

**Diann E. Gaalema, Ph.D.**

Vermont Center of Behavior and Health  
Associate Professor of Psychiatry  
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**Employment**

2019 – current Associate Professor, University of Vermont  
2012 – 2019 Assistant Professor, University of Vermont  
2010 – 2012 NIDA postdoctoral fellow, University of Vermont  
2011 (summer) Visiting faculty, Sandia National Labs

**Affiliations**

2013 – current Vermont Center of Behavior and Health

**Education**

2004 – 2010 Georgia Institute of Technology  
Master of Science: Experimental Psychology (2007)  
Ph.D.: Experimental Psychology (Animal Behavior) (2010)  
Minor: Biology  
Master's Thesis: Food choice, reinforcer preference, and visual discrimination in monitor lizards.  
Dissertation: Sexual conditioning in the Dyeing Dart frog.  
1999 – 2003 Arizona State University.  
Bachelor of Arts. Major: Psychology.  
Minors: Biology, Anthropology.  
Honor's Thesis: Color change in Ornate Tree Lizards

**Peer Reviewed Publications**

**Increase Enrollment** *Journal of Cardiopulmonary Rehabilitation and Prevention* (2020)

Gaalema, DE, Bolívar, HA, Khadanga, S, Priest, JS, Higgins, ST, Ades, PA. Current Smoking as a  
Marker of a High-Risk Behavioral Profile after Myocardial Infarction. (2020). *Preventive  
Medicine*.

Higgins ST et al. Changes in Cigarette Consumption with Reduced Nicotine Content Cigarettes  
Among Smokers with Psychiatric Conditions or Socioeconomic Disadvantage: Three  
Randomized Clinical Trials. (2020). *JAMA Open*.

Higgins, S. T., DeSarno, M., Davis, D. R., Nighbor, T., Streck, J. M., Adise, S., Harfmann, R., Nesheim-Case, R., Markesich, C., Reed, D., Tyndale, R. F., Gaalema, D. E., Heil, S. H., Sigmon, S. C., Tidey, J. W., Villanti, A. C., Lee, D., Hughes, J. R., Bunn, J. Y. (2020). Relating individual differences in nicotine dependence severity to underpinning motivational and pharmacological processes among smokers from vulnerable populations. *Preventive Medicine*

Dube, S. L., Sigmon, S., Althoff, R., Dittus, K., Gaalema, D. E., Ogden, D. E., Phillips, J., Ades, P., Potter, A. S. (2020). Association of self-reported executive function and mood with executive function task performance across adult populations. *Applied Neuropsychology: Adult*. DOI: 10.1080/23279095.2020.1794869

Bolívar, H. A., Elliott, R. J., Middleton, W., Yoon, J., H., Okoli, C. T. C., Haliwa, I., Miller, III, C. C., Ades, P. A., & Gaalema, D. E. (2020). Social smoking environment and associations with cardiac rehabilitation attendance. *Journal of Cardiopulmonary Rehabilitation and Prevention*.

Streck, J.M., Sigmon, S.C., Priest, J., Bergeria, C.L., Davis, D.R., Hughes, J.R., Villanti, A.C., Tidey, J.W., Heil, S.H., Gaalema, D.E., Stitzer, M.L., & Higgins, S.T. (2020). Investigating tobacco withdrawal in response to reduced nicotine cigarettes among smokers with opioid use disorder and other vulnerabilities. *Experimental and Clinical Psychopharmacology*.

Kurti et al. (2020). Impact of Electronic Nicotine Delivery Systems and Other Respondent Characteristics on Tobacco Use Transitions among a U.S. National Sample of Women of Reproductive Age. *Drug and Alcohol Dependence*.

Pericot-Valverde, I., Yoon, JH., Gaalema, DE. (2020). Single- and Cross-Commodity Delay Discounting of Money and E-cigarette Liquid in Experienced E-Cigarette Users. *Drug and Alcohol Dependence*, 206.

L., Davis, D.R., Hobbins, D., Dav (duc)-6 (e)C Ty-a-3 (., 5D)2 (e)(s)-1 (.gJ-31.96 -1.1c)-6 (c)4 (o U)2 (s)-11Td(de)T





- Pericot-Valverde, I., Elliott, R. J., Miller, M., & Tidey, J., & Gaalema, D.E. (2018). Posttraumatic stress disorder and tobacco use: A systematic review and meta-analysis. *Addictive Behaviors*, 84, 238-247.
- Lopez, A.A., Redner, R., Kurti, A.N., Keith, D.R., Villanti, A.C., Stanton, C.A., Gaalema, D.E., Bunn, J.Y., Doogan, N.J., Cepeda-Benito, A. and Roberts, M.E., (2018). Tobacco and nicotine delivery product use in a US national sample of women of reproductive age. *Preventive Medicine* 117:61-68. <https://doi.org/10.1016/j.ypmed.2018.03.001>
- Cepeda-Benito, A, Doogan, NJ, Redner R, Robert ME, Kurti AN, Villanti AC, Lopez AA, Quisenberry AJ, Stanton CA, Gaalema DE, Keith DR, Parker MA, Higgins ST. (2018). Trend differences in men and women in rural and urban U.S. settings. *Preventive Medicine* 117:69-75. <https://doi.org/10.1016/j.ypmed.2018.04.008>
- Ades PA and Gaalema DE. (2018). Geographic Variations in Cardiac Rehabilitation Use: Regional Variations in Medical Care or in Patient Behaviors? *Circulation*, 137, 1909-1911.
- Riley, H., Headley, S., Winter, C., Mazur, S., Gaalema, D. E., Goff, S., Lindenauer P.K., & Pack, Q. R. (2017). Effect of Smoking Status on Exercise Perception and Intentions for Cardiac Rehabilitation Enrollment Among Patients Hospitalized With an Acute Cardiac Condition. *Journal of Cardiopulmonary Rehabilitation and Prevention*, 38(5):286-290. DOI: 10.1097/HCR.0000000000000288
- Kurti, A. N., Redner, R., Lopez, A. A., Keith, D. R., Villanti, A. C., Stanton, C. A., ... & Roberts, M. E. (2017). Tobacco and nicotine delivery product use in a national sample of pregnant women. *Preventive Medicine*, 104, 50-56.
- Higgins, S. T., Heil, S. H., Sigmon, S. C., Tidey, J. W., Gaalema, D. E., Hughes, J. R., ... & Arger, C. A. (2017). Addiction Potential of Cigarettes With Reduced Nicotine Content in Populations With Psychiatric Disorders and Other Vulnerabilities to Tobacco Addiction. *JAMA Psychiatry*, 74(10), 1056-1064.
- Roberts, M.E., Doogan, N.J., Stanton, C.A., Quisenberry, A.J., Villanti, A., Gaalema, D.E., Keith, D.R., Kurti, A.N., Lopez, A.A., Redner, R., Cepeda-Benito, A. & Higgins, S.T. (2017). Rural vs. Urban Use of Traditional and Emerging Tobacco Products in the United States, 2013-2014. *American Journal of Public Health* 107, 1554-1559.
- Arger, C.A., Heil, S.H., Sigmon, S.C., Tidey, J.W., Stitzer, M.L., Gaalema, D.E., Durand, H.J., Bunn, J.Y., Ruggieri, E.K., & Higgins, S.T. (2017). Preliminary validity of the modified Cigarette Evaluation Questionnaire in predicting the reinforcing effects of cigarettes that vary in nicotine content. *Experimental and Clinical Psychopharmacology*, 25(6), 473-478.
- Pericot-Valverde, I., Gaalema, D. E., Priest, J. S., & Higgins, S. T. (2017). E-cigarette awareness, perceived harmfulness, and ever use among US adults. *Preventive Medicine*, 104, 92-99.
- Doogan NJ, Roberts ME, Wewers ME, Stanton CA, Keith DR, Gaalema DE, Kurti AN, Redner R, Cepeda-Benito A, Bunn JY, Lopez AA, Higgins ST. (2017). A growing geographic disparity: Rural and urban cigarette smoking trends in the United States. *Preventive Medicine*, 104, 79-85.
- Keith, D. R., Stanton, C. A., Gaalema, D. E., Bunn, J. Y., Doogan, N. J., Redner, R., ... & Roberts, M. E. (2017). Disparities in US Healthcare Provider Screening and Advice for Cessation Across Chronic Medical Conditions and Tobacco Products. *Journal of General Internal Medicine*, 32(9), 974-980.





Kelling, AS and Gaalema, DE (2011) Post-occupancy evaluations in zoological settings.





- Gaalema, DE, Bolivar, H. Hot Topics in Addiction and Cardiovascular Disease: E-cigarettes. Talk presented at the 34th annual meeting of the American Association of Cardiovascular and Pulmonary Rehabilitation (September 2019).
- Gaalema, DE, Savage, P, Higgins, ST, Ades, PA. Improving Participation in Cardiac Rehabilitation among Lower-Socioeconomic Status Patients: Efficacy of Early Case Management and Financial Incentives. Talk presented at the 34th annual meeting of the American Association of Cardiovascular and Pulmonary Rehabilitation (September 2019).
- Gaalema, DE, Savage, P, Rengo, J, Ades, PA. Implementation of Objective Measurement of Carbon Monoxide Status in Cardiac Rehabilitation. Talk presented at the 34th annual meeting of the American Association of Cardiovascular and Pulmonary Rehabilitation (September 2019).
- Gaalema, DE, Savage, P, Rengo, J, Ades, PA. Results of Implementing Objective Measurement of Smoking Status at Cardiac Rehabilitation. Talk presented at the 81st annual College on Problems of Drug Dependence conference (June 2019).
- Gaalema, DE, Robison, N, Ades, PA, Higgins, ST. Increasing Cardiac Rehabilitation Participation among Medicaid Enrollees: Effects on Hospital Utilization. Talk presented at the 45th annual Association of Behavior Analysis International (May 2019).
- Gaalema, DE, Pericot-Valverde, I, Higgins, ST. Modeling the Effects of Stress on Vaping Lapse Behavior. Poster presented atP 7 e ( M ) -

González-Roz., A, Pericot-Valverde, I, Weidberg, S, García-Pérez, A., Secades-Villa, R., &









## **Dissemination Products**

- Served on committee to craft depression performance guidelines for a national accreditation committee (AACVPR) (2017)
- In conjunction with the CDC/AACVPR, crafted a turnkey Tw 0 12 54m (o)-10 -2 (a)4 (t)- (t)- (t)- ( 11-2 (tp



- Guest reviewer, Addictive Behaviors (2014, 2015)
- Guest reviewer, Journal of Applied Behavior Analysis (2014)
- Guest reviewer, Addiction (2012, 2014)
- Guest reviewer, Journal of Neonatal-Perinatal Medicine (2013)
- Guest reviewer, International Journal of Comparative Psychology (2012)
- Guest reviewer, Journal of Applied Animal Welfare (2008)

### **Teaching experience**

- Behavioral Economics (Spring 2014, Fall 2016)
- Introduction to Psychology (Fall 2007 (team taught), Summer 2008)
- Experimental Analysis of Behavior lab (Fall 2006, Spring & Fall, 2007, Spring 2008)
- Experimental Analysis of Behavior (Fall 2009)
- Guest lectures in: Health Behavior, Behavioral Economics, Comparative Psychology, Learning and Motivation, Research Methods, Environmental Psychology