CURRICULUM VITAE

Stephen T. Higgins, Ph.D.
Director, Vermont Center for Behavior and Health
University Distinguished Professor
Professor and Virginia H. Donaldson Chair in Translational Science
University of Vermont College of Medicine

CONTACT INFORMATION

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EDUCATION & TRAINING

Shippensburg University, Shippensburg, Pennsylvania 1971-75
Major: Psychology
Degree: B.A. (Honors)

Shippensburg University, Shippensburg, Pennsylvania 1976-78
Major: Counseling
Degree: M.S.

University of Kansas, Lawrence, Kansas 1979-82
Major: Developmental and Child Psychology
Degree: M.A.

University of Kansas, Lawrence, Kansas 1982-83
Major: Developmental and Child Psychology
Degree: Ph.D.

Johns Hopkins University School of Medicine, Baltimore, Maryland 1983-85
Concentration: Behavioral Pharmacology and Drug Abuse
Postdoctoral Fellow

PROFESSIONAL APPOINTMENTS

1985-86 Research Associate, Department of Psychiatry, Behavioral Pharmacology Research Unit, Division of Behavioral Biology, Johns Hopkins University School of Medicine

1985-86	Staff Fellow, Addiction Research Center, National Institute on Drug Abuse
1986-89	Research Assistant Professor, Departments of Psychiatry and Psychological Science, University of Vermont
1989-92	Assistant Professor tenure track, Departments of Psychiatry and Psychological Science, University of Vermont
1992-97	Associate Professor with tenure, Departments of Psychiatry and Psychological Science, University of Vermont
1997-present	Professor with tenure, Departments of Psychiatry and Psychological Science, University of Vermont
2014-present	Virginia H. Donaldson Professor in Translational Science, Departments of Psychiatry and Psychological Science
2023-present	University Distinguished Professor
1986-2013	Co-Director, Human Behavioral Pharmacology Laboratory, Department of Psychiatry, University of Vermont
1990-present	Director and Co-Director, NIH-supported predoctoral and postdoctoral research training program in the behavioral pharmacology of human drug use disorders, Departments of Psychiatry and Psychological Science
2004-2022	Vice Chair for Research, Department of Psychiatry, University of Vermont
2013-present	Founder and Director, Vermont Center on Behavior and Health, Larner College of Medicine, University of Vermont

HONORS & AWARDS

1980-81	National Institute on Child Health and Development, Predoctoral Fellowship sponsored through the University Affiliated Facility, Children's Rehabilitation Unit, Kansas University Medical Center
1983	National Institute on Child Health and Development, Predoctoral Fellowship sponsored through the Department of Human Development, University of Kansas
1983-85	National Institute on Drug Abuse, Postdoctoral Fellowship sponsored through the Department of Psychiatry, Behavioral Pharmacology Research Unit, Division of Behavioral Biology, The Johns Hopkins University School of Medicine
1987	Travel Award, Committee on Problems of Drug Dependence, Department of Pharmacology, Medical College of Virginia
1992-present	Fellow, American Psychological Association, Divisions of Psychopharmacology and Substance Abuse (Div. 28), Experimental Analysis of Behavior (Div. 25), Addictions (Div. 50), Behavioral Neuroscience Comparative Psychology (Div. 6)
1993	Joseph Cochin Young Investigator Award, College on Problems of Drug Dependence
1996	Dan Anderson Research Award, Butler Center for Research, Hazelden Betty Ford Foundation, Center City, Minnesota
1997	University Scholar Award, University of Vermont, Burlington, Vermont

1999	President, Division of Psychopharmacology and Substance Abuse (Div. 28), American Psychological Association
2001	Don Hake Translational Research Award, American Psychological Association, Division of the Experimental Analysis of Behavior (Div. 25)
2008-2013	MERIT (Method to Extend Research in Time) Award, Treating Cocaine Abuse: A Behavioral Approach, National Institute on Drug Abuse, National Institutes of Health
2007-2008	President, College on Problems of Drug Dependence
2008-present	Fellow, College on Problems of Drug Dependence
2008-present	Fellow, Association for Behavior Analysis International
2008	G. Stanley Hall Lecture, Distinguished Contributions to Addiction, American Psychological Association (APA)
2010	Alumni Distinguished Achievement Award, Dept. of Applied Behavioral Science, University of Kansas
2011	Brady-Schuster Award in recognition of outstanding behavioral science research in psychopharmacology and substance abuse. Division of Psychopharmacology and Substance Abuse (Div. 28), American Psychological Association
2016-present	Fellow, Academy of Behavioral Medicine Research
2017	Mentorship Award in Addictions Research, College on Problems of Drug Dependence
2022	Award for Scientific Translation, Society for the Advancement of Behavior Analysis.
2022	Nathan B. Eddy Memorial Award, College on Problems of Drug Dependence (career achievement award)

PROFESSIONAL LICENSES

1986-present	Licensed Psychologist - Doctorate, State of Vermont

PROFESSIONAL SERVICE & AFFILIATIONS

University and Community Service

1987-89	Member of the University of Vermont Continuing Medical Education Committee
1991	Member of the Chittenden County Alliance Against Drug Abuse
1991-92	Member, Board of Directors, Wheeler House, Brattleboro, VT, (A Center for Teaching Independent Living Skills to the Hearing Impaired)
1997-1999	Member, Faculty Standards Committee, University of Vermont
1999-2005	Chair, Scientific Advisory Panel, Vermont Department of Health, Office of Alcohol and Drug Abuse Programs
2004-2022	Vice Chair for Research, Department of Psychiatry

Service to External Organizations

1980-81	Area Resource Person, Association for Behavior Analysis
1981-83	Affiliate Representative to the Executive Council, Association for Behavior Analysis
1985-86	Member of Program Committee, Division 25, American Psychological Association
1985-90	Program Coordinator in Behavioral Pharmacology, Association for Behavior Analysis
1987-90	Ad-hoc re/site visitor, Clinical and Behavioral Pharmacology Review Group, National Institute on Drug Abuse
1988-92	Secretary, Division 28 (Psychopharmacology and Substance Abuse) Executive Committee, American Psychological Association
1995-96	Member, Publications Committee, College on Problems of Drug Dependence, Inc.
1999-2000	President, Division 28 (Psychopharmacology and Substance Abuse), American Psychological Association
1999	Special Review Consultant, Special Emphasis Panel, National Institute on Drug Abuse
1999	Member, Subcommittee of National Advisory Council on Alcohol Abuse and Alcoholism on Review of Extramural Research Portfolio for Treatment
1999-present	Member, Divisions 28 (Psychopharmacology and Substance Abuse), and 50 (Addictions), American Psychological Association
1999-2001	Member, NIDA Training and Career Development Study Section
2000-2003	Member, National Advisory Committee for the Robert Wood Johnson Foundation's Smoke-Free Families Phase II Program
2000-2004	Member, Board of Directors, College on Problems of Drug Dependence, Inc.
2002-present	Ad-hoc Reviewer, Biobehavioral and Behavioral Processes Study Section, National Institutes of Health
2006-2009	President-elect, President, Past-President, College on Problems of Drug Dependence
2012-2016	Member, Board of Directors, College on Problems of Drug Dependence, Inc.
2012-2013	Ad-hoc Reviewer, Adult Psychopathology Study Section, National Institutes of Health
	Ad-hoc Reviewer, Conference Grants Study Section, National Institute on Drug Abuse, National Institutes of Health
	Ad-hoc Reviewer, Stage 1 reviews, Director's Early Independence Award Applications, National Institutes of Health
2014	Ad-hoc Reviewer, P50 Center Grants, National Institute on Drug Abuse
2014-2018	Chair, Food & Drug Administration and Tobacco Centers of Regulatory Science Vulnerable Populations Working Group
2017-2023	Member, External Advisory Board, Center on Biomedical Research Excellence (COBRE) on Neuroscience-based Mental Health Assessment and Prediction, Laureate Institute for Brain Research, Martin Paulus, MD, PI
2019-present	Chair, External Advisory Board, Center on Biomedical Research Excellence (COBRE) on Addiction & Disease Risk and Exacerbation, Brown University, Peter Monti, PhD, PI
2019-present	Chair, External Advisory Board, Center on Biomedical Research Excellence (COBRE) on Rural Drug Addiction Research Center, University of Nebraska, Rick Bevins, PhD, PI

2022-26	Member, NIH Advisory Committee, Office of Research on Women's Health
2026-present	Member, External Advisory Board, Institutes for Behavior Resources, Inc.

Membership in Professional Societies

Present	Member, College on Problems of Drug Dependence (CPDD)
Present	Member, American Psychological Association (APA, Divisions 25, 28, 50)
Present	Member, Society for Research on Nicotine and Tobacco (SRNT)
Present	Member, Academy of Behavioral Medicine Research

Editorial Activities

Editor for Behavioral Pharmacology, Journal of the Experimental Analysis of Behavior (1999-2003)

Board Member, Journal of Child and Adolescent Substance Abuse (2000-present)

Board Member, Experimental and Clinical Psychopharmacology (1999-2024)

Board Member, The Behavior Analyst (1986-1989)

Board Member, Journal of the Experimental Analysis of Behavior (1990-93, 1995-97, 1999, 2009-2012)

Board Member, Psychology of Addictive Behaviors (1998-2001)

Board Member, Addiction (2009-2015)

Board Member, Preventive Medicine (2014-2018)

Board Member, Journal of Rural Mental Health (2021-present)

Associate Editor, Preventive Medicine (2018-present)

Guest Reviewer (Selected sample)

Addictive Behaviors
American Journal of Preventive Medicine
American Psychologist
Annals of Internal Medicine
Archives of Pediatrics & Adolescent Medicine
Behavior Therapy
Behavioral Pharmacology
Biological Psychiatry
Drug and Alcohol Dependence
JAMA
JAMA Psychiatry
JAMA Network Open
JAMA Pediatrics
Journal of Pharmacology and Experimental Therapeutics
Journal of Applied Behavior Analysis
Journal of Consulting and Clinical Psychology
Journal of General Internal Medicine
Journal of Studies on Alcohol
Journal of Substance Abuse
Neuroscience and Biobehavioral Reviews
Pediatrics
Pharmacology Biochemistry and Behavior
Preventive Medicine
Psychopharmacology
Science

TEACHING AND MENTORING

University of Vermont 1986 – Present

- Course Co-Director "Research Seminar in Human Behavioral Pharmacology" (16 hours per semester) for psychology graduate students and postdoctoral fellows
- Course Co-Director "Behavior Analysis of Drug Dependence" or “Behavioral Economics of Health” (45 hours every 3 years) for psychology graduate students
- Clinical supervisor of pre-doctoral and postdoctoral fellows in the behavior therapy of drug abuse.
- Member of Ph.D. and Master's Theses Committees for graduate students in the Department of Psychology

Primary Faculty Advisor for the Following Fellows in Drug Abuse Research

Predoctoral

1. Craig R. Rush, Ph.D. (1988-92)
2. Michelle L. Van Etten, Ph.D. (1991-96)
3. Conrad J. Wong, Ph.D. (1995-00)
4. Stacey C. Sigmon, Ph.D. (1996-2002)
5. Jennifer Plebani Lussier, Ph.D. (2000-2004)
6. Laura Chivers, Ph.D. (2004-2006)
7. Matthew P. Bradstreet, Ph.D. (2007-2012)
8. Alexa Lopez, Ph.D. (2009-2014)
9. Drina Vurbic, M.A. (2012-2014)
10. Ivori Zvorsky, Ph.D. (2014-2019)
11. Danielle Davis, Ph.D. (2014-2019)
12. Carolyn Evemy, B.S. (2020-2022)

Postdoctoral

1. Alan J. Budney, Ph.D. (1990-1992)
2. John M. Roll, Ph.D. (1995-1997)
3. Jennifer W. Tidey, Ph.D. (1998-2000)
4. Sarah H. Heil, Ph.D. (2000- 2002)
5. Sheila M. Alessi, Ph.D. (2000-2002)
6. Jin Ho Yoon, Ph.D. (2005-2008)
7. Randall Rogers, Ph.D. (2005-2008)
8. Yukiko Washio, Ph.D. (2008-2011)
9. Thomas White, Ph.D. (2012-2015)
10. Ryan Redner, Ph.D. (2012-2015)
11. Allison Kurti, Ph.D. (2014-2017)
12. Diana R. Keith, Ph.D. (2015-2018)
13. Tyler D. Nighbor, Ph.D. (2017-2020)
14. Sulamunn R.M. Coleman, Ph.D. (2018-present)
15. Kaitlyn Browning, Ph.D. (2020-present)
16. Tyler Erath, Ph.D., (2021-present)
17. Katya Nolder, PhD, (2024-present)

RESEARCH GRANTS

Cumulative grant support: $152,960,764 ($105,798,289 as PI; $47,162,475 as Co-I)

Current

Principal Investigator, *National Institute on Drug Abuse*, (T32 DA07242), "Training in Behavioral Pharmacology of Drug Abuse", 3/2021 – 6/2026 (Competitive renewal pending))

Principal Investigator, *National Institute of General Medical Sciences*, Center for Biomedical Research Excellence (Phase 3 COBRE, P30 GM149331), “Vermont Center on Behavior and Health”, 8/2013 – 7/2028

Principal Investigator, *National Institute on Drug Abuse*, (UG3-UH3; UG3DA065232 component currently active.) "Examining a Digital Perinatal Smoking-Cessation Intervention", 5/2026-4/2028

Co-Investigator (Stacey C. Sigmon, PhD, PI), *Health Resources & Services Administration,* Center of Excellence (RCORP-RCOE, UD9RH33633), "University of Vermont Center on Rural Addiction", 9/2023 – 8/2028

Co-Investigator (Elias M. Klemperer, PhD, PI), *National Institute on Drug Abuse/ Food and Drug Administration* (R01DA059562)*, "*A Randomized Controlled Trial of Reduced Nicotine Cigarettes and E-cigarettes Among Dual Users"**,** 1/2024 – 12/2028

Co-Investigator (Kelly R. Peck, PhD, PI), *National Institute on Drug Abuse* (R01DA057308), "Novel Telemedicine-Delivered Prolonged Exposure Therapy for Treating PTSD in Individuals with OUD", 7/2023 – 5/2028

Sponsor (Tyler G. Erath, PhD, PI), National Institute on Drug Abuse (1K01DA060309) (PI: Erath), Agency: NIDA/HEAL, *"Using Implementation Science to Advance Evidence-Based Treatment for Stimulant Use"*, 01/2025 –12/2029

Past

Principal Investigator, *National Institute of General Medical Sciences*, Center for Biomedical Research Excellence (Phase 2 COBRE, P20 GM103644), "Vermont Center on Behavior and Health", 8/13 – 7/23 (NCE :8/23-7/25)

Principal Investigator, *National Institute on Drug Abuse & Food and Drug Administration*, Tobacco Centers of Regulatory Science (TCORS, U54 DA036114), "University of Vermont Tobacco Center of Regulatory Science", 09/13 – 8/23 (NCE: 8/23-7/25).

Investigator, *National Institute on Drug Abuse*, (R01 DA042790), "Interim Buprenorphine Treatment to bridge waitlist delays: Stage II evaluation," 09/17 – 07/21

Investigator, *National Institute on Drug Abuse,* (R01 DA04066) "Self-Administration of Nicotine Gum," 7/84 - 3/89

Principal Investigator, *National Institute on Drug Abuse and the National Institute on Alcohol Abuse and Alcoholism*, FIRST Award, (R29 DA04545), "Stimulant-Alcohol Combinations in Humans," 7/87 - 6/92

Principal Investigator, *National Institute on Drug Abuse*, (R01 DA05213) "Drug Effects on Social Interaction," 10/87 - 9/90

Investigator, *National Institute on Drug Abuse*, (R01 DA05538) "Drug Effects on Repeated Acquisition in Humans," 10/87 - 9/91

Investigator, *National Institute on Drug Abuse*, (R01 DA04843) "Caffeine as a Reinforcer in Humans," 5%, 8/88 - 10/95

Principal Investigator, *National Institute on Drug Abuse*, (R18 DA06113) "Behavioral Treatment for IV Cocaine Dependence," 9/89 - 8/94

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA06205) "Benzodiazepine Drug Discrimination in Humans," 3/90 - 2/98

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA06969) "Buprenorphine Pharmacology Related to Addiction Treatment," 9/90 - 8/05

Sponsor, *National Institute on Drug Abuse*, (F31 DA05382) "Sedative-Stimulant Combinations: Effects on Human Learning," 9/90 - 12/91

Principal Investigator, *National Institute on Drug Abuse,* (R01 DA08076) "Factors Influencing Cocaine use in Humans," 2/93 - 6/02

Co-Investigator, *Eli Lilly and Company*, "A Comparison of the Physiological, Psychomotor, and Self-Reported Effects of LY297802 and a Standard Compound in Humans," 8/94 - 2/95

Co-Investigator, *National Institute on Drug Abuse*, (DA08606) "Children of Drug Abusers: A Multisite Study," 9/94 - 8/31/96

Principal Investigator, *National Institute on Drug Abuse*, (R01 DA009378), "Treating Cocaine Abuse: A Behavioral Approach," 9/30/1994 – 3/31/2013

Co-Investigator, *National Institute on Drug Abuse*, (R29 DA08655) "Behavioral Treatment of Marijuana and other Drug Abuse," 9/94 - 7/99

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA12157) "Behavioral treatment of marijuana dependence," 8/99 - 7/02

Co-Investigator, *Eli Lilly and Company*, "A Comparison of the Physiological, Psychomotor, and Self-Reported Effects of LY303870 and a Standard Compound in Humans," 9/95 - 1/96

Co-Investigator, *National Institute on Drug Abuse*, (R37 DA06526) "Behavioral Economics of Human Drug Self-Administration," 6/90 – 8/04

Principal Investigator, *National Institute on Drug Abuse*, (R01 DA008076), "Modeling Initial Smoking Abstinence and Relapse Risk," 02/93 – 06/07

Co-Investigator, *National Institute on Drug Abuse*, (R29 DA10821) "Outcomes for Children of Drug Abusers: A Multi-Site Study," 6/98 – 5/03

C-Investigator, *National Institute on Drug Abuse*, (1R01 DA11692) "Impulsivity in Drug Dependence: Delay Discounting," 4/99 – 8/04

Principal Investigator, *National Institute on Drug Abuse*, (R01 DA14028), "Voucher-Based Incentives to Treat Pregnant Smokers," 6/01 – 5/06

Principle Investigator, *National Institute on Drug Abuse*, (R13 DA018424) "Future Directions in Contingency Management Research," 09/04 – 08/05

Co-Investigator, *Robert Wood Johnson Foundation,* "Characterizing Nicotine Withdrawal and Craving and Examining their Utility as Predictors of Relapse in Pregnant and Recently Postpartum Women," 9/04 – 8/06

Co-Investigator, *National Institute on Drug Abuse*, (R03 DA017813), "Early Abstinence Effect on Later Abstinence in Smokers," 5/04 – 4/06

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA018410), "Maternal Opioid Treatment: Human Experimental Research," 9/04 – 8/09

Principal Investigator, *National Institute on Drug Abuse* (R13 DA024956), "Women and Smoking: Understanding Socioeconomic Influences," 4/08 –03/09

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA019989), "Effective Treatment for Rx Opioid Abuse," 07/06 – 06/11

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA002491) "Characterizing Nicotine Withdrawal in Pregnant Smokers," 7/08 – 2/11

Principal Investigator, *National Institute on Drug Abuse*, (R01 DA014028), "Voucher-Based Incentives to Treat Pregnant Smokers," 8/06 – 5/11

Principal Investigator, *National Institute on Drug Abuse*, (R01 DA008076), "Modeling Initial Smoking Abstinence and Relapse Risk," 2/93 – 2/12

Co-Investigator, *National Institute on Drug Abuse*, (R01 DA019550), "Incentive Based Smoking Cessation for Methadone Patients," 7/06 – 05/12

Principal Investigator, *National Institute on Drug Abuse*, (R37 DA09378), "Treating Cocaine Abuse: A Behavioral Approach," 9/94 – 3/13

Co-Investigator, *National Institute of Health/National Institute on Drug Abuse*, (R34 DA030534), "Improving Effective Contraceptive Use among Opioid-maintained Women," 08/01/11-06/30/13

Co-Investigator, *National Institute of Health/National Institute on Drug Abuse*, (R34 DA037385), "Interim Treatment: Leveraging Buprenorphine & Technology to Bridge Waitlist Delays," 04/14 – 03/16

Principal Investigator, *National Institute of Child Health & Human Development,* (R01 HD075669), "Financial Incentives for Smoking Cessation Among Disadvantaged Pregnant Women," 3/13 – 5/19

Principal Investigator, *National Institute of Child Health & Human Development*, (R01 HD078332), "Behavioral Economic Approach to Reducing Maternal Smoking in Disadvantaged Women," 6/15 – 12/20 (NCE)

PUBLICATIONS

Citation Indices	***All***	***Since 2021***
Total citations	32,314	8,209
h-index	94	46
i10-index	362	195

https://scholar.google.com/citations?user=4_nZK8oAAAAJ&hl=en

Edited Volumes & Therapist Manuals

1. Dworkin, S.I., Higgins, S.T., & Bickel, W.K. (Eds.) (1990). Contemporary research in behavioral pharmacology, *Drug Development Research*, *20*.
2. Budney, A.J., & Higgins, S.T. (1998). *Treating cocaine dependence: A community reinforcement plus vouchers approach*. Rockville, MD: National Institute on Drug Abuse.
3. Higgins, S.T., and Katz, J.L. (Eds.) (1998). *Cocaine abuse: Behavior, pharmacology, and clinical application*. San Diego, CA: Academic Press.
4. Higgins, S.T., and Silverman, K. (Eds.) (1999). *Motivating behavior change in illicit-drug abusers: Contemporary research on contingency-management interventions*. Washington, DC: American Psychological Association.
5. Higgins, S.T. & Bickel, W.K. (Eds.) (2000). Decade of behavior. *Experimental and Clinical Psychopharmacology,* 8.
6. Silverman, K., Higgins, S.T., & Roll, J.M. (2008). Contingency management and addictions, *Journal of Applied Behavior Analysis,* 41.
7. Higgins, S.T., Silverman, K. & Heil, S.H. (Eds.). (2008). *Contingency management in substance abuse treatment*. New York, NY: The Guilford Press.
8. Higgins, S.T., & Chilcoat, H. (Eds.) (2009). Women and smoking: An interdisciplinary examination of socioeconomic influences. *Drug and Alcohol Dependence*, 104.
9. Higgins, S.T., Silverman, K., Sigmon, S.C., & Naito, N.A. (Eds.) (2012). Financial incentives and health. *Preventive Medicine*, *55*.

10. Higgins, S.T. (Ed.) (2014). Behavior change, health, and health disparities. *Preventive Medicine, 68*.
11. Higgins, S.T. (Ed.) (2015). Behavior change, health, and health disparities. *Preventive Medicine, 80*.
12. Higgins, S.T. (Ed.) (2016). Behavior change, health, and health disparities. *Preventive Medicine, 80*.
13. Higgins, S.T. (Ed.) (2017). Behavior change, health, and health disparities. *Preventive Medicine, 104*.
14. Higgins, S.T. (Ed.) (2018). Behavior change, health, and health disparities. *Preventive Medicine, 117.*
15. Higgins, S.T. (Ed.) (2019). Behavior change, health, and health disparities. *Preventive Medicine, 128.*
16. Higgins, S.T. (Ed.) (2020). Behavior change, health, and health disparities 2020: Some current challenges in tobacco control and regulatory science. *Preventive Medicine,* 140.
17. Higgins, S.T. (Ed.) (2021). Behavior change, health, and health disparities 2021: Rural addiction and health, *Preventive Medicine,* 152.
18. Higgins, S.T. (Ed.) (2022). Behavior change, health, and health disparities 2022: Innovations in tobacco control and regulatory science to reduce cigarette smoking. *Preventive Medicine,*165 (Part B).
19. Higgins, S.T. (Ed.) (2023). Behavior change, health, and health disparities 2023: Contingency management for treating substance use disorders and promoting health in vulnerable populations. *Preventive Medicine,* 176.
20. Higgins, S.T. (Ed.) (2024). Behavior change, health, and health disparities 2024: Smoking and other tobacco use among women and girls. *Preventive Medicine,* 188.
21. Higgins, S.T. (Ed.) (2025). Behavior change, health, and health disparities 2025: Intersections of tobacco use with other addictions, chronic disease, and health disparities.
22. Higgins, S.T. (Ed.) (2026). Behavior change, health, and health disparities 2026: Contributions of behavioral pharmacology and behavioral economics to advancing addiction science.

Articles, Book Chapters & Letters (= Refereed Publications)*

*1. Morris, E.K., Higgins, S.T., & Bickel, W.K. (1982). The influence of Kantor's interbehavioral psychology on behavior analysis. *The Behavior Analyst*, *5*, 158-173.

*2. Morris, E.K., Higgins, S.T., & Bickel, W.K. (1982). Comments on cognitive science in the experimental analysis of behavior. *The Behavior Analyst*, *5*, 109-125.

*3. Altman, K., Haavik, S., & Higgins, S.T. (1983). Modifying the self-injurious behavior of an infant with spina bifida and diminished pain sensitivity. *Journal of Behavior Therapy and Experimental Psychiatry, 14*, 165-168.

4. Morris, E.K., Higgins, S.T., & Bickel, W.K. (1983). J. R. Kantor's contributions to contemporary behaviorism. In N. W. Smith, P. T. Mountjoy, and D. Ruben (Eds.), *Reassessment in psychology: The interbehavioral alternative.* (A Festschrift for J. R. Kantor). Washington, DC: University Press of America.

*5. Higgins, S.T., & Morris, E.K. (1984). Generality of free-operant avoidance conditioning to human behavior. *Psychological Bulletin*, *96*, 247-272.

6. Bigelow, G.E., Brady, J.V., Griffiths, R.R., Stitzer, M.L., Ator, N.A., Higgins, S.T., Liebson, I.A., & Lukas, S.E. (1985). Progress report from the Division of Behavioral Biology, The Johns Hopkins University School of Medicine. *NIDA Research Monograph, Problems of Drug Dependence, 1984, Proceedings of the 46th Annual Scientific Meeting, Committee on Problems of Drug Dependence* (pp. 66-75).

*7. Higgins, S.T., & Morris, E.K. (1985). A comment on contemporary definitions of reinforcement as a behavioral process. *The Psychological Record*, *35*, 81-88.

8. Higgins, S.T., Stitzer, M.L., Bigelow, G.E., & Liebson, I.A. (1985). Contingent methadone dose increases as a method for decreasing illicit opiate use by detoxification patients. *NIDA Research Monograph, Problems of Drug Dependence, 1984, Proceedings of the 46th Annual Scientific Meeting, Committee on Problems of Drug Dependence*, 178-184.

*9. Higgins, S.T., Stitzer, M.L., McCaul, M.E., Bigelow, G.E., & Liebson, I.A. (1985). Pupillary response to a methadone challenge in chronic heroin users. *Clinical Pharmacology and Therapeutics*, *37*, 460-463.

*10. Bickel, W.K., Higgins, S.T., & Stitzer, M.L. (1986). Choice of blind methadone dose increases by methadone maintenance patients. *Drug and Alcohol Dependence*, *18*, 165-171.

*11. Higgins, S.T., Stitzer, M.L., Bigelow, G.E., & Liebson, I.A. (1986). Contingent methadone delivery: effects on illicit opiate use. *Drug and Alcohol Dependence*, *17*, 311-322.

*12. Higgins, S.T., & Stitzer, M.L. (1986). Acute marijuana effects on social conversation. *Psychopharmacology*, *89*, 234-238.

*13. Higgins, S.T., Bickel, W.K., O'Leary, D.K., & Yingling, J. (1987). The acute effects of ethanol and diazepam on the acquisition and performance of response sequences in humans. *Journal of Pharmacology and Experimental Therapeutics*, *243*, 1-8.

14. Higgins, S.T., Hughes, J.R., & Gallagher, R.M. (1987). Introducing behavioral pharmacology: A review of primers by Poling and Carlton. *The Behavior Analyst*, *10*, 277-281.

15. Hughes, J.R., & Higgins, S.T. (1987). Behavioral and pharmacological treatments for drug abuse. *Vermont Psychologist*, *11*, 2-31.

16. Morris, E.K., Higgins, S.T., & Bickel, W.K. (1987). An introduction to contemporary behaviorism: history, concepts, and a system of analysis. In E.K. Morris and C.J. Braukman (Eds.), *Behavioral approaches to crime and delinquency: A handbook of application, research, and concepts*. New York: Plenum Press.

*17. Bickel, W.K., Higgins, S.T., Kirby, K., & Johnson, L.M. (1988). An inverse relationship between baseline fixed interval response rate and the effects of a tandem response requirement. *Journal of the Experimental Analysis of Behavior, 50*, 211-218.

18. Higgins, S.T., Preston, K.L., Cone, E.J., Henningfield, J.E., & Jaffe, J.H. (1988). Behavioral, physiological, and hormonal effects of a naloxone challenge following acute morphine pretreatment in humans. In L.S. Harris (Ed.), *NIDA Research Monograph, Problems of Drug Dependence, 1987, Proceedings of the 49th Annual Scientific Meeting, Committee on Problems of Drug Dependence, Inc*. (pp. 202-208).

*19. Higgins, S.T., & Stitzer, M.L. (1988). Effects of alcohol on speaking in isolated subjects. *Psychopharmacology*, *95*, 189-194.

*20. Higgins, S.T., & Stitzer, M.L. (1988). Time allocation in a concurrent schedule of social interaction and monetary reinforcement: Effects of *d*-amphetamine. *Pharmacology, Biochemistry & Behavior*, *31*, 227-231.

21. Hughes, J.R., Gust, S., Keenan, R., Skoog, K., Pickens, R., Ramlet, D., Healey, M., & Higgins, S.T. (1988). Efficacy of nicotine gum in general practice: One-year follow-up. In L.S. Harris (Ed.), *NIDA Research Monograph, Problems of Drug Dependence, 1987, Proceedings of the 49th Annual Scientific Meeting, Committee on Problems of Drug Dependence*, 59.

*22. Morris, E.K., Johnson, L.M., Todd, J.T., & Higgins, S.T. (1988). Subject selection in the experimental analysis of human behavior. *The Behavior Analyst*, *11*, 43-50.

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PRESENTATIONS (sample from 2014-2026)

January 2014. *Low Nicotine Content Cigarettes in Vulnerable Populations: Childbearing Age Women*. Tobacco and Reproductive Health: Enhancing the Science Base. Washington, DC.

April 2014. *Behavioral interventions for smoking cessation*. Behavioral Pharmacology Society Meeting @ Experimental Biology/American Society for Pharmacology & Experimental Therapeutics Annual Meeting. San Diego, CA.

April, 2014. *Financial Incentives for Smoking Cessation among Disadvantaged Pregnant Women*. Oral presentation as part of the symposium, New Preclinical and Clinical Perspectives for Smoking Cessation, at the annual meeting of American Society for Pharmacology and Experimental Therapeutics, San Diego, CA.

June 2014. *Some reflections on 20 years of research on the use of financial incentives to promote behavior change*. 20th Annual Contingency Management Working Group at the Annual College on Problems of Drug Dependency (CPDD) Meeting. San Juan, PR.

June 2014. *Health Behaviors and Behavioral Sciences*. 5th Biennial National IDeA (Institutional Development Award) Symposium of Biomedical Research Excellence (NISBRE). Washington, DC.

October 2014. *Challenges of Cigarette Smoking Among Disadvantaged Women*. Behavior Change, Health, and Health Disparities. Vermont Center on Behavior & Health 2nd Annual Conference, Burlington, VT.

November 2014. *Financial Incentives Among Disadvantaged Pregnant Smokers*. Invited Grand Rounds presentation at the University of Texas, Houston. Houston, TX.

February 2015. *Contingency Management in Pregnant and Newly Postpartum Women*. Society for Research on Nicotine and Tobacco (SRNT). Philadelphia, PA.

June 2015. *Behavioral Economics of Health Disparities in Addiction*. Annual College on Problems of Drug Dependency (CPDD) Meeting. Phoenix, AZ.

October 2015. *Behavioral Economics and Vulnerability to Tobacco Use in Economically Disadvantaged Women.* Behavior Change, Health and Health Disparities. Vermont Center on Behavior & Health 3rd Annual Conference, Burlington, VT.

January 2016. *Tobacco Control and Regulatory Science in Vulnerable Populations*. Markey Cancer Center, University of Kentucky. Lexington, KY.

March 2016. *Tobacco Control and Regulatory Science in Vulnerable Populations*. Symposium 7, Society for Research on Nicotine and Tobacco (SRNT). Chicago, IL

June, 2016. *The Role of Incentives in Health Promotion in Disadvantaged Populations*. New Member Ceremony. Academy of Behavioral Medicine Research Annual Meeting. Whistler, BC

June, 2016. *Vermont Center on Behavior and Health*. iPoster presentation. 6th Biennial National IDeA Symposium of Biomedical Research Excellence (NISBRE). Washington, DC.

July, 2016. *Using Behavioral Science to Evaluate the Feasibility of a National Nicotine Reduction Policy.* Symposium, American Psychological Association (APA) 124th Annual Meeting. Denver, CO.

October 2016. *Full-flavor Cigarettes & Nicotine-Dependence Risk in Vulnerable Populations.* Behavior Change, Health and Health Disparities. Vermont Center on Behavior & Health 4th Annual Conference, Burlington, VT.

December, 2016. *Some Recent Developments on Financial Incentives for Smoking Cessation Among Pregnant and Newly Postpartum Women.* International Congress of Behavioral Medicine. Melbourne, Australia.

March, 2017. *Examining Tobacco Control and Regulatory Science Questions in the Clinical Laboratory Setting*. Symposium presentation. Symposium entitled: Contributions of Basic Science to Public Policy. Society for Research on Nicotine & Tobacco annual meeting. Florence, Italy.

March, 2017. *Simulating Demand for Cigarettes Among Pregnant Women: A Low-risk Experimental Method for Investigating Tobacco use in Highly Vulnerable Populations*. Poster presentation at the Society for Research on Nicotine & Tobacco annual meeting. Florence, Italy.

April, 2017. *Tobacco Control and Regulatory Science Research on Motivating Behavior Change in Vulnerable Populations.* Presentation, 65th Nebraska Symposium on Motivation. University of Nebraska- Lincoln. Lincoln, NE.

May, 2017. *Tobacco Control and Regulatory Science Research on Motivating Behavior Change in Vulnerable Populations.* Presentation, RoBUST Speaker Series. Wayne State University. Detroit, MI.

June, 2017. *Evaluating Reduced-Nicotine Standards on the Addiction Potential of Cigarettes in Vulnerable Populations.* Poster presentation, 2017 Annual Conference on Problems of Drug Dependence. Montreal, Canada.

August, 2017. *Carrots Taste Better than Sticks- Positive Reinforcement for Behavior Change.* Discussant, 2017 American Psychological Association. Washington, DC.

August, 2017. *Nicotine and Tobacco Use and Assessment Among Pregnant and Nonpregnant Women of Reproductive Age.* Symposium, 2017 American Psychological Association. Washington, DC.

October, 2017. *Research on Reduced Nicotine Content*. Fall TCORS Grantee Meeting, Bethesda, MD.

November, 2017. *Tobacco Control and Regulatory Science with Vulnerable Populations*. Columbia University Lecture. Columbia, NY.

February, 2018. *The Role of Reinforcement in Disease Risk and Health Promotion*. Animal Learning and Behavior Winter Conference. Logan, UT.

February, 2018. *Reducing Nicotine Content Cigarettes: A Discussion of the Evidence and Policy Implications.* Society for Research on Nicotine and Tobacco (SRNT) Conference. Baltimore, MD.

May, 2018. *Reducing Smoking Among Rural Women: Tobacco Control and Regulatory Interventions*. Invited guest speaker at Virginia Tech Carilion Research Institute, Roanoke, VA.

June, 2018. Reduced Nicotine Content Cigarettes. Chair, Symposium presented at 2018 TCORS Conference, Bethesda, MD.

August, 2018. *Tobacco Product Abuse Liability Assessment: Challenges for FDA and Behavioral. Science*. Symposium presented at APA 2018, San Francisco, CA.

November, 2018. *Changing Drug Use and Other Health-Related Behavior in Vulnerable Populations.* Behavior Analysis, Drug Use, and Society, Symposium; ABAI Conference, Washington, DC.

January, 2019. *Changing Drug Use and Other Health- related Behavior in Vulnerable Populations*. Inaugural lecture, University of Southern California Institute for Addiction Science, Los Angeles, CA.

February, 2019. *Applying Behavioral Economics to the Study and Treatment of Drug Addiction*. Inaugural lecture, Cofrin Logan Center for Addiction Research and Treatment, University of Kansas, Lawrence, KS.

June, 2019. Higgins, ST. NIDA International Forum: Underserved Smokers. Discussant, College on Problems of Drug Dependence, San Antonio, TX.

August, 2019. Higgins, ST. *Contingency Management/Incentives: Foundational Principles and Evidence for Support for Treatment of Individuals with Stimulant Use Disorders.* Oral Presentation, Substance Abuse and Mental Health Services Administration Tate Opioid Response Program Grantee Meeting, Washington, DC.

October, 2019. Higgins, ST. *The Influence of Rural Residence on Response to Incentive-based Cessation Intervention for Pregnant Smokers.* Oral Presentation, 7th Annual Vermont Center on Behavior and Health Conference, Burlington, VT

October, 2019. Higgins, ST. *Characterizing Differences in Motivation to Smoke Among Those Differing in Tobacco Dependence Severity*. Oral Presentation, NIH Tobacco Regulatory Science Conference, Bethesda, MD.

March, 2020. Higgins, ST. *Randomized Clinical Trial Examining Reduced Nicotine Content Cigarettes Among Smokers with Psychiatric Conditions or Socioeconomic Disadvantage.* Society for Research on Nicotine and Tobacco (SRNT) Conference, New Orleans, LA

April, 2021. Higgins ST. Psychosocial Treatments for Psychostimulant Use Disorder. Presentation in Opioid Use in the Context of Polysubstance Use: Research opportunities for Prevention, Treatment, and Sustained Recovery. NIH HEAL initiative virtual meeting.

June, 2021. Higgins ST. Contingency Management Research for Psychomotor Simulants. Remote presentation in the Laureate Institute for Brain Research lecture series. Tulsa, OK.

May, 2022. Higgins ST. Translational Science Award lecture. Association for Behavior Analysis International annual conference, Boston, MA.

June, 2022. Higgins ST. Nathan B. Eddy Award lecture. College on Problems of Drug Dependence annual conference, Minneapolis, MN.

November, 2022. Higgins ST. Leveraging the Reinforcement Process to Promote Health. Plenary Lecture, Brown University School of Public Health.

June, 2023. Higgins ST. Abuse Liability Testing with Humans: Review of Standard Methods and Recent Innovations using Cigarettes with Varying Nicotine Content as an Exemplar. Food and Drug Administration Science Forum: Advancing Regulatory Science Through Innovation.

June, 2023. Leveraging the Reinforcement Process to Promote Health. Grand Rounds Lecture. MD Anderson Cancer Center.

March, 2024. Reduced Nicotine Cigarettes and E-Cigarettes in Vulnerable Populations. Society for Research on Nicotine and Tobacco annual meeting. Edinburgh, Scotland.

June, 2025. Advancing Women's Health by Addressing Rural Disparities in Cigarette Smoking. College on Problems of Drug Dependence 2025 annual conference, New Orleans, LA.

October, 2025. Leveraging the Reinforcement Process to Promote Health. Grand Rounds Lecture. Department of Psychiatry, University of Mississippi School of Medicine.

April, 2026. Contingency management treatment for stimulant use disorder. Webinar. Addiction Policy Forum.