j.nicl.2022.103227. PMID: PMC9668619.
80. Yu, L. Q.*, Dana, J., and **Kable, J. W.** (2022). Individuals with ventromedial frontal damage display unstable, but transitive, preferences during decision-making. *Nature Communications*, **13**: 4758. doi: 10.1038/s41467-022-32511-w. PMID: PMC9376076.
79. Aydogan, G., Daviet, R., Karlsson Linnér, R., Hare, T. A., **Kable, J. W.**, Kranzler, H. R., Wetherill, R. R., Ruff, C. C., Koellinger, P. D., Nave, G. (2021). Genetic underpinnings of risky behavior relate to altered neuroanatomy. *Nature Human Behaviour*, **5**: 787–794. doi: 10.1038/s41562-020-01027-y.

78. Brethel-Haurwitz, K. M.*, Oathes, D. J., **Kable, J. W.** (2021). Causal role of the right temporoparietal junction in selfishness depends on the social partner. *Social, Cognitive and Affective Neuroscience*, nsab136. doi: 10.1093/scan/nsab136.
77. Kiesow, H, Uddin, L. Q., Bernhardt, B. C., **Kable, J. W.**, Bzdok, D. (2021). Dissecting the midlife crisis: Disentangling social, personality and demographic determinants in social brain anatomy. *Communications Biology*, **4**: 728. doi: 10.1038/s42003-021-02206-x. PMCID: PMC8211729.
76. Kobayashi, K.*, Lee, S.*, Filipowicz, A. L. S.*, McGaughey, K. D., **Kable, J. W.**, and Nassar, M. R. (2021). Dynamic representation of the subjective value of information. *Journal of Neuroscience*, **41**: 8220–8232. doi: 10.1523/JNEUROSCI.0423-21.2021. PMCID: PMC8482864.
75. Lee, S.*, Parthasarathi, T.*, and **Kable, J. W.** (2021) The ventral and dorsal default mode networks are dissociably modulated by the vividness and valence of imagined events. *Journal of Neuroscience*, **41**: 5243–5250. doi: 10.1523/JNEUROSCI.1273-20.2021. PMCID: PMC8211541.
74. Lee, S.*, Yu, L. Q.*, Lerman, C., and **Kable, J. W.** (2021) Subjective value, not a grid-like code, describes neural activity in ventromedial prefrontal cortex during value-based decision-making. *NeuroImage*, **237**: 118159. doi: 10.1016/j.neuroimage.2021.118159. PMCID: PMC8298105.
73. Prettyman, G., **Kable, J. W.**, Didier, P., Shankar, S., Satterthwaite, T., Davatzikos, C., Bilker, W., Elliott, M., Ruparel, K., and Wolf, D. (2021). Relationship of ventral striatum activation during effort discounting to clinical amotivation severity in schizophrenia. *npj Schizophrenia*, **7**: 48. doi: 10.1038/s41537-021-00178-9. PMCID: PMC8501117.
72. Sydnor, V. J., Larsen, B., Kohler, C., Crow, A. J. D., Rush, S. L., Calkins, M. E., Gur, R. C., Gur, R. E., Ruparel, K., **Kable, J. W.**, Young, J. F., Elliott, M. A., Shinohara, R. T., Nanga, R. P. R., Reddy, R., Wolf, D. H., Satterthwaite, T. D., and Roalf, D. R. (2021). Diminished reward responsiveness is associated with lower reward network GluCEST: An ultra-high field glutamate imaging study. *Molecular Psychiatry*, **26**: 2137–2147. doi: 10.1038/s41380-020-00986-y. PMCID: PMC8292427.
71. Workman, C. I., Humphries, S., Hartung, F., Aguirre, G. K., **Kable, J. W.**, and Chatterjee, A. (2021) Morality is in the eye of the beholder: Unpacking the neurocognitive basis of the “anomalous-is-bad” stereotype. *Annals of the New York Academy of Sciences*, **1494**: 3–17. doi: 10.1111/nyas.14575. PMCID: PMC8247878.
70. Alabi, O., Robinson, M., Fortunato, M., **Kable, J. W.**, Fuccillo, M. V. (2020) Disruption of *Nrxn1 α* within excitatory forebrain circuits drives value-based dysfunction. *eLife*, **9**: e54838. doi: 10.7554/eLife.54838.

69. Botvinick-Nezer, R., Holzmeister, F., Camerer, C. F., Dreber, A., Huber, J., Johannesson, M., Kirchler, M., Iwanir, R., Mumford, J. A., ..., **Kable, J. W.**, ..., Lee, S.*, ..., Nichols, T. E., Poldrack, R. A., Schonberg, T. (2020) Variability in the analysis of a single neuroimaging dataset by many teams. *Nature*, **582**: 84–88. doi: 10.1038/s41586-020-2314-9.
68. Filipowicz, A. L. S.*, Glaze, C. M.*, Tavoni, G., **Kable, J. W.**, Gold, J. I. (2020) Pupil diameter encodes the idiosyncratic, cognitive complexity of belief updating. *eLife*, **9**: e57872. doi: 10.7554/eLife.57872.
67. Hupen, P., Wagels, L., Weidler, C., Schneider, F., **Kable, J. W.**, and Habel, U. (2020) Altered Psychophysiological Correlates of Risk-taking in Borderline Personality Disorder. *Psychophysiology*, **57**: e13540. doi: 10.1111/psyp.13540.
66. Kao, C-H.*, Khambati, A. N., Bassett, D. S., Nassar, M. N., McGuire, J. T., Gold, J. I., and **Kable, J. W.** (2020) Functional brain network reconfiguration during learning in a dynamic environment. *Nature Communications*, **11**: 1682. doi: 10.1038/s41467-020-15442-2.
65. Kao, C.-H.*, Lee, S.*, Gold, J. I., **Kable, J. W.** (2020) Neural encoding of task-dependent errors during adaptive learning. *eLife*, **9**: e58809. doi: 10.7554/eLife.58809.
64. Kiesow, H., Dunbar, R. I. M., **Kable, J. W.**, Kalenscher, T., Vogeley, K., Schilbach, L., Wiecki, T., Bzdok, D. (2020) 10,000 social brains: sex differentiation in human brain anatomy. *Science Advances*, **6**: eaaz1170. doi: 10.1126/sciadv.aaz1170.
63. Lee, S.*, Glaze, C. M.*, Bradlow, E. T., and **Kable, J. W.** (2020) Flexible utility function approximation via cubic Bezier splines. *Psychometrika*, **85**: 716–737. doi: 10.1007/s11336-020-09723-4.
62. Lee, S.*, Gold, J. I., and **Kable, J. W.** (2020) The human as delta-rule learner. *Decision*, **7**: 55-66. doi: 10.1037/dec0000112.
61. Lempert, K. M.*, MacNear, K. A.*, Wolk, D. A., and **Kable, J. W.** (2020) Links between autobiographical memory richness and temporal discounting in older adults. *Scientific Reports*, **10**: 6431. doi: 10.1038/s41598-020-63373-1.
60. 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., and **Kable, J. W.** (2020) Neural and behavioral correlates of declarative memory are associated with temporal discounting in older adults. *Neuropsychologia*, **146**: 107549. doi: 10.1016/j.neuropsychologia.2020.107549.
59. Mukherjee, D.*, Filipowicz, A. L. S.*, Vo, K.*, Satterthwaite, T. S., and **Kable, J. W.** (2020) Reward and punishment reversal learning in major depressive disorder. *Journal of Abnormal Psychology*, **8**: 810–823. doi: 10.1037/abn0000641.

58. Mukherjee, D.*, Lee, S.*, Kazinka, R.*, and **Kable, J. W.** (2020) Multiple facets of value-based decision making in Major Depressive Disorder. *Scientific Reports*, **10**: 3415. doi: 10.1038/s41598-020-60230-z.
57. Yu, L. Q.*, Kan, I. P., and **Kable, J. W.** (2020). Beyond a rod through the skull: a systematic review of lesion studies of the human ventromedial frontal lobe. *Cognitive Neuropsychology*, **37**: 97–141. doi: 10.1080/02643294.2019.1690981.
56. Hupen, P., Habel, U., Schneider, F., **Kable, J. W.**, and Wagels, L. (2019) Impulsivity moderates skin conductance and impulsivity on a modified version of the balloon analogue risk task. *Frontiers in Decision Neuroscience*, **13**: 345. doi: 10.3389/fnins.2019.00345. PMID: PMC6476343.
55. Li, Y. S., Nassar, M. N.*, **Kable, J. W.**, and Gold, J. I. (2019) Differential, context-insensitive encoding of spatial and feedback information in single anterior and posterior cingulate neurons during adaptive decision-making. *Journal of Neuroscience*, **39**: 6668-6683. doi: 10.1523/JNEUROSCI.0159-19.2019. PMID: PMC6703890.
54. Nassar, M. N.*, McGuire, J. T.*, Ritz, H., and **Kable, J. W.** (2019) Dissociable forms of uncertainty-driven representational change across the human brain. *Journal of Neuroscience*, **39**: 1688-1698. doi: 10.1523/JNEUROSCI.1713-18.2018. PMID: PMC6391562.
53. Nave, G., Jung, W. H.*, **Kable, J. W.**, and Koellinger, P. (2019) Are bigger brains smarter? Evidence from a large-scale pre-registered study. *Psychological Science*, **30**: 43-54. doi: 10.1177/0956797618808470.
52. Glaze, C. M.*, Filipowicz, A. L. S.*, **Kable, J. W.**, Balasubramanian, V., and Gold, J. I. (2018) A bias-variance trade-off governs individual differences in on-line learning in an unpredictable environment. *Nature Human Behaviour*, **2**: 213-224. doi: 10.1038/s41562-018-0297-4.
51. Jung, W. H.*, Lee, S.*, Lerman, C., and **Kable, J. W.** (2018) Amygdala functional and structural connectivity predicts individual risk tolerance. *Neuron*, **98**: 394-404. doi: 10.1016/j.neuron.2018.03.019. PMID: PMC5910234.
50. Lee, S.* and **Kable, J. W.** (2018) Simple but robust improvement in multivoxel pattern classification. *PLoS One*, **13**: e0207083. doi: 10.1371/journal.pone.0207083. PMID: PMC6221349.
49. Lempert, K. M.*, Steinglass, J. E., Pinto, A., **Kable, J. W.**, and Simpson, H. B. (2018) Can delay discounting deliver on the promise of the RDoC? *Psychological Medicine*. doi: 10.1017/S0033291718001770.
48. Pehlivanova, M.*, Wolf, D. H., Sotiras, A., Kaczkurkin, A., Moore, T. M., Ciric, R., Cook, P. A., Garcia de La Garza, A., Rosen, A., Ruparel, K., Sharma, A., Shinohara, R. T., Roalf, D. R., Gur, R. C., Davatzikos, C., Gur, R. E., **Kable, J. W.**, and Satterthwaite, T. D. (JWK and

- TDS co-last authors). (2018) Diminished cortical thickness is associated with impulsive choice in adolescence. *Journal of Neuroscience*. doi: 10.1523/JNEUROSCI.2200-17.2018. PMID: PMC5858592.
47. To, C., Falcone, M., Loughead, J., Logue-Chamberlain, E., Hamilton, R., **Kable, J. W.**, Lerman, C., and Ashare, R. L. (2018) Does stimulating brain regions associated with inhibitory control have paradoxical effects on eating behavior? *Appetite*, **131**: 28-35. doi: 10.1016/j.appet.2018.08.032. PMID: PMC6197906.
46. Fang, Z., Jung, W. H.*, Korczykowski, M. Luo, L., Prehn, K., Xu, S., Detre, J. A., **Kable, J. W.**, Roberston, D., and Rao, H. (2017). Post-conventional moral reasoning is associated with increased ventral striatal activity at rest and during task. *Scientific Reports*, **7**: 7105. doi: 10.1038/s41598-017-07115-w. PMID: PMC5541100.
45. **Kable, J. W.**, Caulfield, M. K.*, Falcone, M., McConnell, M.*, Bernardo, L., Parthasarathi, T.*, Cooper, N.*, Ashare, R., Audrain-McGovern, J., Hornik, R., Diefenback, P., Lee, F., and Lerman, C. (2017). No effect of commercial cognitive training on brain activity, choice behavior or cognitive performance. *Journal of Neuroscience*, **37**: 7390-7402. doi: 10.1523/JNEUROSCI.2832-16.2017. PMID: PMC5546110.
44. Miglin, R., **Kable, J. W.**, Bowers, M. E., and Ashare, R. L. (2017). Withdrawal-related changes in delay discounting predict short-term smoking abstinence. *Nicotine and Tobacco Research*, **19**: 694-702. doi: 10.1093/ntr/ntw246. PMID: PMC5423100.
43. Lempert, K. M.*, McGuire, J. T.*, Hazeltine, D. B., Phelps, E. A., and **Kable, J. W.** (2017). The effects of acute stress on the calibration of persistence. *Neurobiology of Stress*, **8**: 1-9. doi: 10.1016/j.ynstr.2017.11.001. PMID: PMC5709305.
42. Parthasarathi, T.*, McConnell, M.*, Luery, J.*, and **Kable, J. W.** (2017). The vivid present: visualization abilities are associated with steep discounting of future rewards. *Frontiers in Psychology*, **8**: 289. doi: 10.3389/fpsyg.2017.00289. PMID: PMC5337487.
41. Sharma, A., Wolf, D. H., Ciric, R., **Kable, J. W.**, Moore, T. M., Vandekar, L., Katchmar, N., Daldal, A., Ruparel, K., Davatzikos, C., Elliott, M. A., Calkins, M. E., Shinohara, R. T., Bassett, D. S., Satterthwaite, T. D. (2017). Common dimensional reward deficits across mood and psychotic disorders: A connectome-wide association study. *American Journal of Psychiatry*, **174**: 657-666. doi: 10.1176/appi.ajp.2016.16070774. PMID: PMC5495611.
40. Yu, L. Q.*, Lee, S.*, Katchmar, N., Satterthwaite, T. D., **Kable, J. W.**, and Wolf, D. H. (2017) Steeper discounting of delayed rewards in schizophrenia. *Psychiatry Research*, **252**, 303-309. doi: 10.1016/j.psychres.2017.02.062. PMID: PMC5438888.
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28. Satterthwaite, T. D., **Kable, J. W.**, Vandekar, L., Katchmar, N., Bassett, D. S., Baldassano, C. F., Ruparel, K., Elliott, M. A., Sheline, Y. I., Gur, R. C., Gur, R. E., Davatzikos, C.,

- Leibenthal, E., Thase, M. E., and Wolf, D. (2015). Common and dissociable dysfunction of the value system in bipolar and unipolar depression. *Neuropsychopharmacology*, **40**: 2258-2268. doi: 10.1038/npp.2015.75. PMCID: PMC4613620.
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10. **Kable, J.W.**, and Glimcher, P.W. (2009). The neurobiology of decision: Consensus and controversy. *Neuron* **63**, 733-745. doi: 10.1016/j.neuron.2009.09.003. PMID: PMC2765926.
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1. Justice, J. B., Danek, K. S., **Kable, J. W.**, Barker, E. L., and Blakely, R. D. (1998). Voltammetric approaches to kinetics and mechanism of the norepinephrine transporter. *Advances in Pharmacology*, **42**, 191-194.

Book Chapters, Commentary, Conference Reports:

* = JWK trainee

12. van Geen, C.*, **Kable, J. W.** (in press). Persistence in the choice of delayed rewards. *Encyclopedia of the Human Brain*.
11. Lempert, K.* and **Kable, J. W.** (2017). Separating identity and value in the identity-value model. *Psychological Inquiry*, **28**: 103-107. doi: 10.1080/1047840X.2017.1337386.
10. Parthasarathi, T.*, and **Kable, J. W.** (2017). Cognitive neuroscience methods: An introductory overview for social scientists. In *Thinking About Bribery: Neuroscience, Moral Cognition and Psychology of Bribery* (Phillip M. Nichols & Diana Robertson, eds.).
9. McGuire, J. T.*, and **Kable, J. W.** (2016). Deciding to curtail persistence. In *Handbook of Self-Regulation* (Kathleen Vohs & Roy Baumeister, eds.), pp. 533-546.
8. Vo, K.*, Rutledge, R., Chatterjee, A., and **Kable, J. W.** (2015). Reply: Differential functions of ventral and dorsal striatum. *Brain*.

7. McGuire, J. T.*, and **Kable, J. W.** (2014). Go means green. *Nature Neuroscience*, **17**: 489-490. doi: 10.1038/nn.3680.
6. **Kable, J. W.** (2013). Valuation, intertemporal choice and self-control. In *Neuroeconomics, 2nd edition* (Paul Glimcher & Ernst Fehr, eds.).
5. Kurzban, R., Duckworth, A., **Kable, J. W.**, and Myers, J. (2013). Cost-benefit models as the next, best option for understanding subjective effort. *Behavioral and Brain Sciences*, **36**: 707-726. doi: 10.1017/S0140525X13001532.
4. **Kable, J. W.** (2012). Neuroeconomics: an example of how neuroscience can inform the social sciences. In *Grounding Social Sciences in Cognitive Sciences* (Ron Sun, ed.), pp. 315-350.
3. **Kable, J. W.** (2011). Social influences on “self”-control. *Decision making for a social world*. Webconference at cognitionandculture.net.
2. McGuire, J. T.*, and **Kable, J. W.** (2011). Time interval statistics adaptively modulate decision makers’ willingness to wait for delayed outcomes. *Proceedings of the Cognitive Science Society 33rd Annual Conference*.
1. **Kable, J. W.** (2010). Just a little (lateral prefrontal) patience. *Nature Neuroscience*, **5**, 523-524. doi: 10.1038/nn0510-523.

Working Papers, Manuscripts Under Review or In Revision:

* = JWK trainee

11. Bergström, F., Schu, G., Lee, S.*, Lerman, C., & **Kable, J. W.** Multivariate analysis of multimodal brain properties predicts individual differences in risk and intertemporal preference.
10. Cohen, M. S.*, Halewicz, V.*, Yildirim, E.*, **Kable, J. W.** Individual differences in vulnerability to misinformation when forming impressions of political candidates. *PsyArXiv*, doi: 10.31234/osf.io/5dmt4.
9. Duprat, R. J., Linn, K. A., Satterthwaite, T. D., Ciric, R., Sheline, Y. I., Liang, X., Bagdon, G., Flounders, M., Platt, M., Gold, J., **Kable, J. W.**, Adams, G. K., Kalamveetil-Meethal, S., Dallstream, A., Long, H., Scully, M., Deluisi, J., Lyu, M., Thase, M., Cristancho, M., Shinohara, R. T., Oathes, D. J. Evidence for a prefrontal to subgenual anterior cingulate pathway using interleaved TMS/fMRI.
8. Filipowicz, A. L. S.*, Levine, J., Piasini, E., **Kable, J. W.**, Gold, J. I. The complexity of model-free and model-based learning strategies. *bioRxiv*, doi: 10.1101/2019.12.28.879965.
7. Fernandez, K. A., Erickson, B. A., Biney, B., **Kable, J. W.**, Hamilton, R. H., Medaglia, J. D. Evaluating risks and benefits sensitivity for cognitive enhancement.

6. Godefroy, V., Durand, A., Simon, M., Weber, B., **Kable, J. W.**, Lerman, C., Bergström, F., Levy, R., Batrancourt, B., Schmidt, L., Plassmann, H. and Koban, L. A structural MRI marker predicts individual differences in impulsivity and classifies patients with behavioral-variant frontotemporal dementia from matched controls.
5. Lee, S., **Kable, J. W.**, Jung, W. H. Altering subjective time perception leads to changes in neural activity that predicts changes in delay discounting impulsivity. *bioRxiv*, doi: 10.1101/2024.01.14.575587
4. Moore, T. M., Lopez, K. C., Scott, J. C., Lennon, J. C., Di Sandro, A., Zoupou, E., Gorgone, A. Calkins, M. E., Wolf, D. H., **Kable, J. W.**, Ruparel, K., Gur, R. E., Gur, R. C. Configural and metric invariance across full-form and computerized adaptive versions of the Penn computerized neurocognitive battery (CAT-CCNB).
3. Prettyman, G., Didier, P. Viegas de Moraes Leme, L., **Kable, J. W.**, Levinson, T., Moore, T., Satterthwaite, T., Davatzikos, C., Shinohara, R. T., Calkins, M., Elliott, M., Gur, R. C., Gur, R. E., Wolf, D. H. Impaired trait intrinsic motivation in adolescents at risk for psychosis relates to ventral striatum activation to self-generated reinforcement signals.
2. Souther, M.* , Boateng, B.* , **Kable, J. W.** A meta-analysis of neural systems underlying delay discounting: implications for transdiagnostic research. *bioRxiv*, doi: 10.1101/2022.10.12.511959v1.
1. van Geen, C.* , Chen, Y., Kazinka, R.* , Vaidya, A. R., **Kable, J. W.**, McGuire, J. T. Lesions to different regions of frontal cortex have dissociable effects on voluntary persistence. *bioRxiv*, doi: 10.1101/2023.11.16.567406

TEACHING/MENTORING

Undergraduate & Graduate Courses:

- PSYC 2555: Neuroeconomics (Spring 2020, Spring 2021, Spring 2022, Spring 2023, Spring 2024)
- PSYC 3795: Calling Bull: Discerning Fact from Fiction in Psychology and the Real World (Spring 2024)
- PSYC 5730: Neuroeconomics (Fall 2020, Fall 2021, Fall 2022)
- INTG 002: Decisions and Learning (Spring 2016, Fall 2017, Fall 2018)
- PSYC 160: Personality and Individual Differences (Fall 2009, Fall 2010, Fall 2011, Fall 2012, Spring 2014, Spring 2015)
- PSYC 360: Research Experience in Personality (Spring 2011)
- PSYC 473: Neuroeconomics (Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2015, Fall 2016, Spring 2019)
- PSYC 525: Controversies in Psychology & Neuroscience (Spring 2017)

Lecturer:

- The Neuroscience of Business: Innovations in Leadership and Strategic Decisions (Executive Education: 2023, 2024)
- Leveraging Neuroscience for Business Impact (Executive Education: 2018, 2019)
- Neuroscience Core III (Spring 2015, Spring 2016, Spring 2017, Spring 2019)
- Preceptorial on Neuroeconomics (Spring 2012, Fall 2012, Fall 2014, Fall 2019)
- Undergraduate Summer Workshop in Interdisciplinary Mind and Brain Studies (Summer 2017)
- Law & Neuroscience (Spring 2015)
- Penn Neuroscience Boot Camp (Summers 2009-2014)
- Penn-Princeton-Rutgers Graduate Seminar in Moral Psychology (Fall 2013)
- Marketing 960: Judgment and Decision Making (Fall 2009, Fall 2013)
- Center for Neuroscience and Society Summer Fellowships in Teaching Neuroethics (Summer 2013)
- Psychology 600: Proseminar in Social Psychology (Spring 2011, Spring 2013)
- Philosophy 525: Experiments in Ethics (Fall 2012)
- Computational Neuroscience Summer Program (Summer 2009, Summer 2010, Summer 2012)
- Institute for Research in Cognitive Science Summer Workshop for Undergraduates (Summer 2009, Summer 2012)
- Advanced Systems Neuroscience (Fall 2011)
- Psychiatry Intern Journal Club (Summer 2010)
- Bioethics 555: Neuroethics (Summer 2009)

Postdoctoral Scholars

- Jaime Castrellon, 2022-2024
Currently Assistant Professor of Psychology, UCLA
- Lauren Patrick, 2022-present
- Yi Huang, 2020
Currently Assistant Professor of Psychology, Lingnan University
- Kenji Kobayashi, 2019-2023
Currently Assistant Professor of Psychology, University of York
- Michael Cohen, 2019-2022
- Alexandre Filipowicz, 2017-2020
Recipient of an individual National Research Service Award, F32 MH117924, "Measuring the role of mental model complexity on individual behavioral and neural differences in adaptive decision making"
- Karolina Lempert, 2016-2021
Recipient of an individual National Research Service Award, F32 AG054032, "Contributions of episodic memory to intertemporal decision-making across adulthood"; Currently Assistant Professor of Psychology, Adelphi University
- Kristin Brethel-Haurwitz, 2016-2020
Recipient of an individual National Research Service Award, F32 MH115661, "Neural mechanisms of pathological selfishness"
- Wi Hoon Jung, 2014-2017
Currently Assistant Professor of Psychology, Gachon University
- Chris Glaze, 2014-2016

- Matt Nassar, 2012-2013
Currently Assistant Professor of Neuroscience, Brown University
- Karin Cox, 2011-2014
- Joe McGuire, 2010-2015
Recipient of an individual National Research Service Award, F32 DA030870, “Temporal dynamics and neural mechanisms of preference reversal”; Currently Associate Professor of Psychological & Brain Sciences, Boston University

Graduate Students (Ph.D.):

- Jacob Parker (Neuroscience), 2022-present
- Christian Benitez (Psychology), 2021-present
- Camilla van Geen (Psychology), 2020-present
- Min (Kang) Souther (Psychology), 2018-2023
- Chang-Hao Kao (Psychology), 2015-2020
Recipient of a Taiwan Ministry of Education Scholarship
- Sangil (Arthur) Lee (Psychology), 2014-2020
- Linda Yu (Psychology), 2013-2018
Recipient of an NSERC Postgraduate Scholarship
- Trishala Parthasarathi (Neuroscience), 2013-2017
- Marieta Pehlivanova (Psychology), 2012-2017
- Dahlia Mukherjee (Psychology), 2012-2014
Currently Assistant Professor of Psychiatry, Penn State Hershey Medical Center
- Betty Kim-Viechnicki (Psychology), 2010-2015
- Nicole (Senecal) Cooper (Neuroscience), 2009-2013

Graduate Students (Masters):

- Anusha Phadnis (Scientific Computing), 2022-2023
- Ting-Yi Lin (Behavioral and Decision Sciences), 2020-2021
- Zih-Yun Yan (Behavioral and Decision Sciences), 2018-2019
- Nicolas Harbig (Psychology, Maastricht University), 2010
- Li Jiang (Neuroscience), 2009-2010

Graduate Students (Rotation):

- Victoria Subritzky Katz (Neuroscience), Fall 2022
- Catherine Ubri (Neuroscience), Summer 2019
- Ana Defendini (Neuroscience), Spring 2019
- Kara McGaughey (Neuroscience), Spring 2019
- Sara Taylor (Neuroscience), Fall 2017
- Dale Zhou (Neuroscience), Fall 2017
- Ursula Tooley (Neuroscience), Fall 2016
- Kyra Levy (Neuroscience), Summer 2016
- Vanessa Fleites (Neuroscience), Fall 2015
- Srihari Sritharan (Neuroscience), Fall 2012

Post-Baccalaureate Students (PREP Program):

- Alex Ramirez, 2022-2023

- Jeff Luery, 2014
- Kourosh Zakeri, 2010-2011

Graduate Student Thesis Committees:

- Evan Iliakis (Neuroscience), 2023-present
- Taurean Butler (Psychology), 2023-present
- Alice Dallstream (Neuroscience), 2023-2024
- Mengting Feng (Psychology), 2023-present
- Sam Lyons (Neuroscience), 2023-present
- Ekaterina Gonchova (Marketing/Psychology), 2022-present
- Gianna Perez (Neuroscience, chair), 2021-present
- Long Ni (Psychology), 2021-2024
- Joowon Klusowski (Marketing/Psychology), 2020-2021
- Ana Defendini (Neuroscience, chair), 2020-2023
- Greer Prettyman (Neuroscience, chair), 2020-2022
- Luigim Vargas (Neuroscience), 2020-present
- Opeyemi Alabi (Neuroscience, chair), 2017-2019
- Graham Baum (Neuroscience, chair), 2017-2019
- Ari Kahn (Neuroscience, chair), 2017-2020
- Briana Last (Psychology), 2017-2021
- Andrew Murphy (Bioengineering), 2017-2019
- Joyce Zhao (Psychology), 2017-2020
- Cheyenne Allenby (Pharmacology), 2016-2019
- Meghan Healey (Neuroscience, chair), 2016-2019
- Nathan Tardiff (Psychology), 2016-2019
- Diana Xie (Neuroscience), 2016-2017
- Yunshu Fan (Neuroscience), 2015-2019
- Long Luu (Psychology), 2015-2018
- Olga Tkachenko (Psychology), 2015-2019
- Shalena Srna (Marketing), 2015-2017
- Xuan Gao (Psychology), 2014-2017
- Khaing Win (Neuroscience, chair), 2014-2017
- Gabriela Kattan Khazanov (Psychology), 2013-2018
- Johannes Eichstaedt (Psychology), 2013-2017
- Justus Myers (Psychology), 2012-2014
- Ashwin Ramayya (Neuroscience, chair), 2012-2014
- Nicole Long (Psychology), 2011-2015
- Sheeva Azma (Neuroscience, Georgetown), 2011-2013
- Teresa Pegors (Psychology), 2010-2014
- Lindsay Vass (Neuroscience), 2010-2014
- Vanessa Troiani (Neuroscience), 2010-2012
- Pam Stokes (Psychology), 2010-2011
- Marc Coutanche (Psychology), 2009-2013
- Dahlia Mukherjee (Psychology, chair), 2009-2012
- Martin Wiener (Psychology, chair), 2009-2011
- Kyu Kim (Marketing), 2009-2010

- Nina Hsu (Neuroscience), 2008-2012
- Eli Tsukayama (Psychology, chair), 2008-2012
- David January (Psychology), 2008

Other Graduate Student Committees:

- Elizabeth Siefert (Neuroscience Preliminary Exam), 2023
- Samuel Lyons (Neuroscience Preliminary Exam), 2022
- Gianna Perez (Neuroscience Preliminary Exam), 2021
- Ana Defendini (Neuroscience Preliminary Exam), 2020
- Jeesung Ahn (Psychology 699), 2020
- Greer Prettyman (Neuroscience Preliminary Exam), 2019
- Kyra Schapiro (Neuroscience Preliminary Exam), 2017
- Dilara Berkey (Psychology 699), 2017
- Diana Xie (Neuroscience Preliminary Exam), 2016
- Ari Kahn (Neuroscience Preliminary Exam), 2015
- Shalena Srna (Psychology 699), 2015
- Meghan Healey (Neuroscience Preliminary Exam), 2015
- Lauren Brumley (Psychology 699), 2014
- Jack Keefe (Psychology 699), 2014
- Kamesh Krishnamurthy (Neuroscience Preliminary Exam), 2014
- Johannes Eichstaedt (Psychology 699), 2013
- Lisa Musz (Psychology 699), 2013
- Khaing Win (Neuroscience Preliminary Exam), 2013
- Alejandro Adler (Psychology 699), 2012
- David Seelig (Neuroscience Preliminary Exam), 2012
- Ashwin Ramayya (Neuroscience Preliminary Exam), 2012
- Allison Nahmias (Psychology 699), 2011
- Kate Christison-Lagay (Neuroscience Preliminary Exam), 2010
- Marc Coutanche (Psychology 699), 2009

Undergraduate Independent Study:

- Kristen Li (Wharton Research Scholars), 2024
- Jamaal Spence (Neuroscience), 2023-2024
- Alphonse Engels (MindCORE NSF REU summer program), 2023
- Michelle Mahecha Perez (Psychology), 2022-2023
Recipient of the Sabini Award
- Geshi Yeung (Cognitive Science), 2022
- Emma Boockvar (Neuroscience), 2022
- Karla Perez (MindCORE NSF REU summer program), 2022
- Christian Burrell (Wharton Applied Neuroscience and Business Analytics summer program), 2022
- Ece Yildirim (Philosophy, Politics & Economics), 2022
- Bema Boateng (Biological Basis of Behavior), 2021-2022
- Yifei Pei (Cognitive Science), 2021-2022
Recipient of the College Alumni Society Prize in Cognitive Science
- Aysha Gsibat (MindCORE NSF REU summer program), 2021

- Andy Garcia (SUIP summer program), 2021
- Brendan Yoo (Biological Basis of Behavior), 2020-2021
- Thomas Hogeboom (Psychology), 2020-2021
- Joia McGivern (Psychology), 2020
- Ritin Pachnanda (PURM summer program), 2020
- Keven Querido (PURM summer program), 2020
- Olivia Heflin (Psychology), 2019
- Derek Nuamah (mindCORE summer fellow, Biological Basis of Behavior), 2019
- Nabil Khan, 2019
- Caroline Carballiera (Psychology), 2018
- Catherine Park (Psychology), 2018
- Kate Petrova (Bryn Mawr), 2018
- Evan Spector (Cognitive Science), 2018
- Marta Teferi (Psychology), 2018
- Heba Arshad (Biological Basis of Behavior), 2017-2018
Recipient of the Wharton Dean's Award for Excellence
- Frewine Ogbaselase (Psychology), 2017
- Natalia Ruh (Psychology), 2017
- Samantha Linhares (Cognitive Science), 2016-2018
Recipient of the College Alumni Society Prize in Cognitive Science
- Christopher Hanson (Psychology), 2016
- Rodney Jones, 2016
- Tiffany Dominguez (PURM summer program, Biological Basis of Behavior), 2016-2019
- Ian Jean (PURM summer program), 2016
- Jonathan Bloom (Cognitive Science), 2015-2016
- Jae Ho Hur (Psychology), 2015-2016
- Chetan Kanna (Biological Basis of Behavior), 2015-2016
- Yuhao (David) Xu, 2015
- John Paul Hagan (Psychology), 2014-2015
Recipient of the Dean's Scholar Award
- Darby Breslow (Biological Basis of Behavior), 2014
- Thomas Peterson (Cognitive Science), 2014
- Rochelle Shen (Biological Basis of Behavior), 2014
- Kelsey Williams (Psychology), 2014
- Lina Hashem (Cognitive Science), 2013-2014
- Margaret Merrill (Psychology), 2013-2014
Recipient of the Sabini Award
- Kathleen Hoe (Psychology), 2013
- Athena Lem (Psychology), 2013
- Praachi Raje (Biological Basis of Behavior), 2013
- Yael Burla (Biological Basis of Behavior), 2012-2014
- Nitya Kanuri (Biological Basis of Behavior), 2012
- Peter McNally, 2012
- Jose Robles (Psychology), 2012
- Katy Siu (Psychology, post-baccalaureate), 2012
- Emily Wasserman, 2012

- Oscar Bartra Carreras (Positive Studies summer program), 2011-2012
- Zeynep Enkavi (Cognitive Science), 2011-2012
- Justin Reggi (Biological Basis of Behavior), 2011-2012
- Shikha Saxena (Biological Basis of Behavior), 2011-2012
- Sophie Gindea (PURM summer program), 2011
- Daniel Santos (Psychology), 2011
- Darryl Seligman, 2011
- Elizabeth Thompson, 2011
- Allison Oakes (Psychology), 2010-2013
Recipient of the Benjamin Franklin Society Undergraduate Research Grant
- Maggie Covell (Psychology), 2010-2011
Recipient of the Sabini Award
- Qintan Lin (Psychology), 2010-2011
Recipient of the Milstein Family Undergraduate Research Grant
- Tim Kable, 2010
- Teresa Wang (Biology/Life Sciences & Management Program), 2010
- Khoi Vo (Biological Basis of Behavior), 2009-2012
Recipient of the Goldfeder Family Undergraduate Research Grant
- Cindy Kim (Psychology), 2009-2010
- Sunny Saxena (Biology/Life Sciences & Management Program), 2009

High School Students (LENS Program):

- Victoria Redden-Deminie, 2023
- Nicole Chen, 2022
- Roshini Govindasamy, 2021
- Aditya Siyam, 2021
- Inshirah Abdus-Saboor, 2020
- Farra Muhammad, 2020
- Trinity Rutling, 2020
- Maira Asif, 2019
- Ance Maria Thankachan, 2018
- Najifa Zaman, 2018
- Ciani Batista, 2017
- Andra Nwankwo, 2017
- Layla Basil, 2016
- Shelby Cleveland, 2016

SERVICE

Department of Psychology:

- Chair, The Interconnected Mind Search Committee, 2022-2023
- Diversity, Equity and Inclusion Committee, 2022-2024
- Ad-hoc committee for target-of-opportunity hire, 2021
- Ad-hoc committee for target-of-opportunity hire, 2020
- Chair, Cognitive or Affective Science Search Committee, 2017-2018

- Affective Science Search Committee, 2016-2017
- Ad-hoc committee for Research Assistant Professor search, 2015
- Strategic Planning Committee, 2014-2015
- Evolution Cluster Search Committee, 2013-2014
- Ad-hoc committee for target-of-opportunity hire, 2012
- Graduate Group Executive Committee, 2011-2012, 2015-2016, 2018-2019, 2020-2022
- Clinical Search Committee, 2010-2011
- Institutional Review Board representative, 2010-2011
- Chair's Advisory Committee, 2009-2010

School of Arts & Science:

- Director, MindCORE, 2019-present
- Faculty Working Group on Mapping the Mind, 2019-2020
- Associate Director for Research, MindCORE, 2017-2019
- Pinkel Lecture Committee, 2016-2021
- Faculty Planning Group on Mapping the Mind, 2015-2017
- Strategic Planning Faculty Working Group, "Mapping the Mind", 2013-2014

Neuroscience Graduate Group:

- Clinical Neurosciences Training Program Faculty Advisory Board, 2016-present
- Admissions Ad Hoc Committee, 2015
- Organizer, Systems & Computational Neuroscience Lab Nights, 2013-2016
- Academic Review Committee, 2010-present
- Rotation Talks Committee, 2009-2010

Biomedical Graduate Studies:

- Pharmacology Graduate Group Review Committee, 2013-2014

Mahoney Institute for Neurosciences:

- Seminar Committee, 2014-2015

Center for Cognitive Neuroscience:

- Organizer, Professional Development Workshops, 2015-2016

brainSTIM Center:

- Internal Advisory Board, 2020-present

PROFESSIONAL ACTIVITIES

Leadership Positions:

- President-Elect, President and Immediate Past President, Society for Neuroeconomics, 2016-2019
- Chair, Program Committee, Society for Neuroeconomics, 2015-2017
- Program Committee, Society for Neuroeconomics, 2014-2015
- Elected Board Member, Society for Neuroeconomics, 2013-2016
- Co-chair of the Identity and Personality Network of the Human Capital and Economic

Opportunity Global Working Group, 2013-2023

Editorial Board:

- Editor, WIREs Cognitive Science, 2017-present

Ad-hoc Reviewer:

- Acta Psychologica; Addiction Biology; American Economic Review; Behavioral & Brain Sciences; Biological Psychiatry; Brain; Brain Research; Cerebral Cortex; Cognition; Cognitive, Affective and Behavioral Neuroscience; Cognitive Science; Computational Brain & Behavior; Cortex; Current Directions in Psychological Science; Depression & Anxiety; eLife; Emotion; European Journal of Neuroscience; Frontiers in Behavioral Neuroscience; Frontiers in Decision Neuroscience; Frontiers in Psychology; Games and Economic Behavior; Human Brain Mapping; Imaging Neuroscience; International Journal of Neural Systems; Journal of Cognitive Neuroscience; Journal of Economic Behavior and Organization; Journal of Experimental Psychology: General; Journal of Marketing Research; Journal of Neuroscience; Journal of Neurophysiology; Journal of Political Economy; Journal of the International Neuropsychological Society; Judgment and Decision Making; Learning and Motivation; Nature; Nature Communications; Nature Human Behavior; Nature Neuroscience; Neurocase; Neuroimage; Neuroimage: Clinical; Neuron; Neuropsychopharmacology; Neuroscience Letters; Nicotine & Tobacco Research; PLoS Biology; PLoS Computational Biology; Proceedings of the National Academy of Sciences; Psychological Bulletin; Psychological Review; Psychological Science; Quarterly Journal of Economics; Science; Trends in Cognitive Sciences

Grant Reviewer (ad-hoc):

- National Institutes of Health (Cognition and Perception; Human Complex Mental Function; Mechanisms of Sensory, Perceptual and Cognitive Processes; Social Psychology, Personality and Interpersonal Processes; NICHD and NIMH T32; Special Emphasis Panels: ZCA1-SLRB-2-J1; ZCA1-TCRB-Y-J3; ZRG1-BBBP-Z-04; ZCA1-SRB-J-J1; ZRG1 BBBP-T (56)); National Science Foundation (Cognitive Neuroscience; Decision, Risk and Management Sciences); Department of Defense (Defense Threat Reduction Agency); International Federation for Research in Experimental Economics; Israel Science Foundation; National Center for Responsible Gaming; Wellcome Trust

Conference Organizer:

- Neuroeconomics Summer School, Philadelphia, PA, July 17-29, 2023.
- Society for Neuroeconomics 15th Annual Meeting, Philadelphia, PA, October 4-7, 2019.
- Neuroeconomics Summer School, Shanghai, China, July 8-20, 2019.
- "The Effect of Socioeconomic Status on Identity and Personality," Chicago, IL, October 20, 2014.
- "Personality and Identity Formation in Childhood and Adolescence," Chicago, IL, May 24, 2013.
- "Decision Neuroscience: How Neuroscience can Inform Behavioral Decision Making Research – Overview, Methods & Applications," Ann Arbor, MI, August 21-23, 2009.

Invited Talks (National & International):

- ICM, Paris, France, September 25, 2023.

- “Multi-methodological Approaches to Modeling Preference and Choice: Progress, Pitfalls and Promises of Consumer Neuroscience” workshop at 12th Triennial Choice Symposium, Fountainebleu, France, August 9-13, 2023.
- Neuroeconomics Summer School, Philadelphia, PA, July 24, 2023.
- “Sharing Desired Futures: Practices of Futurecasting,” Linz, Austria, May 10-14, 2023.
- Department of Economics, University of Zurich, Zurich, Switzerland, March 10, 2022.
- Graduate School Alliance for Education in Coaching (GSAEC) Bonfire Virtual Summit, July 22, 2021.
- Virginia Tech Carilion Fralin Biomedical Research Institute, Roanoke, VA, October 25, 2019.
- Djavad Mowafaghian Centre for Brain Health, University of British Columbia, Vancouver, BC, October 11, 2019.
- Symposium on Neuroeconomics and Financial Decision Making, Federal Reserve Bank of Philadelphia, Philadelphia, PA, August 6, 2019.
- Neuroeconomics Summer School, Shanghai, China, July 11, 2019.
- TIAA Spring Research Forum, New York, NY, June 19, 2019.
- “From Individual Decision Making to the Population: Promises and Challenges for Decision Neuroscience” workshop at 11th Triennial Choice Symposium, Cambridge, MD, May 29-June 2, 2019.
- Princeton-Rutgers Center for Computational Psychiatry, New Brunswick, NJ, May 15, 2019.
- Montreal Neurological Institute, McGill University, Montreal, QC, Canada, April 23, 2019.
- “Decision Making under Risk and Uncertainty,” Neuroscience School for Advanced Studies, Venice, Italy, October 21, 2018.
- Department of Psychology, Beijing National University, Beijing, China, June 20, 2018.
- Department of Psychology, National Central University, Taipei, Taiwan, May 29, 2018.
- Department of Psychology, Beijing University, Beijing, China, May 17, 2018.
- Department of Psychology, National Chengchi University, Taipei, Taiwan, May 10, 2018.
- Department of Psychology, Southwest University, Chongqing, China, April 12, 2018.
- Systems, Cognitive and Computational Neuroscience, Columbia University, New York, NY, December 12, 2017.
- Department of Psychology, Columbia University, New York, NY, December 12, 2017.
- “Time, Decision, and Planning,” workshop at the University of Sydney, Sydney, Australia, November 20, 2017.
- Department of Psychology, University of Minnesota, Minneapolis, MN, November 1, 2017.
- Current Work in Behavior, Genetics & Neuroscience, Department of Psychology, Yale University, New Haven, CT, October 27, 2017.
- Cognition and Perception, Department of Psychology, New York University, New York, NY, October 19, 2017.
- Shanghai Collective Neuroeconomics Summer School, Shanghai, China, July 24, 2017.
- Faculty of Psychology, Southwest University, Chongqing, China, July 19, 2017.
- Translational Institute on Pain in Later Life (TRIPLL) Webinar Series, June 26, 2017.
- 7th International Symposium on the Biology of Decision-Making, Bordeaux, France, May 14, 2017.
- “Frontal Cortex Contributions to Decision-Making,” symposium at the 24th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, March 26, 2017.
- “Persistent Maladaptive Behaviors: Why We Make Bad Choices,” symposium at the

- University of Rochester, Rochester, NY, October 13, 2016.
- Neural and Cognitive Sciences Seminar, University of Maryland, College Park, MD, September 30, 2016.
 - Consumer Neuroscience Symposium, Berlin, Germany, August 27, 2016.
 - RWTH Aachen, Aachen, Germany, August 25, 2016.
 - “Predicting Choice: Using Neural Insights for Population-Level Forecasting” workshop at 10th Triennial Choice Symposium, Lake Louise, AB, Canada, May 17, 2016.
 - “Neuroscience of Decision-Making,” 38th International Symposium of the GRNSC, Universite de Montreal, Montreal, QC, Canada, May 2, 2016.
 - Department of Psychology, Bucknell University, Lewisburg, PA, February 11, 2016.
 - “Value-Based Decision-Making and Psychopathology: Parsing Cognition to Uncover Transdiagnostic Pathomechanisms,” panel at the 29th Annual Meeting of the Society for Research in Psychopathology, New Orleans, LA, October 17, 2015.
 - Center for Mind, Brain and Culture, Emory University, Atlanta, GA, September 24, 2015.
 - Shanghai Collective Neuroeconomics Summer School, Shanghai, China, July 17, 2015.
 - Dusseldorf Symposium for Decision Neuroscience, Dusseldorf, Germany, June 12, 2015.
 - Marketing Department, INSEAD, Fountainebleau, France, May 15, 2015.
 - Cognitive Science, University of Delaware, Newark, DE, April 17, 2015.
 - Behavioral Economics and Decision Research Workshop, Cornell University, Ithaca, NY, April 7, 2015.
 - NIDA Intramural Research Program Lecture Series, Baltimore, MD, July 29, 2014.
 - 4th Annual Interdisciplinary Symposium in Decision Neuroscience, Stanford University, June 6, 2014.
 - "Social, affective, and cognitive neuroscience in health decision making," symposium at 35th Annual Meeting of the Society of Behavioral Medicine, Philadelphia, PA, April 24, 2014.
 - Experimental Economics Seminar, Rutgers University, New Brunswick, NJ, April 2, 2014.
 - Affective Brain Lab Online Talk Series, March 20, 2014.
 - Department of Economics, University of Zurich, Zurich, Switzerland, December 12, 2013.
 - “Neuroscience of Self-control,” minisymposium at the 43rd Annual Meeting of the Society for Neuroscience, San Diego, CA, November 13, 2013.
 - Multidisciplinary Symposium on Reinforcement Learning and Decision Making, Princeton University, Princeton, NJ, October 25, 2013.
 - “Controversies in Neuroeconomics: Value Representation,” panel at the 10th Annual Meeting of the Society for Neuroeconomics, Lausanne, Switzerland, September 28, 2013.
 - Center for Neuroeconomics, New York University, New York, NY, September 17, 2013.
 - “Advancing Biological Understanding of Economic and Consumer Decision Making” workshop at 9th Triennial Choice Symposium, Noordwijk, Netherlands, June 13, 2013.
 - Department of Psychology, Columbia University, New York, NY, March 13, 2013.
 - Summer Institute in Cultural Neuroscience, University of Michigan, Ann Arbor, MI, July 17, 2012.
 - Symposium on Advances in Integrative Cognitive Neuroscience, National Yang-Ming University, Taipei, Taiwan, June 17, 2012.
 - Microeconomics Seminar, National Taiwan University, Taipei, Taiwan, June 14, 2012.
 - University of Iowa Marketing Department, Iowa City, IA, May 18, 2012.
 - Integrative Cell Signaling & Neurobiology of Metabolism Seminar, Yale University, New Haven, CT, October 4, 2011.

- Interdisciplinary Symposium in Decision Neuroscience, Temple University, September 17, 2011.
- Summer Institute in Cultural Neuroscience, University of Michigan, Ann Arbor, MI, July 27, 2011.
- Interdisciplinary Symposium in Decision Neuroscience, Temple University, September 26, 2010.
- “Decision Neuroscience” workshop at 8th Triennial Choice Symposium, Key Largo, FL, May 13, 2010.
- Neuromarketing Symposium, Fox School of Business, Temple University, Philadelphia, PA, March 26, 2010.
- “Decision making and learning: Beyond the basics” workshop at 7th Annual Computational and Systems Neuroscience meeting (COSYNE), Snowbird, UT, March 2, 2010.
- Cognitive Lunch Talk Series, Yale University, New Haven, CT, February 9, 2010.
- Neuroscience of Social Decision-Making Talk Series, Princeton University, Princeton, NJ, December 16, 2009.
- Department of Psychology, University of California at Berkeley, Berkeley, CA, March 17, 2008.
- McGovern Institute for Brain Research and Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, MA, February 26, 2008.
- Department of Psychological and Brain Sciences, Johns Hopkins University, Baltimore, MD, February 20, 2008.
- Department of Psychology, University of Wisconsin at Madison, Madison, WI, February 4, 2008.
- Department of Psychology, University of Pennsylvania, Philadelphia, PA, January 30, 2008.
- Department of Psychology, University of Pittsburgh, Pittsburgh, PA, January 7, 2008.
- Department of Psychology, Rutgers University at Newark, Newark, NJ, December 19, 2007.
- Division of the Humanities and Social Sciences, California Institute of Technology, Pasadena, CA, December 3, 2007.
- “Neuroeconomics: Decision-making and the Brain” conference at Brown University, Providence, RI, December 11, 2007.
- Center for Cognitive Neuroscience, University of Pennsylvania, Philadelphia, PA, October 8, 2007.
- Neuro-Finance Symposium, University of Zurich, Zurich, Switzerland, July 7, 2007.
- “The Neuroeconomics of Simple Choice” symposium at the Cognitive Neuroscience Society 14th Annual Meeting, New York, NY, May 7, 2007.
- Department of Neuroscience, Baylor College of Medicine, Houston, TX, February 5, 2007.
- “Strategies for Risk Communication: Evolution, Evidence and Experience” symposium hosted by the Society for Risk Analysis, Montauk, NY, May 17, 2006.
- Fiez lab, Department of Psychology, University of Pittsburgh, Pittsburgh, PA, November 4, 2003.
- Glimcher lab, Center for Neural Science, New York University, New York, NY, October 28, 2003.

Invited Talks (Local):

- "Addressing Aging: Medical Communication and Misinformation in Aging-related Research and Care", Institute on Aging's Sylvan M. Cohen Annual Research Retreat 2023, December

- 6, 2023
- MindCORE Summer Fellows, July 28, 2023
 - 8th Annual GVR Khodadad Lecture, University of Pennsylvania, Philadelphia, PA, December 5, 2019.
 - Center for Neuroscience & Society 10th Anniversary Reunion, University of Pennsylvania, Philadelphia, PA, August 2, 2019.
 - 60-Second Lecture, University of Pennsylvania, Philadelphia, PA, April 10, 2019.
 - Lifespan Brain Institute Imaging Seminar, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, February 28, 2019.
 - Clinical Neurosciences Training Seminar, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, October 20, 2017.
 - Grand Rounds, Department of Neurosurgery, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, March 2, 2017.
 - MINS Retreat, University of Pennsylvania, Philadelphia, PA, April 27, 2016.
 - Center for Health Incentives and Behavioral Economics, University of Pennsylvania, Philadelphia, PA, April 16, 2015.
 - Penn Neuroscience Public Lecture (for Brain Awareness Week), University of Pennsylvania, Philadelphia, PA, March 13, 2014.
 - Knowledge by the Slice, University of Pennsylvania, Philadelphia, PA, November 20, 2013.
 - 8th Winter School, DFG International Research Training Group 1328, Philadelphia, PA, November 2, 2013.
 - Center for Health Incentives and Behavioral Economics, University of Pennsylvania, Philadelphia, PA, March 28, 2013.
 - Population Studies Center, University of Pennsylvania, Philadelphia, PA, November 5, 2012.
 - Penn GSE Global Leadership Congress, Philadelphia, PA, May 16, 2012.
 - Grand Rounds, Department of Neurosurgery, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, May 10, 2012.
 - Treatment Research Center, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, February 6, 2012.
 - TEDxPenn, Philadelphia, PA, October 7, 2011.
 - Penn Science Cafe, Philadelphia, PA, May 11, 2011.
 - Translational Neuroimaging Seminar, University of Pennsylvania, Philadelphia, PA, April 13, 2011.
 - Neuropsychology Brown Bag, Department of Psychiatry, University of Pennsylvania, Philadelphia, PA, April 23, 2010.
 - Law & Brain Public Lecture Series, University of Pennsylvania Law School, Philadelphia, PA, April 7, 2010.
 - Decision Making in the Social Sciences Seminar, University of Pennsylvania, Philadelphia, PA, March 16, 2010.
 - 20th Annual Behavioral and Cognitive Neuroscience Retreat, University of Pennsylvania, Philadelphia, PA, December 11, 2009.
 - Center for Cognitive Neuroscience 10th Anniversary Reunion, University of Pennsylvania, Philadelphia, PA, October 2, 2009.
 - Population Studies Center Colloquium, University of Pennsylvania, Philadelphia, PA, April 13, 2009.
 - Translational Neuroimaging Seminar, University of Pennsylvania, Philadelphia, PA, April 8,

2009.

- Monell Chemical Senses Center, Philadelphia, PA, April 2, 2009.
- Neuroscience Graduate Group Recruiting Research Seminar, University of Pennsylvania, Philadelphia, PA, January 29 & February 19, 2009.
- Philosophy Politics and Economics (PPE) Colloquia, University of Pennsylvania, Philadelphia, PA, February 5, 2009.
- Decision Processes Colloquia, University of Pennsylvania, Philadelphia, PA, September 15, 2008.
- Center for Neuroeconomics, New York University, New York, NY, January 30, 2007.
- MRI Users' Group, New York University, New York, NY, April 28, 2006.
- Fellows Seminar, Center for Neural Science, New York University, New York, NY, February 17, 2005.
- Systems and Integrative Biology retreat, University of Pennsylvania, Philadelphia, PA, May 24, 2004.
- Moss Rehabilitation Research Institute, Philadelphia, PA, May 29, 2002.
- Systems and Integrative Biology retreat, University of Pennsylvania, Philadelphia, PA, May 20, 2002.