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Virginia Institute for Psychiatric and Behavioral Genetics
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Education

- Virginia Commonwealth University- Richmond, VA** **May 2007**
PhD in Integrative Life Sciences, Genetic Epidemiology
Dissertation Title: Addressing Issues in the Detection of Gene-Environment Interaction through the Study of Conduct Disorder
Advisor: Dr. Lindon Eaves
- Virginia Commonwealth University/ Medical College of Virginia- Richmond, VA** **May 1999**
Master of Public Health
Thesis Title: The Incidence of Pediatric Cancer in Virginia, 1990-1996
Advisors: Dr. Tilahun Adera, Ms. Amy Pugh
- The College of William and Mary- Williamsburg, VA** **May 1997**
Bachelor of Science in Kinesiology

Awards

- Outstanding Departmental Teacher Award** **September 2011**
Department of Human and Molecular Genetics
Virginia Commonwealth University
- Excellence in Postdoctoral Research** **December 2010**
Virginia Institute for Psychiatric and Behavioral Genetics
- National Institute of Mental Health Pre-doctoral Fellowship in
Psychiatric and Statistical Genetics** **2004-2006**
- Travel Award, American Psychological Association** **October 2002**
Ninth Annual Conference on Behavior, Clinical Neuroscience, Substance Abuse and Culture
- First place, Research Paper and Presentation Competition** **August 1998**
"American Adolescents and HIV/AIDS: Current Status and Unmet Needs"
National Association of Health Services Executives, Washington, D.C. Chapter
- First place, Research Paper and Presentation Competition** **August 1997**
"Sexually Transmitted Diseases in Women Over 55"
National Association of Health Services Executives, Washington, D.C. Chapter

Work Experience

Virginia Institute for Psychiatric and Behavioral Genetics, VCU **December 2010- present**

Richmond, VA **Research Associate**

- Manage community-based datasets containing genetic and environmental risk factors related to smoking behaviors outcomes in the largest world-wide study of adolescent twins
- Coordinate data and analytical pipeline in twin studies of infant diffusion tensor imaging and adolescent smoking initiation
- Provide course lectures and tutor students and visiting scholars in statistical software use (SAS, R and OpenMx), data analytic approaches and genetic epidemiological concepts (ie: twin research, gene-environment interaction, molecular genetics, and epistasis)

Virginia Institute for Psychiatric and Behavioral Genetics, VCU **July 2007-November 2010**

Richmond, VA **Postdoctoral Fellow**

- Analyze community-based twin and family samples for genetic and environmental contributions on diurnal cortisol, testosterone, dehydroepiandrosterone sulfate (DHEAS) levels, MRI-measured brain structures, body mass index, smoking, and blood pressure
- Organize local and cross-location data analysis meetings of a multi-site study
- Manage community-based datasets containing genetic and environmental risk factors related to psychiatric outcomes in a community-based sample of adolescent twins
- Develop protocol for collection of medical and psychosocial risk factors and vaginal samples for use in a study of the human vaginal microbiome
- Coordinate data and analytical pipeline a twin study of the human vaginal microbiome

Life Sciences 101

Biology Department, Virginia Commonwealth University

2005-2006

Richmond, VA **Teaching Assistant**

- Instructed and guided weekly undergraduate recitation for Life Sciences 101 including class discussions and coursework

Virginia Institute for Psychiatric and Behavioral Genetics, VCU

2000-2004

Richmond, VA **Research Assistant**

- Developed and analyzed a behavioral study of psychological dysregulation, drug use, family influences, and peer influences in adolescents from Panama and Costa Rica
- Performed analyses of twin data to determine genetic and environmental contributions for temperament
- Managed community-based samples of cross-sectional and longitudinal databases containing twin and parental data
- Supervised graduate students and visiting faculty with database, statistical and conceptual issues surrounding specified research topics
- Genotyped DNA for candidate genes of interest

United States Bureau of Commerce

Summer 2000

Richmond, VA **Enumerator**

- Performed household interviews to provide information for the United States census
- Coordinated and translated interviews in Spanish-speaking households

Division of STD/AIDS, Virginia Department of Health

1998-1999

Richmond, VA **Hotline Counselor**

- Educated callers on issues related to sexually transmitted diseases
- Developed evaluation tools for division-level programs and projects
- Evaluated grants and advised grant applicants for community-based HIV/AIDS prevention programs

Foundations of Clinical Medicine

School of Medicine, Virginia Commonwealth University

1998-1999

Richmond, VA *Teaching Assistant*

- Advised first year medical students in patient interviewing skills
- Evaluated quality of student skills and offered techniques for improvement

HIV/AIDS Bureau, Department of Health and Human Services

Summer 1998

Rockville, MD *Research Assistant*

- Researched and presented paper on systems barriers to American adolescents seeking HIV/AIDS care
- Organized Ryan White Title III grant evaluations
- Organized and executed stakeholder meetings with program officers

Bureau of Primary Health Care-HIV Primary Programs Branch

Summer 1997

Department of Health and Human Services

Bethesda, MD *Research Assistant*

- Researched and presented work on sexually transmitted diseases in women over 55
- Assisted in grant evaluations for HIV clinics and programs across the United States

Department of Labor and Delivery, Washington Hospital Center

1996-1997

Washington, D.C. *Research Assistant*

- Drafted and presented proposal in order to study effects of mycoplasma and ureaplasma on preterm labor
- Collected and analyzed data in a clinical setting including medical history, pap smear samples, and bacterial slides

Publications

Published, Accepted for Publication or In Print

Panizzon MS, Hauger R, Jacobson KC, Eaves LJ, York TP, **Prom-Wormley E**, Grant MD, Lyons MJ, McKenzie R, Mendoza SP, Xian H, Franz CE, Kremen WS. Genetic and environmental influences of daily and intra-individual variation in testosterone levels in middle-aged men.

Psychoneuroendocrinology. 2013 Apr 29. doi:pii: S0306-4530(13)00120-0.

10.1016/j.psyneuen.2013.04.003. [Epub ahead of print] PMID: 23639251

Geng X, **Prom-Wormley EC**, Perez J, Kubarych T, Styner M, Lin W, Neale MC, Gilmore JH. White Matter Heritability using Diffusion Tensor Imaging in Neonatal Brains. Twin Research. 2012 Jun;15(3):336-50. PMID: 22856369 PMCID: PMC3549568

Eyler LT, Chen CH, Panizzon MS, Fennema-Notestine C, Neale MC, Jak A, Jernigan TL, Fischl B, Franz CE, Lyons MJ, Grant M, **Prom-Wormley E**, Seidman LJ, Tsuang MT, Fiecas MJ, Dale AM, Kremen WS. A comparison of heritability maps of cortical surface area and thickness and the influence of adjustment for whole brain measures: a magnetic resonance imaging twin study. Twin Res Hum Genet. 2012 Jun;15(3):304-14. PMID: 22856366, PMCID: PMC3549553

Panizzon MS, Fennema-Notestine C, Kubarych TS, Chen CH, Eyler LT, Fischl B, Franz CE, Grant MD, Hamza S, Jak A, Jernigan TL, Lyons MJ, Neale MC, **Prom-Wormley EC**, Seidman L, Tsuang MT, Wu H, Xian H, Dale AM, Kremen WS. Genetic and environmental influences of white and gray matter signal contrast: A new phenotype for imaging genetics? Neuroimage. 2012 Apr 15;60(3):1686-95. Epub 2012 Feb 8. PMID: 22500923

Kubarych TS, **Prom-Wormley EC**, Franz CE, Panizzon MS, Dale AM, Fischl B, Eyler LT, Fennema-Notestine C, Grant MD, Hauger RL, Hellhammer DH, Jak AJ, Jernigan TL, Lupien SJ, Lyons MJ, Mendoza SP, Neale MC, Seidman LJ, Tsuang MT, Kremen WS. A Multivariate Twin Study of Hippocampal Volume, Self-Esteem and Well-Being in Middle Aged Men. Genes Brain Behav. 2012 Apr 3. [Epub ahead of print] PMID: 22471516

- Panizzon MS, Hauger RL, Eaves LJ, Chen CH, Dale AM, Eyer LT, Fischl B, Fennema-Notestine C, Franz CE, Grant MD, Jacobson KC, Jak AJ, Lyons MJ, Mendoza SP, Neale MC, **Prom-Wormley E**, Seidman LJ, Tsuang MT, Xian H, Kremen WS. Genetic influences on hippocampal volume differ as a function of testosterone level in middle-aged men. *Neuroimage*. 2012 Jan 16;59(2):1123-31. PMID: 21983185
- Prom-Wormley EC**, York TP, Jacobson KC, Eaves LJ, Eisen SA, Hellhammer D, Levine S, Lupien S, Lyons MJ, Mendoza S, Xian H, Maninger NM, Franz CE, Kremen WS. Genetic and Environmental Effects on Diurnal Dehydroepiandrosterone Sulfate Levels in Middle-Aged Men. *Psychoneuroendocrinology*. *Psychoneuroendocrinology*. 2011 May 11. PMID: 21570195
- Doane LD, Franz CE, **Prom-Wormley E**, Eaves LJ, Mendoza SP, Hellhammer DH, Lupien S, Xian H, Lyons MJ, Kremen W, Jacobson KC. Negative emotionality, depressive symptoms and cortisol diurnal rhythms: Analysis of a community sample of middle-aged males. *Hormones and Behavior*. 2011 Jul;60(2):202-9. PMID: 21619882
- Eyer LT, **Prom-Wormley E**, Panizzon MS, Kaup AR, Fennema-Notestine C, Neale MC, Jernigan TL, Fischl B, Franz CE, Lyons MJ, Grant M, Stevens A, Pacheco J, Perry ME, Schmitt JE, Seidman LJ, Thermenos HW, Tsuang MT, Chen CH, Thompson WK, Jak A, Dale AM, Kremen WS. Genetic and environmental contributions to regional cortical surface area in humans: a magnetic resonance imaging twin study. *Cereb Cortex*. 2011 Oct;21(10):2313-21. PMID:21378112
- Panizzon MS, Hauger R, Dale AM, Eaves LJ, Eyer LT, Fischl B, Fennema-Notestine C, Franz CE, Grant MD, Jak AJ, Jacobson KC, Lyons MJ, Mendoza SP, Neale MC, **Prom-Wormley EC**, Seidman LJ, Tsuang MT, Xian H, Kremen WS. Testosterone modifies the effect of *APOE* genotype on hippocampal volume in middle-aged men. *H Neurology*. 2010 Sep 7;75(10):874-80. PMID: 20819998
- Eyer LT, **Prom-Wormley E**, Fennema-Notestine C, Panizzon MS, Neale MC, Jernigan TL, Fischl B, Franz CE, Lyons MJ, Stevens A, Pacheco J, Perry ME, Schmitt JE, Spitzer NC, Seidman LJ, Thermenos HW, Tsuang MT, Dale AM, Kremen WS. Genetic patterns of correlation among subcortical volumes in humans: Results from a magnetic resonance imaging twin study. *Hum Brain Mapp*. 2011 Apr;32(4):641-53. PMID: 2057220
- Kremen WS, Panizzon MS, Neale MC, Fennema-Notestine C, **Prom-Wormley E**, Eyer LT, Stevens A, Franz CE, Lyons MJ, Grant MD, Jak AJ, Jernigan TL, Xian H, Fischl B, Thermenos HW, Seidman LJ, Tsuang MT, Dale AM. Heritability of brain ventricle volume: Converging evidence from inconsistent results. *Neurobiol Aging*. 2012 Jan;33(1):1-8. PMID: 20363053
- Kremen WS, O'Brien RC, Panizzon MS, **Prom-Wormley E**, Eaves LJ, Eisen SA, Eyer LT, Hauger RL, Fennema-Notestine C, Fischl B, Grant MD, Hellhammer DH, Jak AJ, Jacobson KC, Jernigan TL, Lupien SJ, Lyons MJ, Mendoza SP, Neale MC, Seidman LJ, Thermenos HW, Tsuang MT, Dale AM, Franz CE. Salivary cortisol and prefrontal cortical thickness in middle-aged men: A twin study. *Neuroimage*. 2010 Nov 15;53(3):1093-102. PMID: 20156572
- Wallace GL/ Raitano Lee N, **Prom-Wormley EC**, Medland SE, Lenroot RK, Clasen LS, Schmitt JE, Neale MC, Giedd JN. A multivariate twin study of the genetic and environmental influences on regional brain volume and verbal and nonverbal intellectual skills during childhood and young adulthood. *Behav Genet*. 2010 Mar;40(2):125-34.
- Eaves LJ, **Prom EC**, Silberg JL. The Mediating Effect of Parental Neglect on Adolescent and Young Adult Anti-Sociality: A Longitudinal Study of Twins and Their Parents. *Behav Genet*. 2010 Feb 25.
- Kremen WS, **Prom-Wormley EC**, Panizzon MS, Schmitt JE, Eyer LT, Lyons MJ, Franz CE, Grant MD, Fischl B, Seidman LJ, Tsuang MT, Eisen SA, Dale AM, Fennema-Notestine C. Genetic and Environmental Influences on the Size of Specific Brain Regions in Midlife: The VETSA MRI Study. *Neuroimage*. 2010 Jan 15;49(2):1213-23. Erratum in: *Neuroimage*. 2010 Feb 15;49(4):3499-3502. PMID:19786105
- Panizzon MS, Fennema-Notestine C, Eyer L, Jernigan T, **Prom-Wormley EC**, Neale M, Jacobson K, Lyons M, Grant M, Franz C, Xian H, Tsuang M, Fischl B, Seidman L, Dale A, Kremen W. Distinct Genetic Influences on Cortical Surface Area and Cortical Thickness. *Cereb Cortex*. *Cereb Cortex*. 2009 Nov;19(11):2728-35. PMID:19299253

Doane LD, Kremen WS, Eaves LJ, Eisen SA, Hauger R, Hellhammer D, Levine S, Lupien S, Lyons MJ, Mendoza S, **Prom-Wormley EC**, Xian H, York TP, Franz CE, Jacobson KC. Associations between Jet Lag and Cortisol Diurnal Rhythms the Day after Short Distance Travel in Middle-Aged Men. *Health Psychol.* 2010 Mar;29(2):117-23.

Franz CE, York TP, Eaves LJ, Eisen SA, Hauger R, Hellhammer D, Jacobson KC, Levine S, Lupien S, Lyons MJ, Mendoza S, **Prom-Wormley E**, Xian H, Kremen WS. Genetic and environmental contributions to basal levels and responsivity of salivary cortisol in middle-aged men. *Behav Genet.* 2010 Jul;40(4):467-79.

Prom-Wormley EC, Eaves LJ, Foley DL, Gardner CO, Archer KJ, Wormley BK, Maes HHM, Riley BP, Silberg, JL. Monoamine Oxidase-A and Childhood Adversity as Risk Factors for Conduct Disorder in Females. 2009 Apr;39(4):579-90.

Schmitt JE, Lenroot RK, Ordaz SE, Wallace GL, Lerch JP, Evans AC, **Prom EC**, Kendler KS, Neale MC, Giedd JN. Variance decomposition of MRI-based covariance maps using genetically informative samples and structural equation modeling. *Neuroimage.* 2009 Aug 1;47(1):56-64 .

Eaves LJ, Hatemi PK, **Prom-Wormley EC**, Murrelle EL. Family Matters: Social Influences exceed genetic effects on adolescent religious attitudes and practices. *Social Forces - Volume 86, Number 4, June 2008*, pp. 1621-1646.

Silberg JL, Miguel VF, Murrelle EL, **Prom E**, Bates, JE, Canino G, Egger H, Eaves LJ: Genetic and environmental influences on temperament in the first year of life: the Puerto Rico Infant Twin Study (PRINTS). *Twin Research and Human Genetics: The Official Journal of the International Society for Twin Research* (2005). August 8(4): 328-338.

Kliewer W, Murrelle L, **Prom E**, Ramirez M, Obando P, Sandi L, Warner E, Karenkeris M: Violence exposure and drug use in Central American youth: family competence and parental monitoring as protective factors. *Journal of Research on Adolescence* (2006). 16(3): 455-478.

Submitted

Jak AJ, **Prom-Wormley EC**, Kubarych TS, Pannizon MS, Eyler L, Dale A, Kremen, W. Genetic Contributions to Body Mass and Brain Volume.

Prom-Wormley EC, Schmitt JE, Maes HHM, Panizzon MS, Xian H, Eyler LT, Franz CE, ME Lyons, Grant MD, Fischl B, Seidman LJ, Tsuang MT, Dale AM, Fennema-Notestine C, Kremen WS, Neale MC. Genetic and Environmental Contributions to the Relationships between Brain Structure and Cigarette Use.

In Preparation

Prom-Wormley EC, Silberg JL, Maes HHM, Wormley BK, Riley BP, Eaves LJ. Detecting Genotype-Environment Interaction in Conduct Disorder Using a Markov Chain Monte Carlo Approach to Item Response Theory Modeling of Multi-Symptom Genetic Data. In preparation.

Prom-Wormley EC, Franz C, Mendoza S, York T, Eaves L, Eisen S, Jacobson K, Levine S, Lupien S, Lyons M, Kremen W. Diurnal Regulation and Responsivity of Cortisol Levels: Evidence for Different Genetic Factors. In preparation.

Non-Peer Reviewed Publications

Prom-Wormley, EC, Maes H.M. and Scheier, LM. *Parental Influence on Adolescent Drug Use*. in LM Scheier and WB Hansen (eds.) *Parenting and Teen Drug Use*, Oxford Press, In Print.

Poster Presentations

Prom E, Eaves L, Riley B, Foley D, Wormley BK, Silberg J: The roles of monoamine oxidase-A and childhood adversity as risk factors for conduct disorder in females. *35th Annual Meeting of the Behavioral Genetics Association*, Los Angeles, CA, June 29-July 1, 2005

Prom E, Murrelle L, Sullivan T, Gardner, Warner E, Obando P, Sandi L, Ramirez M: Peer drug use as a mediator of the association between gang membership and adolescent drug use: a study of Central American students. *9th Annual Conference on Behavior, Clinical Neuroscience, Substance Abuse and Culture*, Los Angeles, CA, October 23-25, 2002

Murrelle L, **Prom E**, Aggen S, Warner E, Sieire M, Ramirez M, Mezzich A: Psychological dysregulation and drug involvement among Panamanian youths. *63rd Annual Scientific Meeting of the College of Problems of Drug Dependence*, Scottsdale, AZ, June 16-21, 2001

Murrelle L, **Prom E**, Svikis D, Kliewer W, Mejía R, Yolanda T, Maya J: Drug abuse, violence and antisocial behaviors among Colombian adolescents. *63rd Annual Scientific Meeting of the College of Problems of Drug Dependence*, Scottsdale, AZ, June 16-21, 2001

Prom E, Adera T, Pugh A: Incidence of Pediatric Cancer in Virginia during 1990-1996. *Virginia Public Health Association Annual Meeting*, Virginia Beach, VA, September 15-16, 1999

Prom E, Adams E, Lago M: American Adolescents and HIV/AIDS: Current Status and Unmet Needs. *Virginia Public Health Association Annual Meeting*, Richmond, VA, September 18-19, 1998

Presentations

Prom-Wormley EC, Eaves LJ, Neale MC, Kendler KS, Silberg JL, Dick D, Miles D, Murrelle EL, Rhee S, Corley R, Hewitt J, Young S, McGue M, Iacono B, Legrand L, Samek D, Thomis M, Beunen GP, Boomsma D, Bartels M, Vink J, Kaprio J, Rose R, Lichtenstein P, White V, Martin NG, Maes HM. The Genetic and Environmental Contributions Involved in Cigarette Smoking Across Late Adolescent and Young Adult Development. *43rd Annual Conference of the Behavioral Genetics Association*, Marseille, France, June 27-July 2, 2013

Prom-Wormley EC, Peterson R, Eaves LJ, Silberg JL, Maes HM, Depressive Symptoms and Lifetime Cigarette Use During Adolescence. *42nd Annual Conference of the Behavioral Genetics Association*, Edinburgh, Scotland, June 22-25, 2012.

Prom-Wormley E, Eaves LJ, Neale MC, Kendler KS, Silberg JL, Dick D, Miles D, Murrelle EL, Rhee S, Corley R, Hewitt J, Young S, McGue M, Iacono B, Legrand L, Samek D, Thomis M, Beunen GP, Boomsma D, Bartels M, Vink J, Kaprio J, Rose R, Lichtenstein P, White V, Martin NG, Maes HM. Addressing Gender Differences in the Genetic and Environmental Contributions to Smoking Across Adolescent Development. *33rd Annual Conference of the Society for Behavioral Medicine*. New Orleans, LA, April 11-14, 2012.

Prom-Wormley E, Schmitt JE, Maes HHM, Panizzon MS, Franz C, Kremen WS, Neale MC. Genetic and Environmental Contributions to the Relationship between Brain Structure and Cigarette Use. *41st Annual Conference of the Behavioral Genetics Association*, Newport, RI, June 6-9, 2011.

Prom-Wormley E, Franz C, Mendoza S, Doane L, Jacobson K, Panizzon M, Lyons M, Kremen W, Eaves L. Genetic and Environmental Influences of Daily DHEAS and Cortisol Levels: Evidence for Environmental Influences. *40th Annual Conference of the International Society for Psychoneuroendocrinology*, San Francisco, CA, July 23-26, 2009.

Panizzon MS, Hauger R, Eaves L, Dale A, Franz C, Jacobson K, Eisen S, Xian H, Fennema-Notestine C, Grant MD, Lupien S, Hellhammer D, Lyons M, Mendoza S, Neale M, **Prom-Wormley E**, Kremen W. Moderating Effects of Testosterone on the Genetic and Environmental Components of Hippocampal Volume. *39th Annual Conference of the Behavioral Genetics Association*, Minneapolis, MN, June 17-20, 2009.

Prom-Wormley E, Franz C, Mendoza S, York T, Eaves L, Eisen S, Jacobson K, Levine S, Lupien S, Lyons M, Kremen W. Diurnal Regulation and Responsivity of Cortisol Levels: Evidence for Different Genetic Factors. *39th Annual Conference of the International Society for Psychoneuroendocrinology*, Dresden, Germany, July 17-20, 2008.

Prom-Wormley E, Franz C, Mendoza S, York T, Eaves L, Eisen S, Jacobson K, Levine S, Lupien S, Lyons M, Kremen W. Genetic and Environmental Effects on Diurnal Regulation and Responsivity of Cortisol Levels. *38th Annual Conference of the Behavioral Genetics Association*, Louisville, KY, June 26-28, 2008.

Invited Lectures

March 11, 2012- Virginia Commonwealth University, Richmond, VA

Human Genetics 619, Behavioral Genetics, Judy Silberg Course Director

Lecture Title: The Detection of Gene-Environment Interaction in Psychiatric Disorders

December 17, 2009- Johns Hopkins University, Baltimore, MD

Department of Mental Health Seminar Series, William Eaton and Peter Zandi, Coordinators

Lecture Title: Use of Biological Markers in Genetic Studies of Mental Health: Identifying Challenges and Research Potential

October 9, 2008- Virginia Commonwealth University, Richmond, VA

Human Genetics 620, Behavioral Genetics, Judy Silberg Course Director

Lecture Title: The Detection of Gene-Environment Interaction: History, Study Designs and Analytical Issues

July 26, 2006- International Society for Research on Aggression, Minneapolis, MN

Symposium on the Comparative Genetics of Aggression: Focus on *MAOA* and the Serotonin System

Lecture Title: Gender Differences in the Interaction of *MAOA* and Childhood Adversity as Risk Factors for Conduct Disorder

February 21, 2006- Virginia Commonwealth University, Richmond, VA

Humanities and Sciences 291, Community Solutions Through Life and Social Sciences, Aleta Meyer

Course Director, Lecture Title: *MAOA* and childhood adversity as risk factors for conduct disorder and their applicability toward community prevention and education

Teaching Experience

Spring 2013- Virginia Commonwealth University, HGEN 619- *Quantitative Genetics*, Instructor. Provided lectures and practical exercises on basic biometrical genetics, univariate genetic analysis, including heterogeneity.

Fall 2012- Virginia Commonwealth University, HGEN 603- *Mathematical and Statistical Genetics*, Instructor. Provided practical exercises on univariate genetic analysis, including heterogeneity.

September 24-28, 2012-Virginia Commonwealth University. *Advanced Genetic Epidemiology and Statistical Genetics Workshop*, Faculty Teaching Assistant.

Spring 2012- Virginia Commonwealth University, HGEN 691- *Statistics for Genetic Studies in R*, Instructor. Provided lectures on Graphical Visualization in R

March 3-9, 2012- University of Colorado, Boulder. *The International Workshop on Statistical Genetics and Methodology of Twin and Family Studies: The Introductory Course*, Faculty. Provided lectures on Univariate and Multivariate Twin Modeling.

Fall 2011/2012- Virginia Commonwealth University, HGEN 691- *Introduction to Statistical Programming in R*, Instructor. Provided lectures on Data Management and Graphical Visualization in R

Spring 2011- Virginia Commonwealth University, HGEN 691- *Statistical Computing in R*, Instructor.

Provided lectures on (1) Multivariate Visualization in R, (2) Markov Chain Monte Carlo Methods in Inference and (3) Bootstrap and Jackknife Estimators

August 1-5, 2010- Virginia Commonwealth University, *Workshop on Twin and Family Methodology for Studies of Political Behaviors*, Teaching Assistant.

Grant Review Activities

Ontario Mental Health Foundation, Ad Hoc External Reviewer- November 2008

University/Departmental Activities

Member, Virginia Commonwealth University Postdoctoral Advisory Committee- April 2009- June 2010
Member, Genomics Forum, American Public Health Association (APHA)- October 2008-present
Contributor, Gene-Environment Interaction Workgroup, Genomics Forum, APHA, January 2009-present

Referee (Journals)

Journal of Personality and Individual Differences
Journal of Personality
Genes, Brain and Behavior
Behavior Genetics
Social Neuroscience
Frontiers in Genetics

Professional Affiliations

Behavioral Genetics Association (BGA)
International Society for Psychoneuroendocrinology (ISPNE)
American Public Health Association (APHA)

Skills

Statistical Packages: R, SAS, OpenMx, Mx, SPSS

Foreign Language: Spanish (fluent)

Bioinformatics: Ingenuity Pathway Analysis, BLAST, FASTA, UCSC

Teaching: Blackboard

Community Service

Research Mentor to Ms. Audrey Kriva, *Peer and Family Influences on the Comorbidity of Adolescent Cigarette and Alcohol Use*, Maggie Walker Governor's School for Government and International Studies, Summer 2012 - present

Chair, Evaluation and Assessment Working Group, Richmond Seventh District Health and Wellness Initiative, Summer 2012 - present

Young Epidemiology Scholars Research Mentor to Ms. Mary Sun, Thomas Jefferson High School for Science and Technology, *Assessing the Role of Alcohol Use to Address Gender Differences in Adolescent Depression* (National YES Finalist), Summer 2010-Spring 2011

Coordinator, East End Childhood Wellness Workshop, March 9, 2013

Coordinator, Northside WE CARE Community Health and Fitness Fair, August 21, 2012

Speaker, Girls in Engineering, Mathematics and Science (GEMS) Summer Program, Bentley Elementary School. Summer 2009-Present