



JEFFREY S. STEIN, PH.D.

Center for Health Behaviors Research,
Fralin Biomedical Research Institute at VTC
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RESEARCH INTERESTS

Behavioral economics, psychology, health behavior, tobacco regulatory science

PROFESSIONAL POSITIONS

2020-present Associate Director, Center for Transformative Research on Health Behaviors,
Fralin Biomedical Research Institute at VTC

2019-present Assistant Professor, Fralin Biomedical Research Institute at VTC
Assistant Professor, Department of Human Nutrition, Foods, and Exercise,
Virginia Tech
Assistant Professor, Health Sciences, Virginia Tech

2016-2019 Research Assistant Professor, Virginia Tech Carilion Research Institute

2014-2016 Research Associate, Virginia Tech Carilion Research Institute

EDUCATION AND TRAINING

2010-2016 Ph.D., Behavioral Psychology, Utah State University
Advisor: Gregory J. Madden

2008-2010 M.A., Applied Behavioral Science, University of Kansas
Advisor: Gregory J. Madden

1998-2002 B.A., English Literature, University of Kansas

EDITORIAL POSITIONS

2015-present Editorial Board, *Journal of the Experimental Analysis of Behavior*

2008-present Ad hoc reviewer for:
Alcoholism: Clinical and Experimental Research
Analysis of Gambling Behavior
Annals of Clinical Psychiatry
Appetite
Behavior Research Methods
Behavioural Processes
BMJ Open
Clinical Psychological Science
Drug and Alcohol Dependence
Experimental and Clinical Psychopharmacology
Health Psychology
Journal of Experimental Psychology: Animal Behavior Processes
Journal of the Experimental Analysis of Behavior
Journal of Gambling Studies
Nicotine & Tobacco Research
Organizational Behavior and Human Decision Processes
PLoS ONE
Psychiatry Research
Psychology of Addictive Behaviors
Psychopharmacology

*The Psychological Record***AWARDS AND HONORS**

2012	Walter R. Borg Scholarship, Department of Psychology (\$3000), Utah State University.
2010	Experimental Analysis of Behavior Fellowship (\$2000), Society for Advancement of Behavior Analysis.
2008	Donald M. Baer Award for Outstanding Achievement in Basic Research and Conceptual Foundations, Department of Applied Behavioral Science, University of Kansas.
2007	Undergraduate Research Assistantship Award (\$1000), Office of Research and Graduate Studies, University of Kansas.

PROFESSIONAL AFFILIATIONS

2019-2020	The Obesity Society
2016-present	International Study Group Investigating Drugs as Reinforcers
2014-2015	American Psychological Association
2014-present	College on Problems of Drug Dependence
2014-present	Society for Research on Nicotine and Tobacco
2008-present	Society for the Quantitative Analysis of Behavior
2007-present	Association for Behavior Analysis
2008-2010	Mid-American Association for Behavior Analysis
2007-2008	Southeastern Association for Behavior Analysis

GRANTS

ACTIVE

Principal Investigator

1R01DK129567 (PI: Stein)	08/1/2021 – 7/30/2024
NIH-NIDDK	\$217,621 Annual Direct

Episodic Future Thinking to Improve Management of Type 2 Diabetes in Rural and Urban Patients: Remote Delivery and Outcomes Assessment to Increase Reach and Dissemination

The overall goal of this project is to facilitate weight loss and improve glycemic control in patients with type 2 diabetes using a remotely delivered episodic future thinking intervention (i.e., mental prospection) designed to reduce delay discounting, while minimizing participant and experimenter burden by using remote assessment of all study outcomes (e.g., weight, hemoglobin A1c).

Role: PI

Pilot feasibility grant (MPI: Davis, Stein)	7/1/2019 – 6/30/2022 (NCE)
Ctr for Transform. Res. on Health Behav, Va Tech	\$19,999 Annual Direct

Can Episodic Future Thinking Help Smooth the SNAP Benefit Cycle?

The goal of this research is two-fold. First, we seek to examine delay discounting as a potential therapeutic target related to benefit mismanagement in the Supplemental Nutrition Assistance Program (SNAP)—specifically, over-spending in early phases of the SNAP benefit cycle. Second, we seek to engage this target using an episodic future thinking intervention to determine if reducing delay discounting improves benefit management.

Role: MPI

1R21DA046339 (PI: Stein) 8/1/2018 – 7/31/2022 (NCE)
NIH-NIDA \$150,000 Annual Direct

E-Cigarette Substitution: Nicotine Strength as a Unit Price Manipulation and its Implications for Regulation

The overall goal of this project is to use an experimental analogue of the real-world tobacco marketplace to examine the effects of nicotine strength on e-cigarette consumption and the likelihood that current smokers will either switch to e-cigarettes (which may reduce harm) or use both products in combination (which may increase harm).

Role: PI

Co-Investigator (Co-I)

1P01CA217806-01 (MPI: Hatsukami, Shields) 9/20/2017 – 8/31/2022
NIH-NCI (Univ. of Minn. Subcontract) \$199,804 Annual Direct (sub)

Consortium on Methods of Evaluating Tobacco (COMET): Filter Ventilation and Product Standards

The overall goal of this project is to model regulatory restrictions banning cigarette filter ventilation and determine their effects on consumption of both cigarettes and a wide range of alternative tobacco products. Testing potential regulatory actions under controlled conditions will facilitate evidence-based policies that have a net benefit to health.

Role: Co-I

5P01CA200512-03 (MPI: Cummings, Fong) 4/19/2016 – 3/31/2022 (NCE)
NIH-NCI (Med. Univ. of SC Subcontract) \$222,758 Annual Direct (sub)

Evaluating How Tobacco Control Policies are Shaping the Nicotine Delivery Market (Sub-Project 8134: The Experimental Tobacco Marketplace (ETM))

The number one preventable cause of mortality and morbidity in the US is cigarette smoking. Identifying policies to reduce or eliminate smoking should therefore be a primary goal of regulatory science. The overall goal of this project is to experimentally assess the factors that influence tobacco consumption and consumer behavior. Testing proposed policy changes, such as restrictions on vaporized nicotine product use, in a laboratory setting before enacting them will help to identify any untoward, unanticipated effects and bolster the successful implementation of such policies within society.

Role: Co-I (Subcontract)

COMPLETED

Principal Investigator (PI)

1R21NR018349-01 (PI: Stein) 7/26/2018 – 6/30/2021 (NCE)
NIH-NINR \$160,061 Annual Direct

A Remotely Delivered Episodic Future Thinking Intervention to Improve Management of Type 2 Diabetes

The overall goal of this project is to use a remotely delivered prospective thinking intervention to improve treatment adherence and adherence-related outcomes in type 2 diabetes.

Role: PI

Pilot feasibility grant (MPI: Stein, Vaughn) 7/1/2018 – 06/30/2019; complete

Ctr for Transform. Res. on Health Behav, Va Tech

\$20,000 Annual Direct

Delay Discounting and Treatment Adherence in Hormone-Responsive Breast Cancer

The goal of this research is two-fold. First, we seek to identify associations between high rates of delay discounting and HT nonadherence in patients undergoing breast cancer treatment. The second goal of the proposed research is to investigate the acute efficacy of an episodic future thinking (EFT) intervention for reducing discounting and improving valuation of future health in breast cancer patients.

Role: MPI

Pilot Project Grant for Early Career Investigators (PI: Stein) 4/1/2017 – 3/31/2018; complete

Parent grant: 1P01 CA200512 (MPI: Cummings, Fong)

\$15,000 Annual Direct

NIH-NCI

Cross-Sectional and Longitudinal Assessment of E-Cigarette Valuation and Smoking Cessation

This pilot project utilizes behavioral economic methods to evaluate how current and former cigarette smokers value electronic cigarettes and to examine behavioral-economic and other predictors of electronic cigarettes' efficacy in smoking cessation.

Role: PI

Co-Investigator (Co-I)

5R01DA034755-05 (PI: Bickel)

7/15/2013 – 6/30/2019; complete

NIH-NIDA

Self-Control Improvement Intervention (SCII): Improving Abstinence in Smokers

This proposed project is a systematic effort to translate basic research on self-control failure into effective interventions to normalize or improve self-control (i.e., reduce delay discounting) among cigarette smokers. The project will delineate the target for subsequent intervention, self-control failure (i.e., excessive delay discounting), and its functional relation to measures that could determine whether smokers are stimulus bound.

Role: Co-I

4U19CA157345-05 (MPI: Hatsukami, Shields)

9/20/2012 - 8/31/2018; complete

NIH-NCI (Univ. of Minn. Subcontract)

Models for Tobacco Product Evaluation (Sub-Project 7351: Behavioral Economics Methods for Assessing Tobacco Products Abuse Liability)

The goal of the proposed research is to develop and validate methods for assessing abuse liability (the likelihood that a product will be used or abused) of tobacco products.

Role: Co-I

5UH2DK109543-03 (MPI: Epstein, Bickel)

9/1/2015 – 6/30/2018; complete

NIH-NIDDK (Univ. at Buffalo Subcontract)

\$254,181 Annual Direct (sub)

Delay Discounting as a Target for Self-Regulation in Prediabetes

We proposed a series of observational, laboratory and field studies to identify delay discounting as a behavioral target to improve behavioral and medical adherence and

metabolic control in adults who are in the prediabetes stage at high risk for development of overt Type 2 diabetes.

Role: Co-I

PUBLICATIONS

[Google Scholar profile](#)

Chapters

1. Bickel, W. K., **Stein, J. S.**, Moody, L. N., Snider, S. E., Mellis, A. M., & Quisenberry, A. J. (2017). Toward narrative theory: Interventions for reinforcer pathology in health behavior. In *Impulsivity* (pp. 227-267). Springer, Cham.
2. Bickel, W. K., Moody, L., Snider, S. E., Mellis, A. M., **Stein, J. S.**, & Quisenberry, A. J. (2017). The behavioral economics of tobacco products: Innovations in laboratory methods to inform regulatory science. In Y. Hanoch, T. Rice and A. Barnes (Eds.), *Behavioral Economics and Health Behaviors: Key Concepts and Current Research*.
3. Bickel, W. K., Snider, S. E., Quisenberry, A. J., **Stein, J. S.**, & Hanlon, C. A. (2016). Competing neurobehavioral decision systems theory of cocaine addiction: From mechanisms to therapeutic opportunities. In *Progress in brain research* (Vol. 223, pp. 269-293). Elsevier.
4. **Stein, J. S.**, & Madden, G. J. (2013). Delay discounting and drug abuse: Empirical, conceptual, and methodological considerations. In Mackillop, J., & de Wit, H. (Eds.). *The Wiley-Blackwell Handbook of Addiction Psychopharmacology* (pp. 165-208). Wiley-Blackwell: Oxford, UK.

Peer-reviewed articles, in print

2021

1. Athamneh, L. A., Brown, J. M., **Stein, J. S.**, Gatchalian, K. G., LaConte, S. M., & Bickel, W. K. (2021). Future thinking to decrease real-world drinking in alcohol use disorder: Repairing reinforcer pathology in a randomized proof-of-concept trial. *Experimental and Clinical Psychopharmacology*. Advance online publication.
2. Brown, J., Washington, W. D., **Stein, J. S.**, & Kaplan, B. A. (2021). The gym membership purchase task: Early evidence towards establishment of a novel hypothetical purchase task. *The Psychological Record*. Advance online publication.
3. Freitas-Lemos, R., **Stein, J. S.**, Pope, D. A., Brown, J., Feinstein, M., Stamborski, K. M., Tegge, A. N., Heckman, B. W., & Bickel, W. K. (2021). E-liquid purchase as a function of workplace restriction in the experimental tobacco marketplace. *Experimental and Clinical Psychopharmacology*. Advance online publication.
4. Freitas-Lemos, R., **Stein, J. S.**, Tegge, A. N., Kaplan, B. A., Heckman, B. W., Cummings, K. M., & Bickel, W. K. (2021). The illegal experimental tobacco marketplace I: Effects of vaping product bans. *Nicotine & Tobacco Research: Official Journal of the Society for Research on Nicotine and Tobacco*. Advance online publication.
5. Rockwell, M., **Stein, J.**, Gerdes, J., Brown, J., Holz Ivory, A., & Epling, J. (2021). Trust in healthcare and trust in science predict readiness to receive the covid-19 vaccine in Appalachia. <https://deepblue.lib.umich.edu/handle/2027.42/167136>
6. **Stein, J. S.**, Craft, W. H., Paluch, R. A., Gatchalian, K. M., Greenawald, M. H., Quattrin, T.,

Mastrandrea, L. D., Epstein, L. H., & Bickel, W. K. (2021). Bleak present, bright future: II. Combined effects of episodic future thinking and scarcity on delay discounting in adults at risk for type 2 diabetes. *Journal of Behavioral Medicine*. Advance online publication.

7. **Stein, J. S.**, & Madden, G. J. (in press). Choice bundling, unpacked: Observed and predicted effects on intertemporal choice in an additive model of hyperbolic delay discounting. *PLoS ONE*. Advance online publication.
8. Vaughn, J. E., Ammermann, C., Lustberg, M., Bickel, W., & **Stein, J.S.** (2021). Delay discounting as a potential therapeutic target to improve adjuvant endocrine therapy adherence in hormone-receptor positive breast cancer. *Health Psychology*, *40*(6), 398-407.

2020

9. Athamneh, L. N., Stein, M. D., Lin, E. H., **Stein, J. S.**, ... & Bickel, W. K. (2020). Setting a goal could help you control: Comparing the effect of health goal versus general episodic future thinking on health behaviors among cigarette smokers and obese individuals. *Experimental and Clinical Psychopharmacology*. Advance online publication.
10. Bickel, W. K., **Stein, J. S.**, Paluch, R. A., Mellis, A. M., Athamneh, L. N., Quattrin, T., ... & Epstein, L. H. (2020). Does Episodic Future Thinking Repair Immediacy Bias at Home and in the Laboratory in Patients With Prediabetes?. *Psychosomatic Medicine*, *82*(7), 699-707.
11. Epstein, L. H., Paluch, R. A., **Stein, J. S.**, Quattrin, T., Mastrandrea, L. D., Bree, K. A., ... & Bickel, W. K. (2020). Delay discounting, glycemic regulation and health behaviors in adults with prediabetes. *Behavioral Medicine*, 1-11.
12. Pope, D. A., Poe, L., **Stein, J. S.**, Kaplan, B. A., DeHart, W. B., Mellis, A. M., ... & Bickel, W. K. (2020). The Experimental Tobacco Marketplace: Demand and substitutability as a function of cigarette taxes and e-liquid subsidies. *Nicotine and Tobacco Research*, *22*(5), 782-790.
13. Sheffer, C. E., **Stein, J. S.**, Petrucci, C., Mahoney, M. C., Johnson, S., Giesie, P., ... & Bickel, W. K. (2020). Tobacco dependence treatment in oncology: Initial patient clinical characteristics and outcomes from Roswell Park Comprehensive Cancer Center. *International Journal of Environmental Research and Public Health*, *17*(11), 3907.
14. **Stein, J. S.**, Craft, W. H., Paluch, R. A., Gatchalian, K. M., Greenawald, M. H., Quattrin, T., ... & Bickel, W. K. (2020). Bleak present, bright future: II. Combined effects of episodic future thinking and scarcity on delay discounting in adults at risk for type 2 diabetes. *Journal of Behavioral Medicine*, 1-9.

2019

15. Athamneh, L. N., **Stein, J. S.**, & Bickel, W. K. (2019). Narrative theory III: Evolutionary narratives addressing mating motives change discounting and tobacco valuation. *Experimental and Clinical Psychopharmacology*. Advance online publication.
16. Athamneh, L., **Stein, J. S.**, Amlung, M., & Bickel, W. K. (2019). Validation of a brief behavioral economic assessment of demand among cigarette smokers. *Experimental & Clinical Psychopharmacology*, *27*(1), 96-102.
17. Bechara, A., Berridge, K., Bickel, W. K., Morón, J. A., Williams, S., & **Stein, J.S.**

(2019). A neurobehavioral approach to addiction: Implications for the opioid epidemic and the psychology of addiction. *Psychological Science in the Public Interest*, 20(2), 96-127.

18. Deshpande, H. U., Mellis, A. M., Lisinski, J. M., **Stein, J. S.**, Koffarnus, M. N., Paluch, R., ... & Bickel, W. K. (2019). Reinforcer pathology: Common neural substrates for delay discounting and snack purchasing in prediabetics. *Brain and cognition*, 132, 80-88.
19. Epstein, L. H., Paluch, R. A., **Stein, J. S.**, Mellis, A. M., Quattrin, T., Mastrandrea, L. D., ... & Bickel, W. K. (2019). Role of delay discounting in predicting change in HBA1c for individuals with prediabetes. *Journal of Behavioral Medicine*, 1-9.
20. Kaplan, B. A., Pope, D. A., Dehart, W. B., **Stein, J. S.**, Bickel, W. K., & Koffarnus, M. N. (2019). Estimating Uptake for Reduced-nicotine Cigarettes Using Behavioral Economics. *Tobacco Regulatory Science*, 5(3), 264-279.
21. Pope, D. A., Poe, L., **Stein, J. S.**, Snider, S. E., Bianco, A. G., & Bickel, W. K. (2019). Past and future preference reversals are predicted by delay discounting in smokers and non-smokers. *Experimental & Clinical Psychopharmacology*, 27(1), 19-28.

2018

22. Pope, D., Poe, L., **Stein, J. S.**, Kaplan, B. A., Heckman, B. W., Epstein, L. H., & Bickel, W. K. (2018). Experimental tobacco marketplace: substitutability of e-cigarette liquid for cigarettes as a function of nicotine strength. *Tobacco Control*, 28(2), 206-211.
23. Bickel, W. K., Pope, D. A., Kaplan, B. A., DeHart, W. B., Koffarnus, M. N., & **Stein, J. S.** (2018). Electronic cigarette substitution in the Experimental Tobacco Marketplace: A review. *Preventive Medicine*, 117, 98-106.
24. Epstein, L. H., **Stein, J. S.**, Paluch, R. A., MacKillop, J., & Bickel, W. K. (2018). Binary components of food reinforcement: Amplitude and persistence. *Appetite*, 120, 67-74.
25. Heckman, B. W., Fong, G. T., Borland, R., Hitchman, S., O'Connor, R. J., Bickel, W. K., **Stein, J.S.**, ... & Shang, C. (2018). The impact of vaping and regulatory environment on cigarette demand: behavioral economic perspective across four countries. *Addiction*, 114, 123-133.
26. Mellis, A., **Stein, J. S.**, Athamneh, L., Sze, Y. Y., Epstein, L. H., & Bickel, W. K. (2018). Less is more: Negative income shock increases immediate food preference in cross commodity discounting and food demand. *Appetite*, 129, 155-161.
27. **Stein, J. S.**, Heckman, B. W., Pope, D. A., Perry, E. S., Fong, G. T., Cummings, K. M., & Bickel, W. K. (2018). Delay discounting and e-cigarette use: An investigation in current, former, and never cigarette smokers. *Drug and Alcohol Dependence*, 191, 165-173.
28. **Stein, J. S.**, Koffarnus, M. N., Stepanov, I., Hatsukami, D. K., & Bickel, W. K. (2018). Cigarette and e-liquid demand and substitution in e-cigarette-naïve smokers. *Experimental and Clinical Psychopharmacology*, 26, 233-240.
29. **Stein, J. S.**, Tegge, A., Turner, J. K., & Bickel, W. K. (2018). Episodic future thinking reduces delay discounting and cigarette demand: An investigation of the good-subject effect. *Journal of Behavioral Medicine*, 41(2), 269-276.

2017

30. **Stein, J. S.**, Koffarnus, M. N., O'Connor, R., Hatsukami, D., & Bickel, W. K. (2017). Effects of filter ventilation on behavioral economic demand for cigarettes: A preliminary

investigation. *Nicotine & Tobacco Research*, ntx164.

31. **Stein, J. S.**, Sze, Y., Athamneh, L., Koffarnus, M. K., Epstein, L. H., & Bickel, W. K. (2017). Think fast: Rapid assessment of the effects of episodic future thinking on delay discounting in overweight/obese participants. *Journal of Behavioral Medicine*, 40(5), 852-838.
32. Athamneh, L., **Stein, J. S.**, & Bickel, W. K. (2017). Will delay discounting predict intention to quit smoking? *Experimental and Clinical Psychopharmacology*, 25(4), 273-278.
33. Athamneh, L., **Stein, J. S.**, Pope, D. A., Quisenberry A. J., & Bickel, W. K. (2017). The association between parental history and delay discounting among individuals in recovery from addiction. *Drug and Alcohol Dependence*, 179, 153-158.
34. Sze, Y., **Stein, J. S.**, Paluch, R., Bickel, W. K., & Epstein, L. H. (2017). Bleak present, bright future: Online episodic future thinking, scarcity, delay discounting, and food demand. *Clinical and Psychological Science*, 2167702617696511.
35. **Stein, J. S.**, Wilson, A. G., Koffarnus, M. N., Judd, M. C., & Bickel, W. K. (2017). Naturalistic assessment of demand for cigarettes, snus, and nicotine gum. *Psychopharmacology*, 234(2), 245-254.
36. Bickel, W. K., Pope, D. A., Moody, L. N., Snider, S. E., Athamneh, L. N., **Stein, J. S.**, & Mellis, A. M. (2017). Decision-based disorders: The challenge of dysfunctional health behavior and the need for a science of behavior change. *Policy Insights from the Behavioral and Brain Sciences*, 2372732216686085.
37. Mellis, A. M., Woodford, A. E., **Stein, J. S.**, & Bickel, W. K. (2017). A second type of magnitude effect. A second type of magnitude effect: Reinforcer magnitude differentiates delay discounting between substance users and controls. *Journal of the Experimental Analysis of Behavior*, 107, 151-160.
38. Brewer, A. B., Johnson, P. S., **Stein, J. S.**, Schlund, M., & Williams, D. C. (2017). Aversive properties of negative incentive shifts in Lewis and Fischer 344 rats. *Behavioural Brain Research*, 319, 174-180.

2016

39. Bickel, W. K., Snider, S. E., Quisenberry, A. J., & **Stein, J. S.** (2016). Reinforcer pathology: The behavioral economics of abuse liability testing. *Clinical Pharmacology & Therapeutics*, 101,185–187.
40. Bickel, W. K., Mellis, A. M., Snider, S. E., Moody, L., **Stein, J. S.**, & Quisenberry, A. J. (2016). Novel therapeutics for addiction: Behavioral economic and neuroeconomic approaches. *Current Treatment Options in Psychiatry*, 1-16.
41. **Stein, J. S.**, Wilson, A. G., Koffarnus, M. N., Daniel, T. O., Epstein, L. H., & Bickel, W. K. (2016). Unstuck in time: Episodic future thinking reduces delay discounting and cigarette smoking. *Psychopharmacology*, 233, 3771-3778

2015

42. Koffarnus, M. N., Franck, C. T., **Stein, J. S.**, & Bickel, W. K. (2015). A modified exponential behavioral economic demand model to better describe consumption data. *Experimental and Clinical Psychopharmacology*, 23, 504-512.
43. Renda, C. R., **Stein, J. S.**, & Madden, G. J. (2015). Effects of working-memory training on impulsive choice in male rats. *Journal of the Experimental Analysis of*

Behavior, 103(1), 50-61. Special issue: "Experimental Manipulation of Delay Discounting and Related Processes."

44. **Stein, J. S.**, Koffarnus, M., Snider, S. E., Quisenberry, A. J., & Bickel, W. K. (2015). Identification and management of nonsystematic purchase-task data: Toward best practice. *Experimental and Clinical Psychopharmacology*, 23, 377-388.
45. **Stein, J. S.**, Renda, C. R., Hinnenkamp, J. E., & Madden G. J. (2015). Impulsive choice, alcohol consumption, and pre-exposure to delayed rewards: II. Potential mechanisms. *Journal of the Experimental Analysis of Behavior*, 103(1), 33-49. Special issue: "Experimental Manipulation of Delay Discounting and Related Processes."
46. **Stein, J. S.**, Renda, C. R., Barker, S. M., Liston, K. J., Shahan, T. A., & Madden G. J. (2015). Impulsive choice predicts anxiety-like behavior, but not alcohol or sucrose self-administration, in male Long-Evans rats. *Alcoholism: Clinical and Experimental Research*, 39(5), 932-940.

2014

47. Craig, A. R., Maxfield, A. D., **Stein, J. S.**, Renda, C. R., & Madden, G. J. (2014). Do the adjusting- and increasing-delay tasks measure the same construct: Delay discounting? *Behavioural Pharmacology*, 25, 306-315.
48. Renda, C. R., **Stein, J. S.**, & Madden, G. J. (2014). Impulsive choice predicts poor working memory in male rats. *PLoS ONE*, 9, e93263.

2013

49. Johnson, P. S., **Stein, J. S.**, Smits, R. R., & Madden, G. J. (2013). Pramipexole-induced disruption of behavioral processes fundamental to intertemporal choice. *Journal of the Experimental Analysis of Behavior*, 99, 290-317.
50. Smits, R. R., **Stein, J. S.**, Johnson, P. S., Odum, A. L., & Madden, G. J. (2013). Test-retest reliability and construct validity of the experiential discounting task. *Experimental and Clinical Psychopharmacology*, 21, 155-163.
51. **Stein, J. S.**, Johnson, P. S., Renda, C. R., Smits, R. R., Liston, K. J., Shahan, T. A., & Madden, G. J. (2013). Early and prolonged exposure to reward delay: Effects on impulsive choice and alcohol self-administration in male rats. *Experimental and Clinical Psychopharmacology*, 21, 172-180.
52. **Stein, J. S.**, Smits, R. R., Johnson, P. S., Liston, K. J., & Madden, G. J. (2013). Effects of reward bundling on male rats' preference for larger-later food rewards. *Journal of the Experimental Analysis of Behavior*, 99, 150-158.

2012

53. Johnson, P. J., Madden, G. J., & **Stein, J. S.** (2012). Effects of acute pramipexole on male rats' preference for gambling-like rewards II. *Experimental and Clinical Psychopharmacology*, 20, 167-172.
54. **Stein, J. S.**, Pinkston, J. W., Brewer, A. T., Francisco, M. T., & Madden, G. J. (2012). Delay discounting in Lewis and Fischer 344 rats: Steady-state and rapid-determination adjusting-amount procedures. *Journal of the Experimental Analysis of Behavior*, 97, 303-319

2011

55. Madden, G. J., Francisco, M. T., Brewer, A. B., & **Stein, J. S.** (2011). Delay discounting

and gambling. *Behavioural Processes*, 87, 43-49.

Published Abstracts

1. Owen, S., Vaughn, J., **Stein, J.**, & Bickel, W. K. (2020). Recruitment of head and neck cancer patients in smoking research in rural Appalachia: considerations and challenges. In *Annals of Behavioral Medicine* (Vol. 54, pp. S338-S338). Oxford Univ Press Inc., Cary, NC
2. Vaughn, J., Ammerman, C., & **Stein, J. S.** (2020). Delay discounting as a predictor of adjuvant endocrine therapy adherence among breast cancer survivors. *Journal of Clinical Oncology*, 38(15 suppl) e24172.
3. Bickel, W., Snider, S., Hanlon, C., & **Stein, J.** (2017). Continuous theta burst TMS as a tool to change decision-making in smokers. *Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation*, 10(2), 487.
4. Koffarnus, M. N., Franck, C. T., **Stein, J. S.**, & Bickel, W. K. (2015). A behavioral economic demand model modification to improve versatility. *Drug and Alcohol Dependence*, 156, e116.
5. **Stein, J. S.**, Daniel, T. O., Epstein, L. H., & Bickel, W. K. (2015). Episodic future thinking reduces delay discounting and cigarette smoking. *Drug and Alcohol Dependence*, 156, e212.

ORAL AND POSTER PRESENTATIONS

Oral presentations

**Invited presentation

1. ****Stein, J. S.** (October, 2021). Behavioral economic demand and substitution in the study of health behavior: Recent advancements and the road ahead. Invited talk presented at the annual meeting of the Mid-American Association for Behavior Analysis, Detroit, MI.
2. ****Stein, J. S.** (October, 2019). Health and wellness cost time: Targeting delay discounting to reduce lifestyle-related morbidity and mortality. Invited talk presented at Carilion Clinic Psychiatry Grand Rounds, Roanoke, VA.
3. ****Stein, J. S.** (October 2019). Health and wellness cost time: Targeting delay discounting to reduce lifestyle-related morbidity and mortality. Invited talk presented at the annual meeting of the advisory board for Fralin Biomedical Research Institute at VTC, Roanoke, VA.
4. ****Stein, J. S.** (May, 2019). A remotely delivered episodic future thinking intervention to improve management of type 2 diabetes. Invited talk presented at the annual meeting of the Association for Psychological Science, Washington, D.C.
5. ****Stein, J. S.** (January, 2019). A remotely delivered episodic future thinking intervention to improve management of type 2 diabetes. Invited talk presented at the annual meeting of the NIH Science of Behavior Change Network, Bethesda, MD.
6. ****Stein, J. S.** (June, 2018). Using behavioral economics to understand and reduce lifestyle-related morbidity and mortality: Evidence from cross-sectional, longitudinal, and experimental studies. Invited talk presented at the Center for Behavioral Economic Health Research, College of Health and Human Performance, University of Florida, Gainesville, FL.
7. **Stein, J. S.**, Heckman, B. W., Pope, D. A., Perry, E. S., & Bickel, W. K. (June, 2018). Cross-sectional and longitudinal associations between delay discounting, cigarette smoking,

- and e-cigarette use. Paper presented at the annual meeting of the College of Problems on Drug Dependence, San Diego, CA.
8. **Stein, J. S.**, Satyal, M. K., & Bickel, W. K. (May, 2017). Effects of cigarette filter ventilation on behavioral economic demand and substitution. Paper presented at the annual meeting of the Association for Behavior Analysis International, Denver, CO.
 9. Bickel, W. K., Snider, S.E., Hanlon, C., & **Stein, J. S.** (March, 2017). Continuous theta burst TMS as a tool to change decision-making in smokers. In C. Hanlon, Chair. *Addiction. The Next Frontier in TMS Treatment Development? Translating Our Knowledge of Neural Circuits to Develop Evidence-Based Substance Abuse Treatment Strategies*. Symposium paper presented at the 2nd International Brain Stimulation Conference, Barcelona, Spain.
 10. Snider, S.E., Hanlon, C.A., **Stein, J.S.**, Bickel, W.K. (March, 2017) Continuous Theta Burst TMS as a tool to change decision-making in smokers. In C.E. Sheffer (Chair), *Innovative Brain Stimulation Techniques for Treating Tobacco Dependence*. Symposium present at the annual meeting of the Society for Research on Nicotine and Tobacco (CPDD), Florence, Italy.
 11. **Stein, J. S.**, Vannoy, M. R., Koffarnus, M. K., & Bickel, W. K. (June, 2016). Naturalistic assessment of cigarette and e-cigarette demand and substitution. Paper presented at the annual meeting of the International Study Group Investigating Drugs as Reinforcers, Palm Springs, CA.
 12. Bickel, W.K., Snider, S. E., **Stein, J. S.**, Mithoefer, O., Bianco, A. G., Perry, E. S., Hanlon, C. A. (June, 2016). Theta burst TMS as a tool to change smoking behavior. In C. A. Hanlon (Chair), *Developing Innovative Brain Stimulation Treatment Options for Substance Dependent Individuals: Translating Basic Science Knowledge of Neural Circuits to Our Clinics*. Symposium presented at the annual meeting of College on Problems of Drug Dependence, Palm Springs, CA.
 13. **Stein, J. S.**, Vannoy, M. R., & Bickel, W. K. (May, 2016). Predicting e-cigarette consumption in an uncertain future: Insights from behavioral economics. In **Stein, J. S. (Chair)**, *Recent Findings in Behavioral Economics: Method Innovations, E-Cigarette Abuse Liability, and Schedule-Dependent Choice*. Symposium paper presented at the annual meeting of the Association for Behavior Analysis International, Chicago, IL.
 14. **Stein, J. S.**, Koffarnus, M. K., & Bickel, W. K. (March, 2016). Hypothetical e-cigarette attributes modulate behavioral economic demand and substitution. In Huang, J. (Chair), *Public Health Policy and Health Economics*. Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.
 15. **Stein, J. S.**, Koffarnus, M. K., & Bickel, W. K. (March, 2016). Effects of negative income shock on cigarette demand and craving. In Augustin, E. (Chair), *Smoking in Low-Income Populations*. Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.
 16. **Stein, J. S.** (November, 2015). Predicting e-cigarette consumption in an uncertain future: Insights from behavioral economics. Invited talk presented at the annual Virginia Tech Carilion Research Institute faculty retreat, Roanoke, VA.
 17. **Stein, J. S.**, Renda, C. R., Barker, S. M., Draper, J., Hess, B., & Madden, G. J. (May, 2014). Impulsive choice, alcohol self-administration, and pre-exposure to delayed rewards. In P. Erb (Chair), *Translational Research in Health Behavior*. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.

18. **Stein, J. S.** (October, 2013; invited presentation). Delay discounting and alcohol self-administration: Naturally occurring and experimentally induced relations. Invited colloquium talk presented at Virginia Tech Carilion Research Institute, Roanoke, VA.
19. **Stein, J. S.**, Renda, C. R., Barker, S. M., Liston, K. J., & Madden, G. J. (October, 2013). Impulsive choice, alcohol self-administration, and prolonged pre-exposure to reward delay. In **Stein, J. S. (Chair)**, Delay Discounting in the Human and Nonhuman Laboratories: Effects of History, Drug Administration, and Commodity Type. Symposium paper presented at the annual, international meeting of the Association for Behavior Analysis, Mérida, Mexico.
20. **Stein, J. S.**, Renda, C. R., Barker, S., Liston, K. J., & Madden, G. J. (May, 2013). Impulsive choice and alcohol self-administration in male rats: naturally occurring and experimentally induced relations. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Minneapolis, MN.
21. **Stein, J. S.**, Johnson, P. S., Brewer, A. T., Smits, R. R., & Madden, G. J. (May, 2011). Training self-control choice: Implications, effects, and obstacles. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Denver, CO.
22. **Stein, J. S.**, Francisco, M. T., Pinkston, J. W., Johnson, P. S., Brewer, A. T., & Madden G. J. (May, 2010). Delay discounting in Lewis and Fischer 344 rats: Implications for an adjusting-amount procedure to detect between-strain differences. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, San Antonio, TX.
23. Brewer, A. T., **Stein, J. S.**, Johnson, P. S., Francisco, M. T., Williams, D. C., Saunders, K., & Madden, G. J. (May, 2010). Pausing following rich-to-lean transitions under variable-ratio schedules: Effects of schedule configuration. In J. Everly (Chair), Recent Findings on the Disruptive Effects of Transitions between Favorable and Unfavorable Schedules of Reinforcement. Symposium paper presented at the annual meeting of the Association for Behavior Analysis International, San Antonio, TX.
24. Johnson, P. S., **Stein, J. S.**, Brewer, A. T., Francisco, M. T., & Madden, G. J. (May, 2010). Effects of acute pramipexole on delay sensitivity in a concurrent-chains procedure. In A. A. Keyl (Chair), Quantitative Analysis of the Effects of Drugs on Behavior. Symposium paper presented at the annual meeting of the Association for Behavior Analysis International, San Antonio, TX.
25. Brewer, A. T., Smits, R. R., Johnson, P. S., Francisco, M. T., **Stein, J. S.**, & Madden, G. J. (May, 2010). A touch-screen apparatus using Visual Basic in the animal laboratory. In M. Perone (Chair), Advances in Computer Technology to Conduct Laboratory Experiments. Symposium presented at the annual meeting of the Association for Behavior Analysis International, San Antonio, TX.
26. Brewer, A. T., Johnson, P. S., **Stein, J. S.**, Francisco, M. T., Williams, D. C., & Madden, G. J. (May, 2009). Pre-ratio pausing following rich-to-lean transitions on multiple schedules in Fischer 344 and Lewis rats. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.
27. Johnson, P. S., Brewer, A. T., Pinkston, J. W., **Stein, J. S.**, Francisco, M. T., & Madden, G. J. (May, 2009). Delay discounting processes in pathological gambling: Pharmacological induction of impulsive behavior in the nonhuman laboratory. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.

Poster presentations

1. Mellis, A.M., Deshpande, H.U, Lisinski, J.M., **Stein, J.S.**,... & Bickel, W.K. (August, 2018) Neuromaging of decision-making in reinforcer pathology. Poster to be presented at the annual meeting of the American Psychological Association, San Francisco, CA.
2. **Stein, J. S.**, Turner, J. K. & Bickel, W. K. (June, 2018). Effects of positive and negative valence in episodic future thinking on delay discounting and cigarette craving. Poster presented at the annual meeting of the College on Problems of Drug Dependence, Montreal, CA.
3. Athamneh, L. A., **Stein, J. S.** Amlung, M., & Bickel. W. K. (June, 2018). Validation of a brief behavioral economic assessment of demand among cigarette smokers. Poster presented at the annual meeting of the College on Problems of Drug Dependence, San Diego.
4. **Stein, J. S.**, & Bickel, W. K. (February, 2018). Effects of filter ventilation on behavioral economic demand for cigarettes: A preliminary investigation. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Florence, IT.
5. Athamneh, L. A., **Stein, J. S.** Amlung, M., & Bickel. W. K. (February, 2018). Narrative theory III: Romance vs. sex narratives in changing delay discounting and tobacco valuation. Poster presented at the annual meeting of Society for Research on Nicotine & Tobacco, Baltimore, MD.
6. Athamneh, L. N., **Stein, J. S.**, Quisenberry, A. J., Pope, D. A., & Bickel, W. K. (June, 2017). The association between parental history and delay discounting among individuals in recovery from addiction. Poster presented at the annual meeting of the College on Problems of Drug Dependence, Montreal, Canada.
7. Mellis, A.M., **Stein, J.S.**, Bickel, W.K. (May, 2017). Narrative content, not source, drives differences in delay discounting. Poster presented at the 29th Association for Psychological Science Annual Convention, Boston, MA.
8. Athamneh, L. N., **Stein, J. S.**, & Bickel, W. K. (May, 2017). The effect of mating and self-protection motives on delay discounting. Poster presented at the annual meeting of the Association of Psychological Science, Boston, MA.
9. Mellis, A.M., **Stein, J.S.**, & Bickel, W.K. (May, 2017). Narrative content, not source, drives differences in delay discounting. Poster presented at the inaugural meeting of Trans-Disease Decision Processes and Therapeutics conference, Boston, MA.
10. Stuart, M.A., Mellis, A.M., **Stein, J.S.**, McBee, H., Greenawald, M. H., Epstein, L. H., & Bickel, W.K. (May, 2017). Recruiting prediabetic populations for behavioral research. Poster presented at the inaugural meeting of the Trans-Disease Decision Processes and Therapeutics conference. Boston, MA, USA. May, 2017.
11. **Stein, J. S.**, Koffarnus, M. K., & Bickel, W. K. (March, 2017). Effects of filter ventilation on behavioral economic demand for cigarettes: A preliminary investigation. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Florence, IT.
12. Athamneh, L. N., **Stein, J. S.**, & Bickel, W. K. (May, 2017). Will delay discounting predict intention to quit smoking? Poster presented at the annual meeting of the Society for Research on Nicotine & Tobacco, Florence, IT.
13. **Stein, J. S.**, & Bickel, W. K. (May, 2016). Modulating behavioral-economic demand and substitution using hypothetical e-cigarette attributes. Poster presented at the annual NIH

Tobacco Regulatory Science conference, Bethesda, MD.

14. **Stein, J. S.**, Wilson, A. G., Koffarnus, M. K., & Bickel, W. K. (August, 2015). Relative demand for snus and nicotine gum depends on the concurrent availability of cigarettes. Poster presented at the annual meeting of the American Psychological Association, Toronto, ON.
15. **Stein, J. S.**, Daniel, T. O., Epstein, L. H., & Bickel, W. K. (June, 2015). Episodic future thinking reduces delay discounting and cigarette smoking. Poster presented at the annual meeting of the College on Problems of Drug Dependence, Phoenix, Arizona.
16. Koffarnus, M. N., Franck, C. T., **Stein, J. S.**, & Bickel, W. K. (June, 2015). A behavioral economic demand model modification to improve versatility. Poster presented at the annual meeting of the College on Problems of Drug Dependence, Phoenix, Arizona.
17. **Stein, J. S.**, Wilson, A. G., Koffarnus, M. K., Franck, C.T., & Bickel, W. K. (February, 2015). Economic demand for cigarettes and cigarette alternatives: Laboratory and real-world abuse liability. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA.
18. **Stein, J. S.**, Renda, C. R., Barker, S., Liston, K. J., & Madden, G. J. (September, 2013). Impulsive choice, alcohol self-administration, and prolonged pre-exposure to delayed reinforcement. Poster presented at the first annual meeting of Behavior Change, Health, and Health Disparities, Burlington, VT.
19. Renda, C. R., **Stein, J. S.**, & Madden, G. J. (May, 2013). Effects of working memory training on delay discounting in rats. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Minneapolis, MN.
20. **Stein, J. S.**, Smits, R. R., Johnson, P. S., Renda, C. R., Liston, K. J., Barker, S., & Madden, G. J. (May, 2012). Effects of prolonged exposure to delayed reinforcement on impulsive choice and alcohol consumption in rats. Poster presented at the annual meeting of the Association for Behavior Analysis, Seattle, WA.
21. Johnson, P. S., **Stein, J. S.**, Smits, R. R., & Madden, G. J. (May, 2012). Pramipexole disrupts discrimination processes critical for intertemporal choice. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Seattle, WA.
22. Smits, R. R., **Stein, J. S.**, Johnson, P. S., & Madden, G. J. (April, 2012). Essential value of gambling-like schedules of reinforcement in male rats. Poster presented at the annual meeting of the Four Corners Association for Behavior Analysis, Winter Park, CO.
23. **Stein, J. S.**, Johnson, P. S., Brewer, A. T., Francisco, M. T., & Madden, G. J. (May, 2010). Experimental manipulation of delay discounting: Implications for subsequent gambling-like behavior. Poster presented at the annual meeting of the Association for Behavior Analysis, San Antonio, TX.
24. **Stein, J. S.**, Johnson, P. S., Brewer, A. T., Francisco, M. T., & Madden, G. J. (May, 2009). A percentile-like schedule for training delay tolerance in Wistar rats. Poster presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.
25. Brewer, A. T., Johnson, P. S., **Stein, J. S.**, Francisco, M. T., Williams, D. C., & Madden, G. J. (May, 2009). Pre-ratio pausing following rich-to-lean transitions on multiple schedules in Fischer 344 and Lewis rats. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.
26. Johnson, P. J., Brewer, A. T., **Stein, J. S.**, Francisco, M. T., & Madden, G. J. (May, 2009). Effects of pramipexole on choice for differential rewards using a within-session

- increasing delay procedure (May, 2009). Poster presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.
27. Francisco, M. T., Brewer, A. T., **Stein, J. S.**, Johnson, P. J., & Madden, G. J. (May, 2009). Impulsivity as a predictor of preference for gambling-like outcomes. Poster presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.
 28. Johnson, P. J., Brewer, A. T., Pinkston, J. W., **Stein, J. S.**, Francisco, M. T., & Madden, G. J. (May, 2009). Delay discounting processes in pathological gambling: Pharmacological induction of impulsive behavior in the nonhuman laboratory. Symposium paper presented at the annual meeting of the Association for Behavior Analysis, Phoenix, AZ.
 29. Brewer, A. T., Johnson, P. S., **Stein, J. S.**, Pinkston, J., Williams, D. C., & Madden, G. J. (October, 2008). Pre-ratio pausing following rich-to-lean transitions in Fischer 344 and Lewis rats. Poster presented at the annual meeting of the Mid-American Association for Behavior Analysis, Champaign-Urbana, IL.
 30. **Stein, J. S.**, Brewer A. T., & Williams, D. C. (May, 2008). Maladaptive behaviors following rich-to-lean transitions on multiple schedules. Poster presented at the annual convention of the Association for Behavior Analysis, Chicago, IL.
 31. Brewer, A. T., Johnson, P. S., **Stein, J. S.**, Pinkston, J., Williams, D. C., & Madden, G. J. (May, 2008). Pre-ratio pausing following rich-to-lean transitions on multiple schedules in Fischer 344 and Lewis rats. Poster presented at the annual meeting of the Association for Behavior Analysis, Chicago, IL.
 32. **Stein, J. S.**, Brewer A. T., Williams, D. C. (October, 2007). Maladaptive behaviors following rich-to-lean transitions on multiple schedules. Poster presented at the Southeastern Association for Behavior Analysis, Athens, GA.
 33. Brewer, A. T., Smith, N. G., Johnson, P. S., **Stein, J. S.**, Pinkston J. W., Williams D. C., & Madden, G. J. (August, 2007). Delay discounting as a predictor of pre-ratio pausing on multiple schedules in Fischer 344 and Lewis rats. Poster presented at the annual meeting of the Association for Behavior Analysis, Sydney, Australia
 34. Brewer, A. T., Johnson, P. S., Pyszczynski, A. D., **Stein, J. S.**, Smith, N. G., Wu, H., Williams, D. C., Pinkston, J.W., Woods, J., & Madden, G.J. (May, 2007). Preliminary effects of pramipexole on choice for differential rewards in a delay discounting paradigm. Poster presented at the annual convention of the Association for Behavior Analysis, San Diego, CA.
 35. Brewer, A. T., **Stein, J. S.**, Saunders, K., Madden, G. J., & Williams, D. C. (May, 2007). Maladaptive behaviors following rich-to-lean transitions. Poster presented at the annual convention of the Association for Behavior Analysis, San Diego, CA.

TEACHING

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| 2016 | Guest Lecturer (one semester), Department of Neuroscience, Virginia Tech, NEUR 4544 Neuroeconomics. Lecture topic: "The Behavioral Economics of Substance Use Disorders." |
| 2013 | Instructor (two semesters), Department of Psychology, Utah State University. PSY 1400/1410 Analysis of Behavior: Basic Principles. |

- 2008-2010 Graduate Teaching Assistant (five semesters), Department of Applied Behavioral Science, University of Kansas. ABSc 509 Contemporary Behavioral Science: Historical, Conceptual, and Comparative Foundations.
- 2008 Graduate Teaching Assistant (one semester), Department of Applied Behavioral Science, University of Kansas. ABSc 671/861 Applied Behavior Analysis.

Graduate Student Committees

- 2020-present Sarah Lynn, doctoral dissertation committee member, Human Nutrition, Foods, and Exercise, Virginia Tech
- 2020-present Angelina Hargrove, qualifying exam committee member, Human Nutrition, Foods, and Exercise, Virginia Tech
- 2020-present Sonal Sathe, doctoral dissertation committee member, Human Nutrition, Foods, and Exercise, Virginia Tech
- 2019-present Angelina Hargrove, doctoral dissertation committee member, Human Nutrition, Foods, and Exercise, Virginia Tech
- 2019-present Angelina Hargrove, qualifying exam committee member, Human Nutrition, Foods, and Exercise, Virginia Tech
- 2019-present Devin Tomlinson, doctoral dissertation committee member, Translational Biology, Medicine, and Health, Virginia Tech
- 2017-2018 Michael Sofis, doctoral dissertation committee member, Applied Behavioral Science, University of Kansas
- 2017-2018 Michael Sofis, comprehensive exam committee member, Applied Behavioral Science, University of Kansas
- 2017-2018 Olivia Privitera, masters thesis committee member, Human Nutrition, Food, and Exercise, Virginia Tech
- 2016-2019 Liqa Athamneh, doctoral dissertation committee member, Translational Biology, Medicine, and Health, Virginia Tech

MENTORSHIP

Graduate students

- 2021-present Mary King, doctoral candidate, Program in Translational Biology, Medicine, and Health, Virginia Tech
- 2020-present Jeremiah M. Brown, doctoral candidate, Department of Human Nutrition, Foods, and Exercise, Virginia Tech
- 2019 Amber Kelly, doctoral candidate (rotation student), Translational Biology, Medicine, and Health, Virginia Tech

Medical students

- 2018-present Kenan Michaels, medical student, Virginia Tech Carilion School of Medicine.
Project Title: Delay discounting as a predictor of smoking cessation following diagnosis with chronic obstructive pulmonary disease (COPD)
- 2016-2020 Stephen Owen, medical student, Virginia Tech Carilion School of Medicine.
Project Title: Delay discounting as a predictor of smoking cessation following head and neck cancer diagnosis

2014-2018 Perisa Ruhi, medical student, Virginia Tech Carilion School of Medicine.
Project Title: Effects of episodic future thinking specific to smoking-related illness on delay discounting, cigarette demand, and cigarette craving.

Undergraduate and high school students

2019 Anissa Ashraf, Translational Obesity Undergraduate Summer (TOUR) scholar, Virginia Tech
Project title: Delay discounting and health behavior in hormone-responsive breast cancer

2018 Elysia Lin and Madison Stein, high school students, Roanoke Valley Governor's School
Project title: Analysis of delay discounting and financial planning in at-risk populations

2015-2016 Marianne Vannoy, undergraduate student, Department of Psychology, Jefferson College of Health Sciences.
Project Title: Behavioral economic demand for conventional and electronic cigarettes.

UNIVERSITY SERVICE

2020 Working group on improving social justice, diversity, and inclusion at the Fralin Biomedical Research Institute at VTC and Roanoke, VA community

2019-2020 Search committee, department head, Department of Human Nutrition, Foods, and Exercise

REFERENCES

Available upon request