
CURRICULUM VITAE

Christopher T. Franck, Ph.D.

December 2015

CONTACT INFORMATION

Department of Statistics

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EDUCATION AND TRAINING

Ph.D. in Statistics, North Carolina State University, Raleigh, NC, 2010

Thesis: Mixture based interaction effects in unreplicated factorial experiments

Advisor: Jason Osborne, Associate Professor of Statistics, North Carolina State University

M.Stat. in Statistics, North Carolina State University, Raleigh, NC, 2007

B.S. in Statistics, Virginia Tech, Blacksburg VA, 2005

PROFESSIONAL APPOINTMENTS

Dec 2011 – present	Assistant Professor, Virginia Tech Carilion School of Medicine
Mar 2011 – present	Assistant Research Professor, Virginia Tech Carilion Research Institute
Aug 2010 – present	Assistant Research Professor, Department of Statistics, Virginia Tech; Assistant Director of the Laboratory for Interdisciplinary Statistical Analysis (LISA)
Dec 2013 – Dec 2014	Associate Director of Analytics, Virginia Center for Housing Research
Jul 2009 – May 2010	College of Agriculture and Life Sciences Consulting Research Assistant, North Carolina State University
Feb 2009 – Aug 2009	Graduate Research Assistant at Rho, Inc., Chapel Hill, NC
Aug 2005 – Jan 2009	Graduate Teaching Assistant, Department of Statistics, North Carolina State University

AWARDS AND HONORS

September 2015 Editor's Choice Invited Tutorial, *Journal of Experimental Analysis of*

	<i>Behavior</i> , to be given at the Society for the Quantitative Analyses of Behavior, Chicago, 2016
Spring 2010	Francis G. Giesbrecht Statistical Consulting Enhancement Award, North Carolina State University
Spring 2008, 2009	Outstanding Teaching Assistant Award, Department of Statistics, North Carolina State University
Spring 2008	Paige Plagge Award for Citizenship, Department of Statistics, North Carolina State University
Summer 2007	Recipient of VIGRE Fellowship, North Carolina State University
November 2004	Inducted into Mu Sigma Rho: National Statistical Honor Society, Virginia Tech Chapter

PROFESSIONAL SERVICE AND AFFILIATIONS

University Service

- Periodic Review Committee: Executive Director of the Virginia Tech Carilion Research Institute, 2015
- Medical Curriculum Committee for Virginia Tech Carilion School of Medicine, June 2012- June 2015
- Department of Statistics Search Committee for Department Head, August 2014
- College of Science Communication Committee, October 2012

Service to National Organizations

- W.J. Dixon Award Committee for the American Statistical Society, 2015

Membership in Professional Societies

- American Statistical Association
- Sigma Xi: The Scientific Research Honor Society, inducted 2012

Editorial Activities

- Assessment (referee)
- Drug and Alcohol Dependence (referee)
- Journal of Individual Differences (referee)
- Journal of Experimental Analysis of Behavior (referee)
- Psychological Assessment (referee)

TEACHING AND MENTORING

Aug 2011 – present	Biostatistics <ul style="list-style-type: none"> • Responsible for developing and teaching biostatistics curriculum to first-year medical students at Virginia Tech Carilion School of
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Medicine

- Aug 2010 – present Introduction to Statistical Program Packages
- Taught data management, visualization, analysis, modeling, computation, hypothesis testing, simulation, and the Bayesian paradigm to first-year statistics graduate students using R, LaTeX, and SAS
- May 2008 – Aug 2008 Teaching Assistant, Computational Undergraduate Statistics Program
- Instructed undergraduate statisticians in computational modeling and data mining approaches for consulting projects
- Aug 2007 – Dec 2008 Introduction to Statistics
- Responsible for writing and delivering lectures, exams, and other assessments
- May 2006 – Apr 2007 Experimental Statistics Computer Lab
- Instructed students in the use of statistical software for analysis, modeling, and visualization

STUDENT ADVISEES

Current Statistics M.S.

- Katie Thornton
- William DeShong
- Karen Vidya

Completed Statistics M.S.

- Jon Atwood – current Ph.D. student in statistics
- Zhe Bao – continued in biological sciences
- Christopher Casement – continued Ph.D. at Baylor University, committee chair
- Rose Eddy – employed at Virginia Tech
- J.T. Fry – current Ph.D. student in statistics
- Justin Loda – current Ph.D. student in statistics
- Ashley Nelson – employed at Eastman Chemical Company
- Joshua Washburn – employed at Eastman Chemical Company

Current Statistics Ph.D.

- Matthew Keefe, committee chair
- Ana Ortega
- Xiang Zhang

Other Current Ph.D.

- Lara Moody, psychology
- Lexie Mellis, translational biology, medicine, and health

- Robin Varghese, Virginia Tech Carilion Research Institute

Other Completed Ph.D.

- Danielle Beringer, biomechanics
- Danielle Choi, genetics, bioinformatics, and computational biology
- Gareth Highnam, genetics, bioinformatics, and computational biology
- Tina Rossi, biomechanics
- Dong Zhao, building construction

PUBLICATIONS

Published Articles

1. Heitz, C., Prusakowski, M. K., Willis, G., & **Franck, C. T.** (2015). Does the concept of the “Flipped Classroom” extend to the emergency medicine clinical clerkship? *Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health*, 16(6), 851–855. <http://doi.org/10.5811/westjem.2015.9.27256>
2. Sorrentino, D. R., & **Franck, C. T.** (2015). Utility of fecal markers to diagnose and monitor inflammatory bowel diseases. *American Journal of Gastroenterology*, 110(12), 1732–1733. <http://doi.org/10.1038/ajg.2015.366>.
3. Koffarnus, M. N., **Franck, C. T.**, Stein, J. S., & Bickel, W. K. (2015). A modified exponential behavioral economic demand model to better describe consumption data. *Experimental and Clinical Psychopharmacology*, 23(6), 504–512. <http://doi.org/10.1037/pha0000045>
4. Santo, A. R., Sorice, M. G., Donlan, J., **Franck, C. T.**, & Anderson, C. B. (2015). A human-centered approach to designing invasive species eradication programs on human-inhabited islands. *Global Environmental Change*, 35, 289-298.
5. **Franck, C. T.**, Koffarnus, M. N., House, L. L., & Bickel, W. K. (2015). Accurate characterization of delay discounting: A multiple model approach using approximate Bayesian model selection and a unified discounting measure. *Journal of the Experimental Analysis of Behavior*, 103(1), 218–233. <http://doi.org/10.1002/jeab.128>
6. Garman, C. R., **Franck, C. T.**, Nussbaum, M. A., & Madigan, M. L. (2015). A bootstrapping method to assess the influence of age, obesity, gender, and gait speed on probability of tripping as a function of obstacle height. *Journal of Biomechanics*, 48(6), 1229–1232.
7. Koebel, C. T., McCoy, A. P., Sanderford, A. R., **Franck, C. T.**, & Keefe, M. J. (2015). Diffusion of green building technologies in new housing construction. *Energy and Buildings*, 97, 175–185.
8. McCoy, A. P., Koebel, C. T., Sanderford, A. R., **Franck, C. T.**, & Keefe, M. J. (2015). Adoption of high-performance housing technologies among U.S. homebuilding firms, 2000 through 2010. *Cityscape: A Journal of Policy Development and Research*, 17(2), 167–187.
9. Wilson, A. G., **Franck, C. T.**, Koffarnus, M. N., & Bickel, W. K. (2015). Behavioral economics of cigarette purchase tasks: Within-subject comparison of real, potentially real, and hypothetical cigarettes. *Nicotine & Tobacco Research*, ntv154.

10. Wilson, A. G., **Franck, C. T.**, Koffarnus, M. N., Reese, R. C., Bixel, K. D., & Bickel, W. K. (2015). An internet-acquired recovery sample: Initial findings from the international quit and recovery registry. *Drug and Alcohol Dependence*, *146*, e24.
11. Wilson, A. G., **Franck, C. T.**, Mueller, E. T., Landes, R. D., Kowal, B. P., Yi, R., & Bickel, W. K. (2015). Predictors of delay discounting among smokers: Education level and a utility measure of cigarette reinforcement efficacy are better predictors than demographics, smoking characteristics, executive functioning, impulsivity, or time perception. *Addictive Behaviors*, *45*, 124–133.
12. Anderson, D. E., **Franck, C. T.**, & Madigan, M. L. (2014). Age differences in the required coefficient of friction during level walking do not exist when experimentally-controlling speed and step length. *Journal of Applied Biomechanics*, *30*(4), 542–546.
13. Bickel, W. K., Wilson, A. G., **Franck, C. T.**, Mueller, E. T., Jarmolowicz, D. P., Koffarnus, M. N., & Fede, S. J. (2014). Using crowdsourcing to compare temporal, social temporal, and probability discounting among obese and non-obese individuals. *Appetite*, *75*, 82–89.
14. Boone, J. H., Archbald-Pannone, L. R., Wickham, K. N., Carman, R. J., Guerrant, R. L., **Franck, C. T.**, & Lyerly, D. M. (2014). Ribotype 027 *Clostridium difficile* infections with measurable stool toxin have increased lactoferrin and are associated with a higher mortality. *European Journal of Clinical Microbiology & Infectious Diseases*, *33*(6), 1045–1051.
15. Brunson, J. C., Fassino, S., McInnes, A., Narayan, M., Richardson, B., **Franck, C. T.**, Ion, P., & Laubenbacher, R. (2014). Evolutionary events in a mathematical sciences research collaboration network. *Scientometrics*, *99*(3), 973–998.
16. Price, J. E., Zipper, C. E., Jones, J. W., & **Franck, C. T.** (2014). Water and sediment quality in the Clinch River, Virginia and Tennessee, USA, over nearly five decades. *Journal of the American Water Resources Association*, *50*(4), 837–858.
17. Ball, D., Adames, N., Reischmann, N., Barik, D., **Franck, C. T.**, Tyson, J. J., & Peccoud, J. (2013). Measurement and modeling of transcriptional noise in the cell cycle regulatory network. *Cell Cycle*, *12*(19), 3392–3407.
18. **Franck, C. T.**, Nielsen, D. M., & Osborne, J. A. (2013). A method for detecting hidden additivity in two-factor unreplicated experiments. *Computational Statistics & Data Analysis*, *67*, 95–104.
19. Highnam, G., **Franck, C. T.**, Martin, A., Stephens, C., Puthige, A., & Mittelman, D. (2013). Accurate human microsatellite genotypes from high-throughput resequencing data using informed error profiles. *Nucleic Acids Research*, *41*(1), e32.
<http://doi.org/10.1093/nar/gks981>
20. Levine, M. B., Moore, A. B., **Franck, C. T.**, Li, J., & Kuehl, D. R. (2013). Variation in use of all types of computed tomography by emergency physicians. *The American Journal of Emergency Medicine*, *31*(10), 1437–1442.
<http://doi.org/http://dx.doi.org/10.1016/j.ajem.2013.07.003>
21. Levine, M. B., Moore, A. B., Kuehl, D. R., **Franck, C. T.**, & Li, J. (2013). Emergency physician variation in admissions for common chief complaints. *Annals of Emergency Medicine*, *4*(62), S60–S61.
22. Moore, A. B., Levine, M. B., Kuehl, D. R., **Franck, C. T.**, & Li, J. (2013). Emergency

- department physician computed tomography utilization and admission rates. *Annals of Emergency Medicine*, 4(62), S57.
23. Beeman, S. M., Kemper, A. R., Madigan, M. L., **Franck, C. T.**, & Loftus, S. C. (2012). Occupant kinematics in low-speed frontal sled tests: Human volunteers, Hybrid III ATD, and PMHS. *Accident Analysis & Prevention*, 47, 128–139.
 24. Bickel, W. K., Jarmolowicz, D. P., Mueller, E. T., **Franck, C. T.**, Carrin, C., & Gatchalian, K. M. (2012). Altruism in time: Social temporal discounting differentiates smokers from problem drinkers. *Psychopharmacology*, 224(1), 109–120.
 25. Jarmolowicz, D. P., Bickel, W. K., Carter, A. E., **Franck, C. T.**, & Mueller, E. T. (2012). Using crowdsourcing to examine relations between delay and probability discounting. *Behavioural Processes*, 91(3), 308–312.
 26. Nichols, T. C., Franck, H. W. G., **Franck, C. T.**, DeFriess, N., Raymer, R. A., & Merricks, E. P. (2012). Sensitivity of whole blood clotting time and activated partial thromboplastin time for factor IX: relevance to gene therapy and determination of post-transfusion elimination time of canine factor IX in hemophilia B dogs. *Journal of Thrombosis and Haemostasis*, 10(3), 474–476.
 27. Serenari, C., Leung, Y.-F., Attarian, A., & **Franck, C. T.** (2012). Understanding environmentally significant behavior among whitewater rafting and trekking guides in the Garhwal Himalaya, India. *Journal of Sustainable Tourism*, 20(5), 757–772.
<http://doi.org/10.1080/09669582.2011.638383>
 28. Shallom, S. J., Tae, H., Sarmiento, L., Preston, D., McIver, L., **Franck, C. T.**, Dickerman, A., Adams, L.G., and Garner, H. R. (2012). Comparison of genome diversity of *Brucella* spp. field isolates using Universal Bio-signature Detection Array and whole genome sequencing reveals limitations of current diagnostic methods. *Gene*, 509(1), 142–148.
 29. Zhou, L., **Franck, C. T.**, Yang, K., Pilot, G., Heath, L. S., & Grene, R. (2012). Mining for meaning: Visualization approaches to deciphering Arabidopsis stress responses in roots and shoots. *OmicS: A Journal of Integrative Biology*, 16(4), 208–228.
 30. Gupta, P. K., **Franck, C. T.**, Miller, W. J., Gupta, H., & Forse, R. A. (2011). Development and validation of a bariatric surgery morbidity risk calculator using the prospective, multicenter NSQIP dataset. *Journal of the American College of Surgeons*, 212(3), 301–309.

Manuscripts Accepted/In Press

31. Moody, L., **Franck, C. T.**, & Bickel, W. K. Impulsivity and polysubstance use: A systematic comparison of delay discounting in mono, dual, and tri-substance use. Accepted, *Experimental and Clinical Psychopharmacology*.
32. **Franck, C. T.**, & Osborne, J. A. Exploring interaction effects in factorial studies using the *hiddenf* package in R. Accepted, *R Journal*.

Manuscripts Submitted

33. Bickel, W. K., **Franck, C. T.**, Koffarnus, M. N., Wilson, A. G., Reese, R. C., Carter, A. E., Gatchalian, K. M., & Quisenberry, A. J. An Internet-acquired recovery sample: A descriptive study from the International Quit & Recovery Registry. Submitted, *Journal of Substance Abuse Treatment*.

34. Bickel, W. K., Wilson, A. G., Chen, C., Koffarnus, M. N., & **Franck, C. T.** Stuck in time: negative income shock constricts the temporal window of valuation spanning the future and the past. *Submitted, Proceedings of the National Academy of Sciences.*
35. Keefe, M. J., **Franck, C. T.**, & Woodall, W. H. Monitoring foreclosure rates with a risk-adjusted Bernoulli CUSUM chart for concurrent observations. *Submitted, Journal of Applied Statistics.*
36. Moody, L., **Franck, C. T.**, & Bickel, W. K. Comorbid depression, antisocial personality, & substance dependence: relationship with delay discounting. *Submitted, Drug and Alcohol Dependence.*

Other Publications

1. **Franck, C. T.** (2013, October 1). Is Nate Silver a statistician? *AMSTAT News.*
2. **Franck, C. T.**, Osborne, J., & Nielsen, D. (2011). *An all configurations approach for detecting hidden-additivity in two-way unreplicated experiments* (Technical Report No. 2636). North Carolina State University.

Intellectual Property Disclosures, Patents, and Software Developed

1. Mittelman, D. A., & **Franck, C. T.** (2014, April). System and method for genotyping using informed error profiles. Retrieved from <http://www.freepatentsonline.com/y2014/0114582.html>
2. Osborne, J.A., **Franck, C. T.**, & Choi, B. *hiddenf: the all-configurations, maximum-interaction F-test for hidden additivity*. R package on the Comprehensive R Archive Network.

GRANTS

Active

1. NIH: "Delay Discounting as a Target for Self-Regulation in Prediabetes" UH2 DK109543 01. PI: Epstein, L.H., and Bickel, W.K., Role: Co-Investigator. \$2,155,293 total. (09/2015-08/2018)
2. Carilion Medical Center: "Evaluation of the utility of telemetry in patients admitted for chest pain who are at low risk for Acute Coronary Syndrome." PI: Franck, C.T. (subcontract), Role: Principal Investigator. \$4,000 total. (10/2015-10/2016)
3. NIH/NIDA: "Self-Control Improvement Intervention (SCII): Improving Abstinence in Smokers" R01 DA034755 01A1. PI: Bickel, W.K., Role: Statistician. \$4,379,053 total. (07/2013-06/2018)
4. NIH/NIAAA: "The Repair of Self-Control in Alcohol Dependence: Working Memory and Real Time fMRI" R01AA021529-01A1. PI: Bickel, W.K., and LaConte, S.M., Role: Statistician. \$3,414,145 total. (09/2013-05/2018)
5. NIH/NCI: "The Social Interactome of Recovery: Social Media as Therapy Development" 1 R01 DA039456 01. PI: Bickel, W.K., Role: Co-Investigator. \$2,228,880 total. (09/2014-08/2017)

6. NIH/NCI: “Models for Tobacco Product Evaluation” 1U19CA157345-01A1. PI: Hatsukami, D.K., and Shields, P.C., Role: Statistician. \$16,583,352 total. (09/2012-08/2017)
7. NIH/NIMHD: “RITCh: Reducing Socioeconomic Disparities in Tobacco Dependence Treatment Outcomes” 1R01MD007054-01. PI: Sheffer, C.E., Role: Statistician. \$1,871,670 total. (07/2012-01/2017)
8. NIH: “Enhancing Relapse Prevention for Smoking Cessation with rTMS” R21CA17881301A. PI: Sheffer, C.E., Role: Statistician. \$579,899 total. (09/2014-08/2016)
9. NIH/NIDA: “Inter-Temporal Trade-offs in the Risky Decisions of Cocaine Addicts” R01 DA030241 01. PI: Bickel, W.K., Role: Statistician. \$3,617,360 total. (07/2010-03/2016)

Past

10. Hanley Wood: “Improving the Value of the Reporting and Intelligence of the Nation’s Door, Window, and Skylight Manufacturers” 14-0441-08. PI: McCoy, A.P., Role: Statistician. \$50,000 total. (08/2013-07/2015)
11. Housing Virginia: “The Impact of Energy Efficiency Construction for LIHTC Housing in Virginia” 14-0395-08. PI: McCoy, A.P., Role: Statistician. \$51,559 total. (11/2013-10/2014)
12. NIH/NIDA: “Executive Function Therapy for Stimulant Addiction” R01 DA024080-01. PI: Bickel, W.K., Role: Statistician. \$2,933,070 total. (09/2008-06/2014)
13. NIH/NIDA: “Executive Function Therapy for Stimulant Addiction (ARRA Supplement)” R01 DA024080-04S1. PI: Bickel, W.K., Role: Statistician. \$189,334 total. (09/2008-06/2014)
14. HUD Grant: “Impact of Market Behavior on the Adoption and Diffusion of Innovative Green Building Technologies” 10814146. PI: McCoy, A.P., Role: Statistician. \$363,475 total. (01/2012-01/2014)

Pending

15. Google: “The Laboratory for Online Bayesian Analysis and Education” PI: **Franck, C.T.** \$40,000 total. (02/2016-01/2017)
16. Texas A&M University System: “Effects of Obesity and Age on Fall Risk – Implications for Interventions” PUT7FA2J. PI: Madigan, M.L., Role: Co-Investigator. \$827,259 total. (07/2016-06/2019)

INVITED PRESENTATIONS AND SYMPOSIA

1. **Franck, C. T.** (2016). *Accurate characterization of delay discounting: A multiple model approach using approximate Bayesian model selection and a unified discounting measure*. Journal of Experimental Analysis of Behavior Editor’s Choice invited tutorial, Society for the Quantitative Analyses of Behavior, Chicago, IL.
2. **Franck, C. T.**, Keefe, M. J., Woodall, W. H., & Ferreira, M. A. R. (2015). *A study of foreclosures from 2005-2014 using statistical monitoring and disease mapping approaches*. Presented at the Social and Decision Analytics Laboratory, Arlington, VA.

3. **Franck, C. T.** (2013). *An approach for large scale statistical collaboration in the university setting*. Invited talk, Department of Statistics, North Carolina State University.

PRESENTATIONS

1. **Franck, C. T.** (2016). Can educational cyberinfrastructure empower non-statisticians with Bayesian methodology? To be presented at the 2016 ASA Conference on Statistical Practice, San Diego, CA.
2. **Franck, C. T.**, & Osborne, J. A. (2015, August). Testing for hidden additivity in factorial experiments using the hiddenf package in R. Contributed paper presented at the Joint Statistical Meetings, Seattle, WA.
3. Garman, C. R., & **Franck, C. T.** (2015). A bootstrapping method to assess the influence of age, obesity, and gender on probability of tripping as a function of obstacle height. Presented at the 2015 Summer Biomechanics, Bioengineering and Biotransport Conference (SB3C2015).
4. **Franck, C. T.** (2014). The research track: Possibilities and risks along the promotion path for collaborating statisticians in academia. Topic contributed panel discussion presented at the 2014 Joint Statistical Meetings, Boston, MA.
5. McCoy, A. P., Koebel, C. T., **Franck, C. T.**, Sanderford, A. R., & Rahmandad, H. (2014). Impact of market behavior on the adoption and diffusion of innovative green building technologies in residential firms. Presented at the Department of Housing and Urban Development Semi-Annual Update.
6. Moody, L., **Franck, C. T.**, Hatz, L., & Bickel, W. K. (2014). Delay discounting in polysubstance dependence. In *Drug and Alcohol Dependence* (Vol. 146, p. e44). San Juan, Puerto Rico: Elsevier Inc.
<http://doi.org/http://dx.doi.org/10.1016/j.drugalcdep.2014.09.491>
7. Quisenberry, A., **Franck, C. T.**, Koffarnus, M. N., & Bickel, W. K. (2014). Delay discounting in current, ex, and non-smokers: Interactions with gender. In *Drug and Alcohol Dependence* (Vol. 146, pp. e73–e74). San Juan, Puerto Rico: Elsevier Inc.
<http://doi.org/http://dx.doi.org/10.1016/j.drugalcdep.2014.09.569>
8. **Franck, C. T.** (2013). Wins, losses, and lessons as an early-career statistician collaborating and teaching in university, research institute, and medical school settings. Topic contributed paper presented at the Joint Statistical Meetings, Montreal, Canada.
9. Nikkhoo, P., Sanderford, A. R., McCoy, A. P., Koebel, C. T., **Franck, C. T.**, & Rahmandad, H. (2013). Adoption of innovative products in the US housing industry: Builders practices 2000-2010. Presented at the Residential Building Design and Construction Conference, Bethlehem, PA.
10. Osborne, J. A., & **Franck, C. T.** (2013). Looking for (and finding!) hidden additivity in complete block designs with the hiddenf package. Presented at the The R User Conference 2013, University of Castilla-La Mancha, Albacete, Spain.
11. Koffarnus, M. N., Mueller, E. T., Jarmolowicz, D. P., Gatchalian, K. M., **Franck, C. T.**, & Bickel, W. K. (2012). Additive effects of smoking status and obesity on delay discounting and social discounting. Presented at the 2012 Annual Meeting of the College on

Problems of Drug Dependence, Palm Springs, CA.

12. **Franck, C. T.** (2011). An all configurations approach to testing for latent group-based interaction effects in two-way unreplicated experiments. Contributed paper presentation presented at the Joint Statistical Meetings, Miami, FL.

POSTERS

1. Feng, J., Pittman, J., Sheffer, C. E., Panissidi, L., Bickel, W. K., & Franck, C. T. (2016). Tobacco dependence treatment outcome differences among smokers with and without a history of substance use disorders. Presented at the Society for Research on Nicotine and Tobacco, Chicago, IL.
2. Pittman, J., Sheffer, C. E., Panissidi, L., Feng, J., Bickel, W. K., & Franck, C. T. (2016). Recovery from substance use disorders and tobacco dependence treatment outcomes. Presented at annual meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.
3. Koffarnus, M. N., Franck, C. T., Stein, J. S., & Bickel, W. K. (2015). A behavioral economic demand model modification to improve versatility. Presented at the College on Problems of Drug Dependence, Phoenix, AZ.
4. Snider, S. E., Franck, C. T., Koffarnus, M. N., LaConte, S. M., & Bickel, W. K. (2015). Effects of working memory training regimen on learning acquisition and score asymptote in alcohol dependents. Presented at the College on Problems of Drug Dependence, Phoenix, AZ.
5. Quisenberry, A. J., Perry, E. S., Koffarnus, M. N., Franck, C. T., & Bickel, W. K. (2015). Behavioral economics differentiates smokers with and without other drug dependencies. Presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA.
6. Snider, S. E., Franck, C. T., Koffarnus, M. N., Cummings, M., & Bickel, W. K. (2015). Spotlight labeling: Preliminary findings of the effects of heuristics on nicotine product purchase behavior in an experimental marketplace. Presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Philadelphia, PA.
7. Arena, S. L., Garman, C. R., Nussbaum, M. A., **Franck, C. T.**, & Madigan, M. L. (2014). Required coefficient of friction decreases with increasing gait speed among older obese females. In *Proceedings of the 7th World Congress of Biomechanics*. Boston, MA.
8. Bickel, W. K., Moody, L., Hatz, L., & **Franck, C. T.** (2014). Valuation of future rewards in alcohol users with and without smoking dependency. In *Alcoholism: Clinical and Experimental Research* (Vol. 38, p. 123A–123A). Bellevue, WA: Wiley-Blackwell 111 River St, Hoboken 07030-5774, NJ USA.
9. Levine, M. B., Moore, A. B., Kuehl, D. R., **Franck, C. T.**, & Li, J. (2014). Emergency physician variation in admissions for common chief complaints. In *Annals of Emergency Medicine*. Seattle, WA.
10. Moore, A. B., Levine, M. B., Kuehl, D. R., **Franck, C. T.**, & Li, J. (2014). Emergency department physician computed tomography utilization and admission rates. In *Annals of Emergency Medicine*. Seattle, WA.
11. Wilson, A. G., **Franck, C. T.**, Koffarnus, M. N., Reese, R. C., Bixel, K. D., & Bickel, W. K.

- (2014). An internet-acquired recovery sample: Initial findings from the International Quit and Recovery Registry. In *Drug and Alcohol Dependence*. San Juan, Puerto Rico: Elsevier Inc.
12. Bickel, W. K., **Franck, C. T.**, Jarmolowicz, D. P., Mueller, E. T., Carter, A., Gatchalian, K. M., Koffarnus, M.N., & Moody, L. (2013). Executive functioning deficits in alcohol-dependent individuals. In *Alcoholism: Clinical and Experimental Research* (Vol. 37, p. 27A). Orlando, FL. <http://doi.org/DOI: 10.1111/acer.12162>
 13. Bickel, W. K., **Franck, C. T.**, Mueller, E. T., Carter, A. E., Jarmolowicz, D. P., Gatchalian, K. M., Koffarnus, M. N., & Moody, L. (2013). Executive functioning differences in individuals with alcohol use disorders. Presented at the Research Society on Alcoholism, Orlando, FL.
 14. McCoy, A. P., Koebel, C. T., Sanderford, A. R., **Franck, C. T.**, & Keefe, M. J. (2013). Narrowing the chasm: Agile patterns of adoption and diffusion of innovation in the U.S. housing industry from 2000–2010. In *Proceedings of the Ewing Marion Kauffman Foundation 2013 Industry Studies Conference*. Kansas City, MO.
 15. Moody, L., **Franck, C. T.**, Jarmolowicz, D. P., Mueller, E. T., Carter, A., Gatchalian, K., Koffarnus, M.N., & Bickel, W. K. (2013). Executive functioning deficits in cocaine-dependent individuals. In *Drug and Alcohol Dependence* (Vol. 140, p. e155). San Diego, CA: Elsevier Inc. <http://doi.org/http://dx.doi.org/10.1016/j.drugalcdep.2014.02.437>
 16. Moore, A. B., Levine, M. B., Kuehl, D. R., **Franck, C. T.**, & Li, J. (2013). Increase and variation in computed tomography use for obese patients by EM physicians. Presented at the Society for Academic Emergency Medicine Mid-Atlantic Regional Conference.
 17. Bickel, W. K., Mueller, E. T., **Franck, C. T.**, Jarmolowicz, D. P., Gatchalian, K. M., Fede, S. J., & Wesley, M. J. (2012). On the relations between temporal discounting and obesity: Evidence from a large-scale crowdsourcing study. Presented at the Obesity 2012 - 30th Annual Scientific Meeting of The Obesity Society, San Antonio, TX.
 18. Boone, J. H., Archbald-Pannone, L. R., Carman, R. J., McCoy, C., Wickham, K. N., Guerrant, R. L., **Franck, C.T.**, & Lyerly, D. M. (2012). Hospitalized patients with ribotype 027 *Clostridium difficile* infection and stool cytotoxicity have more severe disease with an increased risk of death. Presented at the United European Gastroenterology Week, Amsterdam, The Netherlands.
 19. **Franck, C. T.**, Highnam, G., Leman, S. C., & Mittelman, D. A. (2012). Characterizing genetic variation from high-throughput sequencing data using Dirichlet process Gaussian mixture models. Presented at the Personal Genomes and Medical Genomics, Cold Spring Harbor, NY.
 20. **Franck, C. T.**, Highnam, G., Martin, A., & Mittelman, D. A. (2012). A Bayesian method for genotyping tandem repeats from high-throughput resequencing data using error profiles informed by sequence and read characteristics. Presented at the Biology of Genomes, Cold Spring Harbor, NY.
 21. **Franck, C. T.**, Koffarnus, M. N., House, L. L., Jarmolowicz, D. P., Mueller, E. T., & Bickel, W. K. (2012). Characterizing heterogeneity in discounting patterns among cocaine users via Bayesian model selection. Presented at the Carilion Research Day.
 22. Jarmolowicz, D. P., Bickel, W. K., **Franck, C. T.**, Carter, A. E., & Koffarnus, M. N. (2012). On the relation between delay discounting and demand in cocaine addicts.

Presented at the 2012 Annual Meeting of the College on Problems of Drug Dependence, Palm Springs, CA.

23. Levine, M. B., Moore, A. B., Kuehl, D. R., **Franck, C. T.**, & Li, J. (2012). Variation in use of all types of computed tomography by emergency physicians. In *Annals of Emergency Medicine* (Vol. 60, pp. S104–S105). Denver, CO: Mosby-Elsevier 360 Park Avenue South, New York, NY 10010-1710 USA.
<http://doi.org/10.1016/j.annemergmed.2012.06.272>
24. Koffarnus, M. N., Mueller, E. T., Jarmolowicz, D. P., Gatchalian, K. M., **Franck, C. T.**, & Bickel, W. K. (2012). Body mass index predicts delay discounting and social discounting rates. Presented at the 2012 Annual Convention of the American Psychological Association, Orlando, FL.
25. Mueller, E. T., Bickel, W. K., **Franck, C. T.**, Gatchalian, K. M., & Fede, S. J. (2012). Temporal stability of demand curve measures from stimulant abusers. Presented at the 2012 Annual Convention of the American Psychological Association, Orlando, FL.