

Danielle R. Davis

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EDUCATION

University of Vermont

MA, General/Experimental Psychology	2017
PhD, General/Experimental Psychology (Expected: May 2019)	2014-current
Advisor: Stephen T. Higgins, PhD	

Georgia College

BS, Psychological Science	2014
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TRAINING SUPPORT

P50DA036114 from the National Institute on Drug Abuse (NIDA) and the U.S. Food and Drug Administration (FDA)

RESEARCH EXPERIENCE

Vermont Center on Behavior & Health University of Vermont

July 2014-present

Project: *Low Nicotine Content Cigarettes in Vulnerable Populations: Affective Disorders, Economically Disadvantaged Women, Opioid Use Disorder (TCORS NIH/FDA P50DA036114)*

Principal Investigators: Stephen T. Higgins PhD, Jen Tidey PhD, Stacey C. Sigmon PhD, Sarah H. Heil PhD, Diann Gaalema PhD

Role: Project Manager for Affective Disorders Population, Graduate Research Coordinator for Economically Disadvantaged Women and Opioid Dependent Populations

Project: *Investigation of Food Reinforcement in Infants of Mothers Who Smoked During Pregnancy*

Principal Investigator: Stephen T. Higgins

Role: Graduate Research Coordinator

Bouton Laboratory **2015-present**
University of Vermont
 Project: *Modeling Relapse After an Incentivized Choice Procedure*
 Principal Investigator: Mark E. Bouton, PhD
 Role: Graduate Researcher

Behavioral Pharmacology Laboratory **2013-2014**
Georgia College
 Project: *Investigation of impulsivity and age using a novel Delay Discounting model*
 Principal Investigators: Kristina Dandy, PhD
 Role: Undergraduate Researcher

Social Wellness Laboratory **2013-2014**
Georgia College
 Project: *Trait and State Mindfulness in the Pursuit in Self-Selected Health Goals*
 Principal Investigators: Whitney Heppner, PhD
 Role: Undergraduate Researcher

Georgia College **2012-2013**
 Project: *Meta-analysis of Adventure Therapy Treatment*
 Principal Investigator: H. Lee Gillis, PhD
 Role: Research Assistant

AWARDS & HONORS

Outstanding Psychology Student Award , Georgia College	2012-2014
HOPE Scholarship Recipient , Georgia College	2010-2014
Dean's List , Georgia College	2011,2013
President's List , Georgia College	2011

PUBLICATIONS

1. Higgins, S.T., Bergeria, C.B., **Davis, D.R.**, Streck, J.S., Villanti, A.C., Hughes, J.R.,...& Miller, M.E. Response to Reduced Nicotine Content Cigarettes Among Smokers Differing in Tobacco Dependence Severity. (*in press*) Preventive Medicine.
2. Tidey, J., **Davis, D. R.**, Miller, M. E., Delinger-Apte, R., Pericot-Valverde, I., & Gaalema, D. (*under review*) Effects of Reduced-Nicotine Cigarettes in Smokers with Mental Health Conditions. Preventive Medicine.
3. Higgins, S.T., Kurti, A.N., & **Davis, D.R.** Changing drug use and other health-related behavior in vulnerable populations. Invited contribution, 65th Nebraska Symposium on Motivation: Change and Maintaining Change
4. Higgins, S. T., Heil, S. H., Sigmon, S. C., Tidey, J. W., Gaalema, D. E., Hughes, J., R., Stitzer, M. L., Durand, H., Bunn, J. Y., Priest, J. S., Arger, C. A., Miller, M. E., Bergeria,

- C. L., **Davis, D. R.**, Streck, J. M., Skelly, J. M., & Tursi, L. (2017) Addiction Potential of Reduced Nicotine Content Cigarettes in Populations with Psychiatric Disorders and Other Vulnerabilities to Tobacco Addiction. *JAMA Psychiatry*, 74(10), 1056-1064. DOI: 10.1001/jamapsychiatry.2017.2355
5. Keith, D. R., Kurti, A. N., **Davis, D. R.**, Zvorsky, I., & Higgins, S. T. (2017) A Review of the Effects of Very Low Nicotine Content Cigarettes on Behavioral/Cognitive Performance in Abstinent Smokers. *Preventive Medicine*, DOI: 10.1016/j.ypmed.2017.06.016
 6. Bouton, M. E., Thrailkill, E. A., Bergeria, C. L., & **Davis, D. R.** (2017) Preventing Relapse after Incentivized Choice Treatment: A Laboratory Model. *Behavioural Processes*, 141, 11-18. DOI: 10.1016/j.beproc.2017.02.005
 7. Higgins, S. T., **Davis, D. R.**, & Kurti, A. N. (2017) Financial Incentives for Reducing Smoking and Promoting Other Health-Related Behavior Change in Vulnerable Populations. *Policy Insights from the Behavioral and Brain Sciences*, 4(1), 33-40. DOI: 10.1177/2372732216683518
 8. Higgins, S. T., Heil, S. H., Sigmon, S. C., Tidey, J. W., Gaalema, D. E., Stitzer, M., Durand, H., Bunn, J. Y., Priest, J. S., Arger, C. A., Miller, M. E., Bergeria, C. L., **Davis, D. R.**, Streck, J. M., Zvorsky, I., Redner, R., Vandrey, R., & Pacek, L. R. (2017) Varying the Nicotine Content Level in Cigarettes in Vulnerable Populations: an Initial Experimental Examination of Acute Effects. *Psychopharmacology*, 234(1), 89-98. DOI: 10.1007/s00213-016-4438-z.
 9. **Davis, D. R.**, Kurti, A. N., Skelly, J. N., Redner, R., White, T. J., & Higgins, S. T. (2016) Contingency Management: Trends in the Literature, 2009-2014. *Preventive Medicine*, 92, 36-46. DOI: 10.1016/j.ypmed.2016.08.008
 10. Kurti, A. N., **Davis, D. R.**, Skelly, J., Redner, R., & Higgins, S. T. (2016). Predicting Smoking Cessation in Pregnant Women: Cigarettes Per Day versus Time to First Cigarette. *Experimental and Clinical Psychopharmacology*, 24(1), 12-17. DOI: 10.1037/pha0000056
 11. Kurti, A. N., **Davis, D. R.**, Redner, R., Jarvis, B., Zvorsky, I., Atwood, G. A., & Higgins, S. T. (2016). Incorporating Technology into Incentive-Based Interventions to Promote Health-Related Behavior Change: A Systematic Literature Review, 2004-2015. *Translational Issues in Psychological Science*, 2(2), 128-152.

CHAPTERS

1. Heil, S.H., **Davis, D.R.**, Arger, C.A., & Higgins, S.T. (*in press*). Contingency management and the community reinforcement approach. In S.C. Miller, D. Fiellin, R.N. Rosenthal, & R. Saitz (Eds.), *The ASAM Principles of Addiction Medicine*, 6th ed.. Baltimore, MD: Wolters Kluwer.
2. Heil, S.H., Arger, C.A., **Davis, D.R.**, & Higgins, S.T. (*in press*) Contingency management and the community reinforcement approach. In S.C. Miller, D. Fiellin, R.N. Rosenthal, & R. Saitz (Eds.) *Principles of Addiction Medicine: The Essentials*, 6th ed. Baltimore, MD: Wolters Kluwer.

OTHER PUBLICATIONS

1. Higgins, S. T., Kurti, A. N., & **Davis, D. R.** (2017) Pay people to stop smoking? It works, especially in vulnerable groups. *The Conversation*

SUBMITTED/IN PREPARATION

1. **Davis, D. R.**, Miller, M., Streck, J.M., Bergeria, C.L., Sigmon, S.C., Tidey, J.W., Heil, S.H., Gaalema, D.E., Villanti, A.C., Hughes, J.R., Stitzer, M.L., Preist, J.S., Bunn, J.Y., Skelly, J.M. & Higgins, S. T. (*under review*.) Response to Reduced Nicotine Content Cigarettes Among Menthol Compared to Menthol Smokers with Co-morbid Psychiatric Conditions or Socioeconomic Disadvantage.
2. Streck, J.M., Bergeria, C.L., Parker, M.A., **Davis, D.R.**, DeSarno, M., Sigmon, S.C., Hughes, J.R., Gaalema, D.E., Heil, S.H., Tidey, J.W., Stitzer, M.L., Rothman, M., & Higgins, S.T. (*submitted*). Response to Reduced Nicotine Content Cigarettes Among Smokers with Chronic Health Conditions.
3. Parker, M. A., Streck, J. S., Bergeria, C. L., Bunn, J. Y., Gaalema, D. E., **Davis, D. R.**,...& Higgins, S. T. (*in preparation*) Reduced Nicotine Content Cigarettes and Cannabis Use in Vulnerable Populations.
4. **Davis, D. R.**, Hickman, N., Choi, K., Robinson, C., Patten, C., Fagan, P., Okuyemi, K., & Navhi, S. (*in preparation*) Outcomes and Productivity of those receiving Travel Scholarship Awards to SRNT. Target Journal: Nicotine & Tobacco Research

ORAL PRESENTATIONS

1. **Davis, D.R.**, Parker, M.A., & Villanti, A.C. (June 2018). Examining Menthol Preference as a Correlate of Change in Smoking Behavior over a One-Year Period. Oral Presentation at the 2018 NIH TRS Meeting, Bethesda, MD.
2. **Davis, D.R.**, Bergeria, C.L., Streck, J.M., Gaalema, D.E., Heil, S.H., Sigmon, S.C., Stitzer, M.L., Tidey, J.L., Higgins, S.T. (June 2017). The influence of mentholation on usual brand and research cigarettes of varying nicotine content in vulnerable populations. Oral Presentation at the 79th Annual Meeting of the College on Problems of Drug Dependence, Montreal, Canada.
3. **Davis D. R.**, & Higgins, S. T. (August 2017). An Investigation of Extended Exposure to Very Low Nicotine Content Cigarettes in Three Vulnerable Populations: Preliminary Findings. Oral Presentation at the 27th Annual Trainee Retreat, Vergennes, VT.
4. **Davis, D. R.** (August 2016). Investigating changes in initial smoking topography upon initial exposure to very low nicotine content cigarettes. Oral Presentation at the 26th Annual Trainee Retreat, Vergennes, VT.
5. **Davis, D. R.**, Bergeria, C., Thrailkill, E. A., & Bouton, M. E. (June 2015). Relapse after incentivized choice treatment. Oral Presentation at the 2015 Vermont Summer Summit, Hanover, NH.

SELECTED POSTER PRESENTATIONS

1. **Davis, D. R.**, Bergeria, C.L., Streck, J.M., Miller, M.E., Bunn, J.Y., Gaalema, D.E., Heil, S.H., Sigmon, S.C., Stitzer, M.L., Tidey, J.W., & Higgins, S.T. (February 2018). Examining the influence of mentholation on relative reinforcing efficacy of cigarettes at varying nicotine doses. Poster presentation at the 24th Annual Meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.
2. **Davis, D.R.**, Hickman, N.J., Choi, K., Robinson, C., Patten, C., Fagan, P., Okuyemi, K., & Nahvi, S. (February 2018). Impact of the SRNT Health Disparities Network's Scholarship on Professional Development of its Recipients. Poster presentation at the 24th Annual Meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.
3. **Davis, D.R.**, Bergeria, C.L., Streck, J.M., Gaalema, D.E., Heil, S.H., Sigmon, S.C., Stitzer, M.L., Tidey, J.L., Higgins, S.T. (October 2017). Examining How Users of Mentholated and Non-Mentholated Cigarettes Rate Spectrum Research and Usual Brand Cigarettes. Poster presentation at the Annual Tobacco Centers of Regulatory Science/NIH Grantee Meeting, Bethesda, Maryland.

4. **Davis, D.R.**, Bergeria, C.L., Streck, J.M., Gaalema, D.E., Heil, S.H., Sigmon, S.C., Stitzer, M.L., Tidey, J.L., Higgins, S.T. (March, 2017). Examining the influence of mentholation on the reinforcing effects of usual brand and research cigarettes of varying nicotine content. Poster presentation at the 23rd Annual Meeting of the Society for Research on Nicotine and Tobacco, Florence, Italy.
5. Streck, J.M., **Davis, D.R.**, Bergeria, C.L., Bunn, J.Y., Sigmon, S.C., Heil, S.H., Gaalema, D., Higgins, S.T. (November, 2016). Characterizing smokers who use American Indian reservation cigarettes. Poster presentation at the Annual Tobacco Centers of Regulatory Science/NIH Grantee Meeting, Bethesda, Maryland.
6. Streck, J.M., **Davis, D.R.**, Bergeria, C.L., Bunn, J.Y., Sigmon, S.C., Heil, S.H., Gaalema, D., Higgins, S.T. (October, 2016). Characterizing smokers who use American Indian reservation cigarettes. Poster presentation at The 4th Annual Behavior Change, Health and Health Disparities Conference, Burlington, Vermont.
7. **Davis, D.R.**, Bergeria, C.L., Streck, J.M., Gaalema, D.E., Heil, S.H., Sigmon, S.C., Stitzer, M.L., Tidey, J.L., Higgins, S.T. (October, 2016). Examining the influence of mentholation on the reinforcing effects of usual brand and research cigarettes of varying nicotine content. Poster presentation at The 4th Annual Behavior Change, Health and Health Disparities Conference, Burlington, Vermont.
8. **Davis, D. R.**, Solomon, L. J., & Higgins, S. T. (June 2016) Some recent developments on financial incentives in newly postpartum women. Poster Presentation at the 78th Annual Meeting of the College on Problems of Drug Dependence, La Quinta, CA.
9. Higgins, S. T., Redner, R., **Davis, D. R.**, Priest, J. S., & Bunn, J. Y. (May 2016) Socioeconomic disadvantage and other risk factors for using higher-nicotine/tar yield (regular full flavor) cigarettes. Poster Presentation at the NIH Tobacco Regulatory Science Conference, Bethesda, MD.
10. **Davis, D. R.** et al. (March 2016). Investigating changes in smoking topography upon initial exposure to very low nicotine content cigarettes. Poster Presentation at Annual Meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.
11. Higgins, S.T., Heil, S.H., Sigmon, S.C., Tidey, J.W., Gaalema, D.E., Stitzer, M.L., Vandrey, R., Durand, H., DeSarno, M.J., Arger, C.A., Miller, M.E., Pacek, L.R., **Davis, D.R.**, Streck, J.M. (March 2016). Response to varying nicotine content level in cigarettes: acute effects in vulnerable populations. Abstract accepted for presentation at the 22nd Annual Meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, Pennsylvania.

12. **Davis, D. R.** et al. (October 2015). Investigating changes in smoking topography upon initial exposure to very low nicotine content cigarettes. Poster Presentation at the TCORS In-Person Meeting, Baltimore, MD.
13. Keith, D.R., Kurti, A., **Davis, D. R.**, Zvorsky, I., & Higgins, S.T. (October 2015). A review of the effects of very low nicotine content cigarettes on behavioral performance in abstinent smokers. Poster presented at the annual TCORS In Person meeting, Bethesda, MD.
14. Bergeria, C., **Davis, D. R.**, Thrailkill, E. A., & Bouton, M. E. (October 2015). Relapse after incentivized choice treatment in a new animal model. Poster Presentation at the 3rd Annual Vermont Center on Behavior & Health Conference, Burlington, VT.
15. **Davis, D. R.**, Kurti, A. N., Redner, R., White, T. J., & Higgins, S. T. (June 2015). Contingency management in the treatment of substance use disorders: trends in the literature. Poster Presentation at the 77th Annual Meeting of the College on Problems of Drug Dependence, Phoenix, AZ.
16. **Davis, D. R.**, Kurti, A. N., Skelly, J. M., Redner, R., & Higgins, S. T. (February 2015). Predictors of nicotine dependence among pregnant smokers. Poster Presentation at 21st Annual Meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA.
17. Kurti, A. N., **Davis, D. R.**, Skelly, J. M., White, T. M., & Higgins, S. T. (February 2015) Nicotine dependence indicators among pregnant smokers: time to first cigarette vs. cigarettes per day as predictors of abstinence. Poster Presentation at the 21st Annual Meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA.
18. Isaac, W. L., Baloh, C. A., **Davis, D. R.**, Martinez, A. M., Pelech, K. E., Ranson, L. M., Toukoushian, K. D., & Vandergriff, R. K. (January 2015). Learning gains documented using student created comic chapters as class projects. Poster Presentation at the 37th Annual Meeting for the National Institute on the Teaching of Psychology, St. Petersburg, FL
19. **Davis, D. R.** & Higgins, S. T. Contingency management in the treatment of substance use disorders: trends in the literature. (October 2014). Vermont Center on Behavior and Health 2nd Annual Conference: Behavior Change, Health, and Health Disparities, Burlington, VT.
20. **Davis, D. R.** & Higgins, S. T. Contingency management in the treatment of substance use disorders: trends in the literature. (August 2014). Poster Presentation at the Annual Training in Behavioral Pharmacology of Drug Dependence Scientific Retreat, Vergennes, VT.

21. Ranson, L. M., & **Davis, D. R.**, & Dandy, K. L. Testing impulsivity using a modified delay discounting task. (April 2014). Poster Presentation at 17th Annual Georgia College Student Research Conference, Milledgeville, GA.
22. **Davis, D. R.**, Kerr, A. N., & Ruggieri, R. L. (April 2014). The role of trait and state mindfulness in the pursuit of self-selected health goals among college students. Poster Presentation at Georgia College & State University's Psychology Major Day
23. **Davis, D. R.**, Kerr, A. N., & Ruggieri, R. L. (March 2014). The role of trait and state mindfulness in the pursuit of self-selected health goals among college students. Poster Presentation at the 60th Annual Meeting of Southeastern Psychological Association, Nashville, TN.
24. Kerr, A. N., Perret, V. A., **Davis, D. R.**, Kraich, E. G., Davis, C. A., Jenkins, A. M., Deleza, W. A., Young, D. L., & Heppner, W. L. (February 2014). The effects of trait and state mindfulness on emotional processing and emotional experience. Poster Presentation at the 15th Annual Society of Personality and Social Psychology's Meeting, Austin, TX
25. **Davis, D. R.**, Kerr, A. N., & Ruggieri, R. L. (March 2014). The role of trait and state mindfulness in the pursuit of self-selected health goals among college students. Poster Presentation at the 60th Annual Meeting of Southeastern Psychological Association, Nashville, TN.

EDITORIAL ACTIVITY

Board of Associate Editors for *Tobacco Regulatory Science*, 2017-current

Ad-hoc Reviewer:

Addiction

Behavior Analysis: Research and Practice

Psychopharmacology

TEACHING EXPERIENCE

Course Co-Instructor:

PSYS 198 Independent Research – University of Vermont, Spring 2017, Fall, 2017, Spring 2018

Supplemental Instructor:

- *Learning* – University of Vermont, Spring 2018

- Primary Instructor: Mark E. Bouton, PhD
- *Behavioral Economics* – University of Vermont, Fall 2016
Primary Instructor: Diann E. Gaalema, PhD
 - *Research Methods* – Georgia College, Fall 2013
Primary Instructor: Whitney Heppner, PhD

Guest Lecturer

- Addiction Potential of Reduced Nicotine Cigarettes, *Learning, Behavior, and Cognition*, Summer 2017
- Reinforcement Principles, *Brain on Drugs*, Fall 2016
- Nicotine Reduction and Its Impact, *Psychopharmacology*, Fall 2015

Mentor for Undergraduate Research Assistants:

Sylvia Lane, Fall 2015, Spring 2016

Daniel Peipert, Fall 2015, Spring 2016

SERVICE

2018-present CPDD Members-In-Training Committee
 2016 – present SRNT Health Disparities Network Operations Coordinator
 2015 – 2016 Vermont Center of Behavior & Health Journal Club Coordinator
 2015-2017 UVM Psychology Graduate Student Representative
 2013-2014 Psi Chi Officer, Georgia College

PROFESSIONAL AFFILIATIONS

2016-present CPDD member in training
 2013-present APA student member, Division Membership (28, 50)
 2014-present APAGS member
 2014-present SRNT member
 2012-present Psi-Chi (The National Honor Society in Psychology)