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Curriculum Vitae

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Education

2016 Ph.D., Behavioral Psychology, Utah State University

Mentor and committee chair: Gregory J. Madden

2010 M.A., Applied Behavioral Science, University of Kansas

Mentor and committee chair: Gregory J. Madden

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

Professional positions

2019-present Assistant Professor, Fralin Biomedical Research Institute at VTC

Assistant Professor, Human Nutrition, Foods, and Exercise, Virginia Tech

Associate Director, Center for Health Behaviors Research

2016-2019 Research Assistant Professor, Fralin Biomedical Research Institute at VTC

2014-2016 Postdoctoral/Research Associate, Fralin Biomedical Research Institute at VTC

Publications

[Google Scholar profile](#)

Citations: 3003

h-index: 28

i-10 index: 55

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denotes trainee author

BOOK CHAPTERS

1. Bickel, W. K.*, Moody, L. N., 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 *Behavioral Economics and Healthy Behaviors* (pp. 45–62). Routledge.
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PAPERS

In press

1. Brown, J. M.#, Miyazaki, E.#, & **Stein, J. S.*** (in press). Measuring behavioral economic demand for exercise: Development of the leisure-time-as-price hypothetical exercise purchase task. *Journal of the Experimental Analysis of Behavior*.

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2. Brown, J. M.#, Bickel, W. K., Epstein, H., L., & **Stein, J. S.*** (2023). Episodic future thinking in type 2 diabetes: Further development and validation of the Health Information Thinking control for clinical trials. *PLOS One*. Advance online publication.
3. Downey, H. M.#, Freitas-Lemos, R. F., Curran, K., Serrano, E. L., Davis, G. C., & **Stein, J. S.*** (2023). COVID-19-related financial scarcity is associated with greater delay discounting but not probability discounting. *Behavioural Processes*. Advance online publication.
4. Downey, H.#, Freitas-Lemos, R., Curran, K. M., Serrano, E. L., Davis, G. C., & **Stein, J. S.*** (2023). COVID-19-related financial scarcity is associated with greater delay discounting but not probability discounting. Available at SSRN 4326205.
5. Freitas-Lemos, R., Tegge, A. N., Athamneh, L. N., Yeh, Y. H., Craft, W. H., **Stein, J. S.***, ... & Bickel, W. K. (2023). Is perception reality? Associations among “light” cigarettes and number of cigarettes smoked per day. *Drug and Alcohol Dependence*, 244, 109709.
6. Freitas-Lemos, R., **Stein, J. S.**, Tegge, A. N., Kaplan, B. A., Heckman, B. W., McNeill, A., ... & Bickel, W. K.* (2022). Illegal Experimental Tobacco Marketplace II: effects of vaping product bans—findings from the 2020 International Tobacco Control Project. *Tobacco Control*, 31(Suppl 3), s1-s9.
7. Freitas-Lemos, R., Tegge, A. N., Craft, W. H., Tomlinson, D. C., **Stein, J. S.**, & Bickel, W. K.* (2022). Understanding data quality: Instructional comprehension as a practical metric in crowdsourced investigations of behavioral economic cigarette demand. *Experimental and Clinical Psychopharmacology*, 30(4), 415.
8. Rockwell, M. S., Frazier, M. C., **Stein, J. S.**, Dulaney, K. A., Parker, S. H., Davis, G. C., Rockwell, J. A., Castleman, B. L., Sunstein, C. R., & Epling, J. W. (2023). A “sludge audit” for health system colorectal cancer screening services. *The American Journal of Managed Care*. Advance online publication.
9. Tomlinson, D. C., Freitas-Lemos, R., Tegge, A. N., Yeh, Y. H., Dwyer, C. L., **Stein, J. S.**, & Bickel, W. K. (2023). Presentation matters: Effects of cigarette purchase task design on systematic data and purchasing behavior. *Experimental and Clinical Psychopharmacology*.
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12. Brown J.#, & **Stein, J. S.*** (2022). Putting prospection into practice: Methodological considerations in the use of episodic future thinking to reduce delay discounting and maladaptive health behaviors. *Frontiers in Public Health*, 10, 1020171.
 13. Brown, J.#, Washington, W. D., **Stein, J. S.**, & Kaplan, B. A. (2022). The Gym Membership Purchase Task: Early Evidence Towards Establishment of a Novel Hypothetical Purchase Task. *The Psychological Record*.
 14. Epstein, L. H.*, Paluch, R. A., Biondolillo, M. J., **Stein, J. S.**, Quattrin, T., Mastrandrea, L. D., Gatchalian, K., Greenawald, M. H., & Bickel, W. K. (2022). Effects of 6-month episodic future thinking training on delay discounting, weight loss and HbA1c changes in individuals with prediabetes. *Journal of Behavioral Medicine*, 45(2), 227–239.
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 19. Keith, D. R., Tegge, A. N., **Stein, J. S.**, Athamneh, L. N., Craft, W. H., Chilcoat, H. D., Le Moigne, A., DeVeaugh-Geiss, A., & Bickel, W. K. (2022).* Struggling With Recovery From Opioids: Who Is at Risk During COVID-19? *Journal of Addiction Medicine*, 10.1097/ADM.0000000000001096.
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24. Verdejo-Garcia, A.,* Rezapour, T., Giddens, E., Zonoozi, A. K., Rafei, P., Berry, J., Caracuel, A., Copersino, M. L., Field, M., Garland, E. L., Lorenzetti, V., Malloy-Diniz, L., Manning, V., Marceau, E. M., Pennington, D. L., Strickland, J., Wiers, R., Fairhead, R., Anderson, A., ... Ekhtiari, H. (2022). Cognitive training and remediation interventions for substance use disorders: A Delphi consensus study. In *bioRxiv*.

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31. Rockwell, M.*, **Stein, J. S.**, 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.
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38. Pope, D. A., Poe, L., **Stein, J. S.**, Kaplan, B. A., DeHart, W. B., Mellis, A. M., Heckman, B. W., Epstein, L. H., Chaloupka, F. J., & Bickel, W. K.* (2020). The Experimental Tobacco Marketplace: Demand and Substitutability as a Function of Cigarette Taxes and e-Liquid Subsidies. *Nicotine & Tobacco Research: Official Journal of the Society for Research on Nicotine and Tobacco*, 22(5), 782-790.
39. Sheffer, C. E.*, **Stein, J. S.**, Petrucci, C., Mahoney, M. C., Johnson, S., Giesie, P., Carl, E., Krupski, L., Tegge, A. N., Reid, M. E., Bickel, W. K., & Hyland, A. (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).

2019

40. Athamneh, L. N., **Stein, J. S.**, Amlung, M., & Bickel, W. K.* (2019). Validation of a brief behavioral economic assessment of demand among cigarette smokers. *Experimental and Clinical Psychopharmacology*, 27(1), 96–102.
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43. Epstein, L. H.*, Paluch, R. A., **Stein, J. S.**, Mellis, A. M., Quattrin, T., Mastrandrea, L. D., Bree, K. A., Greenawald, M. H., & Bickel, W. K. (2019). Role of delay discounting in predicting change in HBA1c for individuals with prediabetes. *Journal of Behavioral Medicine*, 42(5), 851–859.
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<https://www.ingentaconnect.com/content/trsg/trsg/2019/00000005/00000003/art00005>
46. Pope, D. A., Poe, L., **Stein, J. S.**, Kaplan, B. A., Heckman, B. W., Epstein, L. H., & Bickel, W. K.* (2019). Experimental tobacco marketplace: substitutability of e-cigarette liquid for cigarettes as a function of nicotine strength. *Tobacco Control*, 28(2), 206–211.
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48. Bickel, W. K.*, Mellis, A. M., Snider, S. E., Athamneh, L. N., **Stein, J. S.**, & Pope, D. A. (2018). 21st century neurobehavioral theories of decision making in addiction: Review and evaluation. *Pharmacology, Biochemistry, and Behavior*, 164, 4–21.
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52. **Stein, J. S.***, Heckman, B. W., Pop, 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 & Alcohol Dependence*, 191, 165–173.
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54. **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(3), 233–243.
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59. Bickel, W. K., Snider, S. E., Quisenberry, A. J., & **Stein, J. S.** (2017). Reinforcer Pathology: The Behavioral Economics of Abuse Liability Testing. *Clinical Pharmacology and Therapeutics*, 101(2), 185–187.
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PUBLISHED ABSTRACTS

1. Epling, J. W.*, Rockwell, M., **Stein, J. S.**, Davis, G., Rockwell, J., & Parker, S. (2023). "Sludge audit" to identify barriers to colorectal cancer screening. *The Annals of Family Medicine*, 21 (Supplement 1) 3842.
2. Owen, S.#, Vaughn, J., **Stein, J. S.***, & 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
3. 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.
4. Bickel, W. K.*, Athamneh, L., DeHart, W., & **Stein, J. S.** (2018, April). Narrative theory: Rebalancing dual processes to change cigarette valuation. in *Annals of Behavioral Medicine* (Vol. 52, pp. S141-S141). Journals Dept, 2001 Evans Rd, Cary, Nc 27513 Usa: Oxford Univ Press Inc.
5. Bickel, W.*, Snider, S., Hanlon, C., & **Stein, J. S.** (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.
6. Bickel, W. K.*, & **Stein, J. S.** (2017). The minute discounting task as a rapid assessment of state-dependent change in alcohol use disorders. In *Alcoholism-Clinical and Experimental Research* (Vol. 41, pp. 308A-308A). 111 River St, Hoboken 07030-5774, NJ Usa: Wiley.
7. 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.
8. **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.

Grants

ACTIVE

1. 3R01DK129567-02S1 – administrative supplement (08/01/2022 – 07/31/2023; NCE)
Role: PI
Sponsor: NIH-NIDDK
Title: Natural language processing to examine the influence of episodic future thinking content characteristics on decision making in diabetes prevention and management
2. 1R01DK129567-03 (08/01/2021 – 07/31/2024)
Role: PI
Sponsor: NIH-NIDDK
Title: 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
3. 1R25DA058482-01 (04/2023 – 03/2028)
Role: Co-I (PI: Hanlon)
Sponsor: NIH-NIDA
Title: CUBE: A Collaborative Undergraduate Biostatistics Experience to Diversify and Bring Awareness to the Field of Collaborative Biostatistics
4. 1R01CA266966-01A1 (07/2022 – 06/2027)
Role: Co-I (PI: Bickel)
Sponsor: NIH-NCI
Title: Experimental Tobacco Marketplace: Forecasting the Health Equity of Novel Tax Proposals
5. iTHRIV Pilot 2023 02/2023 – 01/2024
Role: Co-I (PI: Epling, Rockwell)
Sponsor: Carilion Clinic/ UVA iTHRIV/ NIH-NCATS CTSA UL1TR003015 flow-through
Title: Exploring Patient-Reported ‘Sludge’ in the Delivery of Cancer Screening Services
6. Red Gates Funding in Cancer Research
Role: Co-I (PI: Bickel)
Sponsor: Red Gates Foundation
Title: Major reduction in lung cancer through innovating tobacco cessation treatment trials

COMPLETE

7. 5P01CA217806-03 (09/20/2017 – 08/31/2023)
Role: Co-I (subcontract); MPIs: Hatsukami, Shields
Sponsor: Univ. of Minn. (NIH-NCI flow-thru)
Title: Consortium on Methods of Evaluating Tobacco (COMET): Filter Ventilation and Product Standards (Sub-Project ID: 5793: Project 3: The Abuse Liability and Substitution Profile of Removing Cigarette Ventilation in the Experimental Tobacco Marketplace)
8. 5R21DA046339-02 (08/01/2018 – 07/31/2022)
Role: PI
Sponsor: NIH-NIDA
Title: E-Cigarette Substitution: Nicotine Strength as a Unit Price Manipulation and its Implications for Regulations
9. 1R21NR018349-01 (7/26/2018 – 6/30/2021)

Role: PI

Sponsor: NIH-NINR

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

10. 5P01CA200512-05 (04/19/2016 – 03/31/2021)

Role: Co-I (subcontract); MPIs: Cummings, Fong

Sponsor: Med. Univ. of SC (NIH-NCI flow-thru)

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

11. R01DA034755 (07/15/2013 – 06/30/2019)

Role: Co-I; PI: Bickel

Sponsor: NIH-NIDA

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

Selected presentations (presenting or lead author only)

ORAL PRESENTATIONS

1. **Stein, J. S.** (June 2023). Assessing tobacco product abuse liability and forecasting effects of novel policies using behavioral economic demand and substitution. Invited talk presented to the Food & Drug Administration, Center for Tobacco Products, Office of Science Scientific Seminar Series..
2. **Stein, J. S.**, Tegge, A. N., Downey, H. M., Brown, J. M., & King, M. K. (May, 2023). Simultaneous assessment of delay, probability, and combined delay \times probability discounting: Extensions of a multiplicative model of discounting using effective delay 50. In **Stein, J. S.** (Chair), Methodological advancements in the study of discounting processes: Modeling more complex, naturalistic choices and exploring opportunities in longitudinal big data. Symposium paper to be presented at the annual meeting of the Association for Behavior Analysis International, Denver, CO.
3. Brown., J. M., & **Stein, J. S.** (June, 2022). The effect of flavor restrictions on demand for e-cigarettes in e-cigarette-naive smokers. Paper presented at the annual meeting of the College for Problems on Drug Dependence, Minneapolis, MN.
4. **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.
5. **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.
6. **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.
7. **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.
8. **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.
9. **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.
10. **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.
 11. **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.
 12. **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.
 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.

POSTER PRESENTATIONS

1. Brown, J. M., & **Stein, J. S.** (May, 2023), Time is money: Development of a novel leisure-time-as-price hypothetical exercise purchase task. Poster presented at the annual meeting of the Society for the Quantitative Analysis of Behavior, Denver CO.
2. Downey, H. M., & **Stein, J. S.** (May, 2023). Development of a discounting task for qualitatively different food rewards. Poster presented at the annual meeting of the Association for Behavior Analysis International, Denver, CO.
3. Downey, H. M., & **Stein, J. S.** (May, 2023). COVID-19 related financial scarcity is associated with greater delay discounting but not probability discounting. Poster presented at the annual meeting of the Association for Behavior Analysis International, Denver, CO.
4. King, M. J. & **Stein, J. S.** (May, 2023). Development of a reliable and objective rating system assessing cue quality in studies on episodic future thinking. Poster presented at the annual meeting of the Association for Behavior Analysis International, Denver, CO.
5. Brown, J. M., Epstein, L. H., Bickel, W. K., & **Stein, J. S.** (May, 2022). Evaluation of the Healthy Information Thinking Control for Episodic Future Thinking in Individuals with Diabetes. Poster presented at the annual meeting of the Association for Behavior Analysis International, Boston, MA.
6. Michaels, K., Vaughn, J., Bickel, W. K., & **Stein, J. S.** (March, 2022). Delay discounting as a predictor of smoking cessation following diagnosis with chronic obstructive pulmonary disease. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.
7. **Stein, J. S.**, Madden G. J., Bickel, W. K., Tegge, A. N., & Freitas-Lemos, R. (March, 2022). Choice Bundling Increases Valuation of Delayed Monetary Gains and Losses in Cigarette Smokers. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.
8. **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.
9. **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.
10. **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.
11. **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.

12. **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.
13. **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, AZ.
14. **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.
15. **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.
16. **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.
17. **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.
18. **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.
19. **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.
20. **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.

Teaching

2023	Guest lecture (one semester), Department of Human Nutrition, Foods, and Exercise, Virginia Tech, HNFE 2334: Introduction to Integrative Health
2023	Guest lecture (one semester), Department of Human Nutrition, Foods, and Exercise, Virginia Tech, HNFE 5204: Translational Science
2022	Guest lecture (one semester), Department of Human Nutrition, Foods, and Exercise, Virginia Tech, HNFE 5204: Translational Science
2022	Guest lecture (one semester), Department of Human Nutrition, Foods, and Exercise, Virginia Tech, HNFE 6064 Advanced Topics in Obesity
2021-2022	Guest biostatistics block facilitator (two semesters), Virginia Tech Carilion School of Medicine: Block III: Introduction to Biostatistics.
2016	Guest lecture (one semester), Department of Neuroscience, Virginia Tech, NEUR

- 4544: Neuroeconomics.
- 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.

Research Mentorship

GRADUATE STUDENTS

Committee chair

- 2022-present Haylee Downey, doctoral candidate, Translational Biology, Medicine, and Health, Virginia Tech
- 2021-present Mary King, doctoral candidate, Translational Biology, Medicine, and Health, Virginia Tech
- 2020-present Jeremiah Brown, M.A. doctoral candidate, Department of Human Nutrition, Foods, and Exercise, Virginia Tech

Committee co-chair

- 2023-present Candice Dwyer, doctoral candidate, Department of Psychology, Virginia Tech

Committee member

- 2019-2023 Devin Tomlinson, doctoral candidate, Translational Biology, Medicine, and Health, Virginia Tech, PhD granted spring 2023
- 2020-2023 Will Craft, doctoral candidate, Translational Biology, Medicine, and Health, Virginia Tech, PhD granted spring 2023
- 2021-2022 Sonal Sathe, doctoral candidate, Department of Human Nutrition, Foods, and Exercise, Virginia Tech
- 2020-2022 Sarah Lynn, doctoral candidate, Department of Human Nutrition, Foods, and Exercise, Virginia Tech, PhD granted spring 2022
- 2020-2022 Angelina Hargrove, doctoral candidate, Department of Human Nutrition, Foods, and Exercise, Virginia Tech, PhD granted spring 2022
- 2017-2018 Michael Sofis, doctoral candidate, Applied Behavioral Science, University of Kansas, PhD granted spring 2018
- 2017-2018 Olivia Privitera, masters candidate, Human Nutrition, Food, and Exercise, Virginia Tech, MS granted spring 2018
- 2016-2019 Liqa Athamneh, doctoral candidate, Translational Biology, Medicine, and Health, Virginia Tech, PhD granted spring 2019

MEDICAL STUDENTS

- 2023-present Grace Casado, medical student, Virginia Tech Carilion School of Medicine, anticipated graduation: 2027

- 2023-present Snigdha Nandipati, medical student, Virginia Tech Carilion School of Medicine, anticipated graduation: 2027
Project title: Episodic future thinking about the positive health effects of behavior change in type 2 diabetes management
- 2018-2022 Kenan Michaels, medical student, Virginia Tech Carilion School of Medicine, MD granted spring 2022
Project title: Delay discounting as a predictor of smoking cessation following diagnosis with chronic obstructive pulmonary disease (COPD)
Honors: received Letter of Distinction for Research Scholarship
- 2016-2020 Stephen Owen, medical student, Virginia Tech Carilion School of Medicine, MD granted spring 2020
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, MD granted spring 2018
Project title: Effects of episodic future thinking specific to smoking-related illness on delay discounting, cigarette demand, and cigarette craving.
Honors: received Letter of Distinction for Research Scholarship

UNDERGRADUATE STUDENTS

- 2023 Alicia Alvarez, Collaborative Undergraduate Biostatistics Experience (CUBE) Summer Scholar
Project title: Delay discounting and perceived reward certainty
- 2023 Makara Le, Collaborative Undergraduate Biostatistics Experience (CUBE) Summer Scholar
Project title: Effects of simulated negative income shock on delay discounting and cigarette craving in adults who smoke cigarettes
- 2022 Emi Miyasaki, Translational Obesity Undergraduate Summer (TOUR) scholar, Virginia Tech
Project title: Development and validation of the leisure-time-as-cost exercise purchase task
- 2021-2022 Rebekah Schlitzer, undergraduate student, Department of Psychology and School of Neuroscience, Virginia Tech
- 2019 Anissa Ashraf, Translational Obesity Undergraduate Summer (TOUR) scholar, Virginia Tech
Project title: Delay discounting and health behavior in hormone-responsive breast cancer
- 2015-2016 Marianne Vannoy, undergraduate student, Department of Psychology, Jefferson College of Health Sciences
Project title: Behavioral economic demand for conventional and electronic cigarettes.

HIGH SCHOOL STUDENTS

- 2023 Clara Guo, CHBR high school summer research scholar,
Project title: Cigarette smoking as a moderator of the association between delay discounting and body mass index

- 2022 Cassidy Mann, CHBR high school summer research scholar, Radford High School
Project title: Exploring moderators of the effects of episodic future thinking on delay discounting
Honors: 1st place, VT Summer SURF symposium awards
- 2022-2023 Evelyn Anderson, high school student, Roanoke Valley Governor's School
Project title: Effects of temporal distance in episodic future thinking on delay discounting in cigarette smokers
Honors: 3rd place, Roanoke Valley Governor's School Project Forum Awards, 2022
- 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

University and Community Service

SEARCH COMMITTEES

- 2023-present Search committee, tenure-track faculty, cancer prevention focus area, Fralin Biomedical Research Institute at VTC
- 2022-2023 Search committee, tenure-track faculty, exercise medicine focus area, Fralin Biomedical Research Institute at VTC
- 2021-2022 Search committee, tenure-track faculty, exercise medicine focus area, Fralin Biomedical Research Institute at VTC
- 2021-2022 Search committee, tenure-track faculty, obesity and metabolism focus area, Fralin Biomedical Research Institute at VTC
- 2019-2020 Search committee, department head, Department of Human Nutrition, Foods, and Exercise

OTHER COMMITTEES AND SERVICE

- 2022 Planning committee member, 2022 Brain Awareness Week at Fralin Biomedical Research Institute at VTC
- 2021-2022 Planning committee member for the 2022 Fralin Biomedical Research Institute at VTC faculty and trainee retreat
- 2021-present Co-founder and participant in the Center for Health Behaviors Research Summer Research Program for under-represented high school students
- 2020-2022 Co-founder and participant in a working group at Center for Health Behaviors Research on improving social justice, diversity, and inclusion at the Fralin Biomedical Research Institute at VTC and Roanoke, VA community
- 2020 Working group on improving social justice, diversity, and inclusion at the Fralin Biomedical Research Institute at VTC and Roanoke, VA community

Editorial positions

- 2022-present Editorial board, *Frontiers in Psychiatry*
- 2015-present Editorial board, *Journal of the Experimental Analysis of Behavior*

- 2023 Guest Editor, *Psychological Record*
- 2008-present Ad hoc reviewer for:
- | | |
|---|--|
| <i>Alcoholism: Clinical and Experimental Research</i> | <i>Journal of Experimental Psychology: Animal Behavior Processes</i> |
| <i>Analysis of Gambling Behavior</i> | <i>Journal of the Experimental Analysis of Behavior</i> |
| <i>Annals of Clinical Psychiatry</i> | <i>Journal of Gambling Studies</i> |
| <i>Appetite</i> | <i>Nicotine & Tobacco Research</i> |
| <i>Behavior Research Methods</i> | <i>Obesity Reviews</i> |
| <i>Behavioural Processes</i> | <i>Organizational Behavior and Human Decision Processes</i> |
| <i>BMJ Open</i> | <i>Drug and Alcohol Dependence</i> |
| <i>Clinical Psychological Science</i> | <i>PLoS ONE</i> |
| <i>Experimental and Clinical Psychopharmacology</i> | <i>Psychiatry Research</i> |
| <i>Health Psychology</i> | <i>Psychology of Addictive Behaviors</i> |
| <i>International Journal of Nursing Studies</i> | <i>Psychopharmacology</i> |
| <i>JAMA Pediatrics</i> | <i>The Psychological Record</i> |

Awards and honors

- 2012 Walter R. Borg Scholarship, Department of Psychology, Utah State University
- 2010 Experimental Analysis of Behavior Fellowship, 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, Office of Research and Graduate Studies, University of Kansas.

References

Available upon request