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**Education**

B.S. (Hons) 1996 Kinesiology Loughborough University, Leicestershire, England

P.G.C.E. 1997 Physical Education Loughborough University, Leicestershire, England

M.S.HEd. 2000 Health Education Arcadia University, Glenside, PA, USA

Ph.D. 2002-07 Public Health Temple University, Philadelphia, PA, USA

Honors and Awards

2015 Best Research Poster Award, Center for Cardiovascular Health Research Symposium, October 23 2015.

2015 American Schools and Programs of Public Health (ASPPH) /Pfizer Early Career in Public Health Teaching Award [www.aspph.org/aspph-announces-2015-faculty-award-recipients/](http://www.aspph.org/aspph-announces-2015-faculty-award-recipients/)

2014College of Health Profession’s, Dean’s Incentive Research Award

2014 American Dental Student Association Conference, **Poster Presentation Award** to Bari Levine DMD (student), my mentee.

Work Experience

2015 – Current Assistant Professor of Health Promotion

Department of Behavioral Health and Nutrition, University of Delaware

2013 – 2015 Assistant Professor of Kinesiology (secondary appointment)

Temple University College of Health Professions and Social Work

Co-Director, Social and Behavioral Health Division, Department of Public Health. Temple University College of Health Professions and Social Work

2010 – 2015 Assistant Professor of Public Health (Teaching and Research)

Temple University College of Health Professions and Social Work

**2009 –2010** **Research Associate** University of Pennsylvania, School of Medicine and School of Nursing Department of Epidemiology, Center for Health Behavior Research.

**2007 –2009 Post-Doctoral Associate** University of Pennsylvania, School of Medicine  
Transdisciplinary Tobacco Use Research Center

**2001 –2007 Project Manager and Smoking Cessation Counselor**   
University of Pennsylvania, School of Medicine  
Transdisciplinary Tobacco Use Research Center

**1999 –2001 Project Coordinator**Fox Chase Cancer CenterPsychosocial and Behavioral Medicine Program

**Publications**

1. Daly, B. P., Jameson, J. P., **Patterson, F.**, McCurdy, M., Kirk, A., & Michael, K. D. (2015). Sleep duration, mental health, and substance use among rural adolescents: Developmental correlates. *Journal of Rural Mental Health, 39*(2), 108-122.
2. Carter, S. R., Walker, A., Abdul-Latif, S., Maurer, L., Masunungure, D., Tedaldi, E., & **Patterson, F.** (2015). Nice to your heart: A pilot community-based intervention to improve heart health behaviours in urban residents. *Health Education Journal*, 1-12. doi:doi: 10.1177/0017896915577400.
3. Nair, U. S., Collins, B. N., **Patterson, F**., & Rodriguez, D. (2015). Promoting pre-quit physical activity to reduce cue reactivity among low-income sedentary smokers: A randomized proof of concept study. *Contemp Clin Trials, 42*, 158-166. doi:10.1016/j.cct.2015.03.002.
4. Bass, S. B., Leader, A., Shwarz, M., Greener, J., & **Patterson, F.** (2015). Correlates to Human Papillomavirus Vaccination Status and Willingness to Vaccinate in Low-Income Philadelphia High School Students. *Journal of School Health, 85*(8), 527-535. doi:10.1111/josh.12284
5. Coleman, C., Wileyto, E. P., Lenhart, C., & **Patterson, F.** (2014). Multiple Health Risk Behaviors in Adolescents: An Examination of Youth Risk Behavior Survey Data. *American Journal of Health Education, 45*(271-277).
6. Lenhart, C., **Patterson, F.,** Brown, M. D., O'Brien, M. J., & Nelson, D. B. (2014). Gender disparity in physical activity among a diverse, school-based sample of urban youth. *American Journal of Health Education*, 45:4, 219-228, DOI: 10.1080/19325037.2014.916638
7. Seravalli, L., **Patterson, F.,** & Nelson, D. B. (2014). Role of Perceived Stress on the Occurrence of Preterm Labor and Spontaneous Preterm Birth *Journal of Midwifery and Women’s Health*, 59(4):374-9. doi: 10.1111/jmwh.12088
8. Lenhart, C. M., Manjelievskaia, J., Echeverri, A., & Patterson, F. (2014). Cardiovascular health among Philadelphia adolescents: analysis of youth risk behaviour data, 2011. [Research Support, Non-U.S. Gov't]. *Cardiol Young, 24*(4), 748-751. doi: 10.1017/S1047951113001121
9. **Lewis, J., Ma, G.,** Patterson, F., **& Wang, M. Q. (2013). Correlates of blood pressure control behaviors among Korean Americans in the Greater Philadelphia Area. Psychological Reports, 113(3).**
10. Lenhart, C., Bauer, K., **Patterson, F** (2013). Weight Status and Weight Management Behaviors in Urban High School Students. *Preventing Chronic Disease*, 10, 130087.
11. **Patterson, F.** (2013).Multiple Health Behavior Change in Sequence, the case for Physical Activity and Smoking Cessation.*Journal of Health Behavior and Public Health, 3*(1).
12. **Patterson, F.,** Seravalli, L., Hanlon, A., & Nelson, D. B. (2012). Neighborhood safety as a correlate of tobacco use in a sample of urban, pregnant women. *Addictive Behaviors, 37*(10), 1132-1137.
13. **Lenhart, C., Hanlon, A., Kang, Y., Daly, B., Brown, M.D., &** Patterson, F. **(2012). Gender Disparity in Structured Physical Activity and Overall Activity Level in Adolescence: Evaluation of Youth Risk Behavior Surveillance Data. ISRN Public Health.**
14. Nelson, D.B., Sammel, M. D., **Patterson, F.,** Lin, H., Gracia, C. R., & Freeman, E. W. (2011). Effects of reproductive history on symptoms of menopause: a brief report. *Menopause*, 18(10), 1143-1148.
15. Schnoll, R. A., Cappella, J., Lerman, C., Pinto, A., **Patterson, F.,** Wileyto, E. P., et al. (2011). A Novel Recruitment Message to Increase Enrollment into a Smoking Cessation Treatment Program: Preliminary Results from a Randomized Trial. *Health Communication*, 1-8.
16. **Patterson, F**., Wilyeto, E.P., Segal, J., Kurz, J., Glanz, K., Hanlon, A. (2010). Intention to quit smoking: role of personal and family member cancer diagnosis. *Health Education Research*, 25(5):792-802.
17. Rudnick, N.D., Strasser, A.A., Phillips, J.M., Jepson, C., **Patterson, F.,** Frey, J.M., Turetsky, B.I., Lerman, C., Siegel (2010). Mouse model predicts effects of smoking and varenicline on event-related potentials in humans. *Nicotine and Tobacco Research*, 12(6):589-97.
18. Lerman, C., Jepson, C., Wileyto, E.P., **Patterson, F.,** Schnoll, R., Mroziewicz, M., Benowitz, N., Tyndale, R.F. (2010). Genetic variation in nicotine metabolism predicts the efficacy of extended-duration transdermal nicotine treatment. *Clinical Pharmacology and Therapeutics*, 87(5).
19. Ray R, Mitra N, Baldwin D, Guo M, **Patterson F,** Heitjan DF, Jepson C, Wileyto EP, Wei J, Payne T, Ma JZ, Li MD, Lerman C. (2010). Convergent evidence that choline acetyltransferase gene variation is associated with prospective smoking cessation and nicotine dependence. *Neuropsychopharmacology*, 35(6).
20. Schnoll RA, **Patterson F**, Wileyto EP, Heitjan DF, Shields AE, Asch DA, Lerman C. (2010). Effectiveness of extended-duration transdermal nicotine therapy: a randomized trial. *Annals of Internal Medicine.* 152(3).
21. **Patterson F,** Jepson C, Loughead J, Perkins K, Strasser AA, Siegel S, Frey J, Gur R, Lerman C. (2010). Working memory deficits predict short-term smoking resumption following brief abstinence*. Drug and Alcohol Dependence*. 106(1).
22. Schnoll, R. A., & **Patterson, F.** (2009). Sex heterogeneity in pharmacogenetic smoking cessation clinical trials. *Drug and Alcohol Dependence, 104 Suppl 1*, S94-99.
23. **Patterson, F.,** Jepson, C., Strasser, A. A., Loughead, J., Perkins, K. A., Gur, R. C., et al. (2009). Varenicline improves mood and cognition during smoking abstinence. *Biological Psychiatry, 65*(2), 144-149.
24. Heitjan DF, Asch DA, Ray R, Rukstalis M, **Patterson F**, Lerman C. (2008). Cost-effectiveness of pharmacogenetic testing prior to tailor smoking-cessation treatment. *Pharmacogenetics*. 8(6): 391-9.
25. **Patterson, F.,** Kerrin, K., Wileyto, E. P., & Lerman, C. (2008). Increase in anger symptoms after smoking cessation predicts relapse. *Drug and Alcohol Dependence, 95*(1-2), 173-176.
26. Schnoll, R. A., **Patterson, F.,** Wileyto, E. P., Tyndale, R. F., Benowitz, N., & Lerman, C. (2008). Nicotine metabolic rate predicts successful smoking cessation with transdermal nicotine: A validation study. *Pharmacol Biochem Behav*. 92(1):6-11.
27. Ray, R., Rukstalis, M., Jepson, C., Strasser, A. A., **Patterson, F.,** Lynch, K., et al. (2008). Effects of atomoxetine on subjective and neurocognitive symptoms of nicotine abstinence. *J Psychopharmacol*. 23(2): 168-76.
28. **Patterson F**, Schnoll RA, Wileyto EP, Pinto A, Epstein LH, Shields PG, Hawk LW, Tyndale RF, Benowitz N, Lerman C. (2008). Toward personalized therapy for smoking cessation: a randomized placebo controlled trail of bupropion. *Clinical Pharmacology and Therapeutics*. 84(3):320-5.
29. Schnoll, R. A., **Patterson, F**., & Lerman, C. (2007). Treating tobacco dependence in women. *J Womens Health (Larchmt), 16*(8), 1211-1218.
30. Wang Z, Faith M, **Patterson F,** Tang K, Kerrin K, Wileyto EP, Detre JA, Lerman C. (2007). Neural substrates of abstinence-induced cigarette craving in chronic smokers. *Journal of Neuroscience*, 27(51):14035-40.
31. Ray R, Jepson C, Wileyto EP, Dahl JP, **Patterson** F, Rukstalis M, Pinto A, Berrettini W, Lerman C. (2007). Genetic variation in mu-opioid-receptor-interacting proteins and smoking cessation in a nicotine replacement therapy trial. *Nicotine and Tobacco Research*. 9(11):1237-41.
32. Ray R, Jepson C, Wileyto P, **Patterson F,** Strasser AA, Rukstalis M, Perkins K, Blendy J, Lerman C. (2007). CREB1 haplotypes and the relative reinforcing value of nicotine. *Molecular Psychiatry*. 12(7):615-7.
33. Malaiyandi, V., Lerman, C., Benowitz, N. L., Jepson, C., **Patterson, F.,** & Tyndale, R. F. (2006). Impact of CYP2A6 genotype on pretreatment smoking behavior and nicotine levels from and usage of nicotine replacement therapy. *Mol Psychiatry, 11*(4), 400-409.
34. Lerman, C., Tyndale, R., **Patterson, F.**, Wileyto, E. P., Shields, P. G., Pinto, A., et al. (2006). Nicotine metabolite ratio predicts efficacy of transdermal nicotine for smoking cessation. *Clin Pharmacol Ther, 79*(6), 600-608.
35. Lerman, C., Jepson, C., Wileyto, E. P., Epstein, L. H., Rukstalis, M., **Patterson, F**., et al. (2006). Role of functional genetic variation in the dopamine D2 receptor (DRD2) in response to bupropion and nicotine replacement therapy for tobacco dependence: results of two randomized clinical trials. *Neuropsychopharmacology, 31*(1), 231-242.
36. Ray, R., Jepson, C., **Patterson, F.,** Strasser, A., Rukstalis, M., Perkins, K., et al. (2006). Association of OPRM1 A118G variant with the relative reinforcing value of nicotine. *Psychopharmacology (Berl), 188*(3), 355-363.
37. Dahl JP, Jepson C, Levenson R, Wileyto EP, **Patterson F**, Berrettini WH, Lerman C. (2006). Interaction between variation in the D2 dopamine receptor (DRD2) and the neuronal calcium sensor-1 (FREQ) genes in predicting response to nicotine replacement therapy for tobacco dependence. *Pharmacogenetics*. 6(3):194-9.
38. Lerman, C., **Patterson, F**., & Berrettini, W. (2005). Treating tobacco dependence: state of the science and new directions. *Journal of Clinical Oncology, 23*(2), 311-323.
39. Rukstalis, M., Jepson, C., Strasser, A., Lynch, K. G., Perkins, K., **Patterson, F.,** & Lerman, C. (2005). Naltrexone reduces the relative reinforcing value of nicotine in a cigarette smoking choice paradigm. *Psychopharmacology (Berl)*.
40. Rukstalis, M., Jepson, C., **Patterson, F**., & Lerman, C. (2005). Increases in hyperactive-impulsive symptoms predict relapse among smokers in nicotine replacement therapy. *Journal of Substance Abuse Treatment, 28*(4), 297-304.
41. Blendy, J. A., Strasser, A., Walters, C. L., Perkins, K. A., **Patterson, F.,** Berkowitz, R., & Lerman, C. (2005). Reduced nicotine reward in obesity: cross-comparison in human and mouse. *Psychopharmacology (Berl), 180*(2), 306-315.
42. Wileyto, E. P., **Patterson, F.,** Niaura, R., Epstein, L. H., Brown, R. A., Audrain-McGovern, J., Hawk, L. W., Jr., & Lerman, C. (2005). Recurrent event analysis of lapse and recovery in a smoking cessation clinical trial using bupropion. *Nicotine and Tobacco Research, 7*(2), 257-268.
43. Munafo, M. R., Shields, A. E., Berrettini, W. H., **Patterson, F**., & Lerman, C. (2005). Pharmacogenetics and nicotine addiction treatment. *Pharmacogenomics, 6*(3), 211-223.
44. Collins B, Wileyto EP, **Patterson F**, et al. Gender differences in smoking cessation in a placebo-controlled trial of bupropion with behavioral counseling. *Nicotine and Tobacco Research.* 2004;6(1).
45. Lerman, C., Kaufmann, V., Rukstalis, M., **Patterson, F.,** Perkins, K., Audrain-McGovern, J., & Benowitz, N. (2004). Individualizing nicotine replacement therapy for the treatment of tobacco dependence: a randomized trial. *Annals of Internal Medicine, 140*(6), 426-433.
46. **Patterson, F.,** Lerman, C., Kaufmann, V. G., Neuner, G. A., & Audrain-McGovern, J. (2004). Cigarette smoking practices among American college students: review and future directions. *Journal of American College Health, 52*(5), 203-210.
47. **Patterson F**, Jepson C, Kaufman V, Rukstalis M, Audrain-McGovern J, Kucharski S, et al. Predictors of attendance in a randomized clinical trial of Transdermal Nicotine and Nicotine Nasal Spray with Behavioral Counseling*.* *Drug and Alcohol Dependence*. 2003;72(2): 123-31.
48. Lerman, C., Berrettini, W., Pinto, A., **Patterson, F.,** et al. (2004). Changes in food reward following smoking cessation: a pharmacogenetic investigation. *Psychopharmacology (Berl)*.
49. Lerman, C., Wileyto, E. P., **Patterson, F.,** Rukstalis, M., Audrain-McGovern, J., Restine, S., Shields, P. G., Kaufmann, V., Redden, D., Benowitz, N., & Berrettini, W. H. (2004). The functional mu opioid receptor (OPRM1) Asn40Asp variant predicts short-term response to nicotine replacement therapy in a clinical trial. *Pharmacogenomics J, 4*(3), 184-192.
50. Wileyto, P., **Patterson, F.,** Niaura, R., Epstein, L., Brown, R., Audrain-McGovern, J., Hawk, L., & Lerman, C. (2004). Do small lapses predict relapse to smoking behavior under bupropion treatment? *Nicotine and Tobacco Research, 6*(2), 357-366.
51. Strasser, A. A., Pickworth, W. B., **Patterson, F.,** & Lerman, C. (2004). Smoking topography predicts abstinence following treatment with nicotine replacement therapy. *Cancer Epidemiology Biomarkers and Prevention, 13*(11 Pt 1), 1800-1804.
52. Audrain-McGovern, J., Rodriguez, D., Tercyak, K. P., Cuevas, J., Rodgers, K., & **Patterson, F**. (2004). Identifying and characterizing adolescent smoking trajectories. *Cancer Epidemiology Biomarkers and Prevention, 13*(12), 2023-2034.
53. **Patterson** F, Benowitz NL, Shields PG, et al. Individual differences in nicotine boost. *Cancer Epidemiology Biomarkers and Prevention.* 2003;12(5).
54. Audrain-McGovern J, Hughes C, **Patterson F.** Can awareness of family history affect behavior change: Using family history of breast cancer as an example. *American Journal of Preventive Medicine.* 2003; 24(2).
55. Diefenbach, Green, Gray, **Patterson** and Miller (2000). Targeted Smoking-Cessation Programs for Underserved Populations. *Primary Care and Cancer* 20(6).

Book Chapters

1. **Patterson, F.,** Schnoll, R. A., & Lerman, C. Nicotine. In B. Johnson (Ed.), *Addiction Medicine: Science and Practice*. New York: Springer Science + Business Media; 2010.
2. Lerman, C., Schnoll, R. A., & **Patterson, F.** Nicotine Dependence: Current Treatments and Future Directions. In M. Abeloff, J. Armitage & M. Kastanet (Eds.), *Clinical Oncology*. Philadelphia: Elsevier Science Publications; 2008.
3. **Patterson, F.** and C. Lerman. Smoking Cessation: Current Treatments and Future Directions. In M. Abeloff, J. Armitage, M. Kastanet al. ed. *Clinical Oncology*. Philadelphia, Elsevier Science Publications; 2004.
4. Lerman,C., **F.** **Patterson,** and A. Shields: Genetic Basis of Substance Use and Dependence: Implications for Prevention in High-Risk Youth. In: Romer D, ed. *Reducing Adolescent Risk.* Philadelphia: Sage Publications; 2003.

**Student Mentored Research Publications**

1. Duckenfield, J. (2011). Antibiotic Resistance Due to Modern Agricultural Practices: An Ethical Analysis. *Journal of Agricultural & Environmental Ethics* (Dec) 1-18.

Conference Presentations

1. Wolak C, **Patterson F**, Frankel A, Boyer J, Ibrahim J. (2015) Creating an evidence based MPH fieldwork model: From research and implementation through evaluation and dissemination. Poster Presentation, American Public Health Association, Chicago, October 31- November 4.
2. **Patterson, F.,** Lozano, A., Brown, C., Malone, S. K., Grandner, M., & Hanlon, A. (2015). *Long Sleep and Evening Type associated with Poor Cardiovascular Health Behaviors*. Poster Presentation, Cardiovascular Health Symposium. University of Delaware, October 23.
3. **Patterson**, **F.,** Kolman-Taddeo, D., Zaslav, D., Crinner, G., & Satti, A. (2015, May 15-20). *Smoking cessation program attendance among pulmonary clinic patients: Implications for practice.* Paper presented at the American Thoracic Society, Denver, Colorado.
4. **Patterson, F.,** Malone, S. K., Li, Y., & Hanlon, A. L. (2015). *Population assessment of sleep duration, chronotype, and body mass index*. Paper presented at the Society for Behavioral Medicine, San Antonio, Texas.
5. Ibrahim, J., & **Patterson, F**. (2014, April 23). *Bringing it all Together: A Systems Perspective on Addressing Tobacco Use*. Poster presented at the Substance Abuse in the 21st Century: Showcasing Temple University Research, Philadelphia, Pennsylvania.
6. Lenhart, C., Hanlon, A., Kang, Y., Daly, B., Brown, M.D., & **Patterson, F**. (2012, March 13-16). *Gender Differences in the Role of Physical Education and Sports Team Participation on Adolescent Physical Activity Levels.* Paper presented at the Nutrition, Physical Activity and Metabolism and Cardiovascular Disease Epidemiology and Prevention, American Heart Association Conference, San Diego, CA.
7. **Patterson, F.,** Jepson, C., Strasser, A., Perkins, K., Frey, J. M., Boonin, A., et al. (2008). *Mechanisms of Medication Efficacy for Smoking Cessation*. Paper presented at the Society for Research on Nicotine and Dependence, Portland, Oregon.
8. **Patterson, F.,** Wileyto, E. P., Ray, R., & Lerman, C. (2006). *Examination of Post Cessation Weight Gain.* Paper presented at the Society for Research on Nicotine and Tobacco, Orlando, Florida.
9. Wileyto, E. P., **Patterson, F.,** Jepson, C., Audrain-McGovern, J., Kaufmann, V., Rukstalis, M., & Lerman, C. (2004). *Dynamics of Smoking Cessation under two Modes of Delivery (Poster Presentation).* Paper presented at the Society for Research on Nicotine and Tobacco, Scottsdale, Arizona.
10. Rukstalis, M., Jepson, C., **Patterson, F.**, Audrain-McGovern, J., & Lerman, C. (2004). *Reduction in sub-clinical ADHD symptoms predicts abstinence in NRT treatment.* Paper presented at the Society for Research on Nicotine and Tobacco, Scottsdale, Arizona.
11. **Patterson**, Benowitz, Shields, Kaufmann, Jepson, Wileyto, Kucharski, and Lerman. (2003) *Individual differences in nicotine intake per cigarette.* Accepted for poster presentation, Society for Nicotine and Tobacco Research (SRNT), New Orleans and American Society of Preventive Oncology (ASPO), Philadelphia.
12. Collins, Niaura, Wileyto, **Patterson**, Brown, Audrain, Hawk, Epstein and Lerman. (2002) *Gender Differences in Smoking Relapse In A Behavioral Counseling and Placebo-Controlled Buproprion Trial.* Accepted for paper presentation, Society for Nicotine and Tobacco Research (SRNT), Savannah.
13. Collins, Hovell, **Patterson**, Wahlgren, Meltzer, Meltzer, Matt, Hofstetter (2002) *Family life-events of low SES Hispanic smokers with an asthmatic child: prevalence and relationships to outcome in an ETS-reduction trial.*
14. Miller, Gray, **Patterson**, Knowles, Tahin, Buzaglo (2001). *Smoking Cessation for Women at Risk for Cervical Cancer.* Pennsylvania Public Health Association Annual Conference, Philadelphia.
15. **Patterson** and Gray (2000). *The Development of a Targeted Printed Cancer Education Material (PCEM) to Promote Smoking Cessation among Women at Risk for Cervical Cancer.* Community Prevention in Women’s Health Conference, National Institutes of Health, Bethesda, Maryland.
16. Diefenbach, Green, **Patterson**, Gray, Miller (1999). *Developing Printed Educational Materials for Low-Income, Minority Populations.* Tobacco Prevention and Control Conference, Fox Chase Cancer Center.

**Invited Talks**

1. **Patterson, F** and Peters, J(February, 2013). *The Philadelphia YRBS: Trends in Adolescent Health Behavior, 1991-2011* Conference for the Philadelphia Federation of Teachers Health and Welfare Fund, Philadelphia, PA.
2. **Patterson, F** (February, 2013). *Behavioral Risk Factors for Sexually Transmitted Diseases in Philadelphia High School Students*. AIDS Prevention Group, University of Pennsylvania.
3. **Patterson, F** (September, 2012). *Physical Activity as a Treatment for Nicotine Dependence*. Fox Chase Cancer Center, Population Science Division
4. **Patterson, F** (December, 2012). *Sexual Risk Behaviors among Philadelphia High School Students, 1991 – 2011, Findings from the Youth Risk Behavior Survey*. Connect to Protect Working Group, Children’s Hospital of Philadelphia.

**Student Mentored Presentations**

1. Halenar, M. J., Lenhart, C., Kaylor, C., Komaroff, E., & **Patterson, F.** (2012, May 16). *Does the association between built environment and adolescent physical activity vary by gender?*  Poster presented at the College of Physicians, Philadelphia.
2. Echeverri, A., Allen, L., Lenhart, C. M., Manjelievskaia, J., Bauer, K. W., Peters, J., **& Patterson, F.** (2013, April 23).*Cardiovascular Health among Philadelphia Adolescents: Analysis of Youth Risk Behavior Data, 2011*. Poster presented at the Temple Undergraduate Research Forum – Creative Works Symposium, Temple University.
3. Kratchman, R., Collins, D., Allen, L., Carter, S., Masunungure, D., Abdul-Latif, S., Walker, A., & **Patterson, F.** (2013). *Correlates of Attendance to a Community Based Heart Health Program.* Poster presented at the Temple Undergraduate Research Forum – Creative Works Symposium Temple University.
4. Masunungure, D., Walker, A., Carter, S., Abdul-Latif, S., Kratchman, R., Collins, D., Allen, L., Brown, M.D., **Patterson, F.** (2013). *Association between Physical Activity and Perceived Stress: Results from a Pilot Study.* Poster presented at the Temple University Undergraduate Research Forum: Creative Works Symposium.
5. Carter, S., Masunungure, D., Walker, A., Abdul-Latif, S., Kratchman, R., Collins, D., Allen, L., Brown, M.D., **Patterson, F.**. (2013). *Feasibility and Preliminary Efficacy of "Nice to Your Heart," a Community Based Physical Activity Program.* Poster presented at the College of Physicians, Philadelphia, PA.
6. Coleman, C., Wileyto, E. P., & Echeverri, A., **Patterson, F.** (2013). *Multiple Health Risk Behaviors in Adolescents: Examination of Youth Risk Behavior Data.* Poster presented at the College of Health Professions and Social Work, Research Day, Temple University.
7. Coleman, C., Wileyto, E. P., & Echeverri, A., **Patterson, F.** (2013). *Multiple Health Risk Behaviors in Adolescents: Examination of Youth Risk Behavior Data.* Poster presented at the College of Physicians, Philadelphia, PA.
8. Echeverri, A., **Patterson, F.** (2013). *Cardiovascular Health among Philadelphia Adolescents: Analysis of Youth Risk Behavior Data.* Poster presented at the College of Physicians, Philadelphia, PA.
9. Levine, B., Radin, S., Saba, M., Estrada, M., **Patterson, F.** (2014) *Oral Health Status among Residents of La Sagrada Familia Orphanage, Peru: A Pilot Study*. Poster presented at the American Dental Student Association, Anaheim, CA.
10. Hiserodt, E.J., Morrison, M., Cuesta, H., Daley, B., Satti, A., & **Patterson, F.** (2015). Sleep duration, adolescent mental health, and substance use among urban adolescents [Abstract].  College of Public Health, Temple University, Philadelphia, United States.
11. Zaslav, D., Cuesta, H., Hiserodt, E., Morrison, M., Satti, A., Kolman-Taddeo, D., **Patterson, F** (2015, April). Smoking cessation program attendance among pulmonary clinic patients: Implications for practice. Paper presented at the Temple University Research Forum, Philadelphia, PA.

**Current Research Support**

**Patterson (PI)** 01/01/2015 – 12/31/2015

Aditi (Co-PI), Department of Pulmonology, Temple University Hospital

**Funder**: College of Public Health, Dean’s Incentive Award

**Smoking Cessation Behaviors among Pulmonary Clinic Patients: A Mixed Methods Analysis**

In this mixed methods study, a quantitative chart extraction for 360 Temple University Pulmonary Clinic patients will be conducted to examine demographic, health status and smoking behavior predictors of attendance to the in-house smoking cessation clinic. Qualitative assessment of the barriers and facilitators for smoking cessation efforts will be examined through four focus groups (N=48) comprised of current Pulmonary Clinic patients.

**Patterson (Co-PI)** 01/01/2013 – 12/31/2014

Nair (PI), Department of Public Health, Temple University

**Funder**: American Heart Association

**Using Physical Activity to reduce Smoking cue reactivity among Low-Income Smokers Preparing to Quit Smoking**

The goal of this randomized controlled trial is to test the effect of an 8-week, low-moderate physical activity intervention as compared to an attention control condition on smoking cue reactivity in a sample of 70 low-income smokers. Data from this study are expected to show that participants randomized to the low-moderate physical activity condition will demonstrate lower urge reactivity on their target quit day (intervention week 4) and higher point prevalence smoking quit rates at 1-week and 1-month post quit.

**Patterson (Co-PI)** 09/1/2013 – 8/31/2015

Hanlon (Co-PI), School of Nursing, University of Pennsylvania

**Funder:** Robert Wood Johnson Foundation

**Effects of Chronotype on Sleep Duration and Body Composition Variables**

The purpose of this study is to examine whether chronotype moderates the relationship between sleep duration and obesity using a sample of 200,000 adults from the United Kingdom BioBank health surveillance study.

**Patterson (Co-PI)** 01/01/2014-12/31/2015

Avalos (PI), Congreso De Latinos Unidos

**Funder**: Barra Foundation

**Healthy Movimiento for Families**

The purpose of this study is to evaluate the efficacy of a novel, family-based physical activity and nutrition intervention on daily step count and fruit and vegetable consumption. The feasibility and impact of using the Nike Fit-bit in this context will be assessed.

**Patterson (PI)** 08/01/2013 – 07/31/2015

**Funder:** Centers for Disease Control

**Youth Risk Behavior Survey (YRBS), Philadelphia**

The YRBS evaluates youth risk health behaviors bi-annually in a sample of 9-12th grade students attending Philadelphia Public schools. In the alternating years, Principals and Lead Health teachers from District and Middle and High schools are surveyed about health related curriculum and policies.

**Patterson (Co-PI)** 06/01/2014 – 5/31/2015

**Funder:** Substance Abuse and Mental Health Services Administration

**Monitoring Substance Abuse among Pennsylvania Adolescents**

In partnership with the Bureau of Treatment, Prevention and Intervention , Temple University faculty (Drs. Frankel, Nelson and Patterson) are being subcontracted to conduct all evaluation related activities required for the PA Strategic Prevention Framework Partnership for Success. The main goals of this initiative are to reduce underage drinking among 12-20 year olds and reduce prescription drug misuse and abuse among 12-25 year olds in the five high-need PA counties of Blair, Bucks, Delaware, Lackawanna and Westmoreland.

**Pending Research Support**

**Patterson (Co-PI)** 01/01/2016 – 12/31/2018

Foster-Drain (PI), To Our Children's Future With Health,Inc

**Funder:** Department of Health and Human Services

**Obesity Prevention Initiative**

The goal of the proposed Obesity Prevention Initiative is to reduce the prevalence of cardiovascular diseases associated with obesity and health disparities among families living in West Philadelphia low­ income housing (LIH) by 2017. 2,100 women and their families living in 4 LIH sites will be targeted in this 3-year initiative. The American Heart Association’s “Heart Score” and enrollment in health insurance will serve as primary as primary outcome variables.

**Completed Research**

**Patterson (PI)** 03/01/2011 – 02-28/2013

**Funder**: Community Driven Research Initiative, Temple University.

**Evaluation of a Community Based Physical Activity Program**

The goal of this community based participatory research program is to test the feasibility and preliminary efficacy of a non-traditional form of physical activity, namely line dancing, on participant activity levels and blood pressure. Fifty participants will complete eight sessions of line dancing and nutrition education. Outcomes include participant retention and attendance, liking of line dancing, blood pressure and nutrition knowledge. This community trial is being conducted in partnership with the community organization, *Earth’s keepers*.

Lerman (PI)

**Patterson (Co-I)** 09/01/06 - 04/31/08

**Astra Zeneca**

Validation of a Novel Paradigm for Screening Medications for Nicotine Dependence

This study evaluates a human laboratory paradigm to screen medications for smoking cessation.

Lerman (PI) 03/01/08 - 08/31/10

**Patterson (Co-I)**

**GlaxoSmithKline**

Effects of Selective DRD3 Antagonist in Modulating Nicotine Reward

This Phase I, human laboratory study evaluates the effects of a novel DRD3 antagonist on the rewarding value of nicotine.

Role: Co-Investigator

Schnoll (PI) 09/01/08 - 08/31/09

**Patterson (Co-PI)**

**National Cancer Institute**

Message Priming and Enrollment in, and Response to a Smoking Cessation Program: A Pilot Study

This pilot study was part of the Cancer of Excellence in Cancer Communication Research funded through the Annenberg School for Communication. The goal of this study was to evaluate the effect of divergent recruitment messages on enrollment in a smoking cessation program.

Role: Co-Principal Investigator

**Honors and Awards**

2010-2011 McNair Scholarship Mentor

2012-2013 Teaching Excellence Award, Department of Public Health

February 2014 Research Presentation American Student Dental Association Award, Anaheim, CA. Mentor to Bari Levine DMD, MPH (candidate)

2013-2014 Outstanding Service Award, Department of Public Health (Co-awardee with Dr. Jennifer Fisher, Professor of Public Health)

**Professional Service**

***Ad-Hoc Reviewer*:**

2004 – Present Journal for Health Care for the Poor and Underserved

2005 – Present Public Health Reports

###### 2006 – Present Nicotine and Tobacco Research

2009 – Present Journal of Clinical and Consulting Psychology

2009- Present Swiss Medical Weekly

2011-Present Psychopharmacology

2013-Present Preventing Chronic Disease

2013-Present Social Science and Medicine

2015-Present Journal of Ethnicity and Disease

***University Service*:**

2010-Current Undergraduate Committee

2010-2013 MPH Committee

2011 Chairperson, Department of Public Health Merit Committee

2011 Member, Search Committee for Tenure Track Assistant Professor,

Department of Public Health, Temple University

2011-Current Pre-Health Evaluation Committee

2013 Member, Search Committee for TT Professor, Center for Obesity Education and Research (CORE), School of Medicine, Temple University

2013-2014 Co-Director, Social and Behavioral Sciences Division, Department of   
Public Health

2014 Reviewer, College of Health Professions and Social Work, Research Day

2014 Chair, College of Health Professions and Social Work, School of Public Health Working Group VI

2014 College of Public Health, Merit Committee

2014 –Current College of Public Health, Teaching Excellence Committee

**Current Scientific Memberships**

American Public Health Association

American Heart Association

Society for Research on Nicotine and Tobacco

Society for Behavioral Medicine

International Society for Physical Activity and Public Health

**Teaching**

Summer 2007 PH5101 Theoretical Foundations of Health Behavior

3 credits N=16

Summer 2009 PH5103 Epidemiology

3 credits N=18

Summer 2010 PH5101 Theoretical Foundations of Health Behavior

3 credits N=15

PH5508 Research Methods and Design

3 credits N=15

Fall 2010 PH1101 Introduction to Public Health

3 credits N=50

PH3596 Introduction to Community Health

3 credits, writing intensive class N=36

PH5101 Fundamentals of Public Health

3 credits, N=16

Spring 2011 PH1101 Introduction to Public Health

3 credits N=50

PH3596 Administration of Community Health Programs

3 credits, writing intensive class N=34

PH5101 Fundamentals of Public Health

3 credits, N=21

Summer 2011 PH5101 Theoretical Foundations of Health Behavior

3 credits N=14

PH1101 Introduction to Public Health

3 credits N=22

Fall 2011 PH1101 Introduction to Public Health

3 credits N=50

PH3596 Introduction to Community Health

3 credits, writing intensive class N=34

PH9289 MPH Research Project

3 credits, N=7

Spring 2012 PH1101 Introduction to Public Health

3 credits N=50

PH3596 Administration of Community Health Programs

3 credits, writing intensive class N=32

PH9289 MPH Research Project

3 credits, N=7

Summer 2012 PH5101 Fundamentals of Public Health

3 credits N=18

PH1101 Introduction to Public Health

3 credits N=14

Fall 2012 PH3496 Introduction to Community Health

3 credits, writing intensive class N=40 (two sections)

PH9279 MPH Research Project 3 credits, N=9

Spring 2013 PH3596 Administration of Community Health Programs

3 credits, writing intensive class N=40 (two sections)

PH9289 MPH Research Project

3 credits, N=9

Summer 2013 PH5101 Fundamentals of Public Health

3 credits N=12

PH1101 Introduction to Public Health

3 credits N=16

Fall 2013 PH3496 Introduction to Community Health

3 credits, writing intensive class N=30 (two sections)

PH9279 MPH Research Project

3 credits, N=13

Spring 2014 PH3596 Administration of Community Health Programs

3 credits, writing intensive class N=30 (two sections)

PH9289 MPH Research Project

3 credits, N=12

Fall 2014 PH3496 Introduction to Community Health

3 credits, writing intensive class N=38 (two sections)

PH9279 MPH Fieldwork

3 credits, N=8

Spring 2015 PH3596 Administration of Community Health Programs

3 credits, writing intensive class N=40 (two sections)

PH9289 MPH Research Project

3 credits, N=12

Fall 2015 BHAN490 Development of Health Promotion Programs

3 credits, N=112 (two sections)

**Advising**

*Recognition*

2011: Faculty mentor for Niya Mack BS (c), McNair Scholar National Conference, Meritorious Presentation

2012: Faculty Nominee and Mentor for Rita Smith BS (c), Temple University Dental Hygiene Alumni Club Scholarship

2012: Faculty mentor for Amber Lauf BS (c), Department of Public Health, Temple University Excellence in Undergraduate Grant Writing Award

2013: Faculty mentor for Casey Coleman, MPH (c), College of Physicians Notable Mention for Student Research

2014: Faculty mentor for Bari Levine, DDM, MPH (c), Research Presentation American Student Dental Association Award, Anaheim, CA.

*Undergraduate Research Advising*

2013: Andrea Echeverri, Cardiovascular Health in Adolescent Youth

Rayna Kratchman and Devon Collins, Correlates of Adherence to a Community Based Physical Activity Program

Daniel Masunungure, Changes in Perceived Stress following Physical Activity

*MPH Thesis Mentor*

2014: Ingrid Luna, Trends in Youth Violence among Philadelphia High School Students, 2003-2013

2013: Casey Coleman, Co-Occurrence of Risk Behaviors in Youth

Stephanie Carter, Feasibility and Efficacy of a Community Based Physical Activity Program

Janna Manjelievskaia, Evaluation of Adolescent Heart Health using the “Heart Score”

*Doctoral Student Committees*

2011 External Reader, Kathleen Sturgeon. Dissertation title: “*In Vivo* and *In Vitro* Interactions of Oxidative Stress and Laminar Shear Stress on Vascular Endothelial Growth Factor-Mediated Endothelial Nitric Oxide Synthase Activity”

2012 Committee Member, Clare M Lenhart. Dissertation title: “An Ecological Assessment of Gender Differences in Youth Physical Activity”

2013 Committee Member, Brandon Becker. Dissertation title: “The Relationship of Mindfulness and Positive Psychological Well-Being to Work Functioning among Early Childhood Education Staff”

2014 External Reader, Rachel Jones, Department of Communication Sciences. Dissertation title: “Without Words: the use of Image-based Instructional Video to Convey Health Information to Culturally Diverse Audiences”