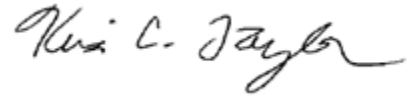


# Kira C. Taylor

## Curriculum Vitae

Date: 7/11/2016

Signature:



### I. CONTACT INFORMATION

485 E Gray St  
Louisville, KY 40202  
Mobile phone: (502) 475-0462  
Office phone: (502) 852-4063  
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### II. EDUCATION

B.A., Biology Rice University Houston, TX, USA	1993-1997
M.S., Biological Sciences Stanford University Stanford, CA, USA Area of specialization: Molecular Genetics	1997-1999
M.A.Ed., Secondary Science Education Wake Forest University Winston-Salem, NC, USA	1999-2000
Ph.D., Epidemiology Emory University Atlanta, GA, USA Chair: Michele Marcus, Ph.D., Professor of Epidemiology Dissertation: "Genetic and Environmental Influences on Reproductive Characteristics"	2004-2009
Postdoctoral Fellowship, Epidemiology The University of North Carolina at Chapel Hill Chapel Hill, NC, USA Department of Epidemiology Advisor: Kari E. North, Ph.D., Professor of Epidemiology Area of research focus: Genetic Epidemiology	2009-2011

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## III. PROFESSIONAL EXPERIENCE AND EMPLOYMENT

Teaching Assistant Department of Human Genetics, Department of Biological Sciences Stanford University	1998-1999
Chemistry and Honors Biology Teacher The Westminster Schools, Atlanta, GA (High School)	2000-2002
Biology and Environmental Science Teacher TASIS-The American School in England (High School)	2002-2004
Teaching Assistant Department of Epidemiology Emory University	2005-2008
Assistant Professor of Epidemiology Department of Epidemiology and Population Health University of Louisville School of Public Health and Information Sciences	2011-present

## IV. HONORS, AWARDS and FELLOWSHIPS

Magna Cum Laude, Rice University graduation honors	1997
National Science Foundation Predoctoral Fellowship	1997-1999
Woodrow Wilson Teaching Fellow	2002
Summer Research Fellow National Institutes of Child Health and Development	2005
Woodruff Fellow, Emory University	2004-2009
Environmental Protection Agency STAR Fellow Project: Polybrominated Biphenyl Exposure and Reproductive Hormone Levels	2007-2009
National Research Service Award Postdoctoral fellowship, University of North Carolina at Chapel Hill Department of Epidemiology, Cardiovascular Epidemiology Program	2009-2011
University of Louisville Faculty Favorite Nomination	2013-2014, 2015-2016

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## V. PROFESSIONAL ASSOCIATIONS

American College of Epidemiology (ACE) - Current  
Journal: *Annals of Epidemiology*

Society for Pediatric and Perinatal Epidemiologic Research (SPER) - Current  
Journal: *Paediatric and Perinatal Epidemiology*

American Society of Human Genetics (ASHG) - Current  
Journal: *American Journal of Human Genetics (AJHG)*

American Heart Association (AHA) - Past  
Journal: *Journal of the American Heart Association (JAHA)*

Society for Epidemiologic Research (SER) - Past  
Journals: *American Journal of Epidemiology, Epidemiologic Reviews*

The Obesity Society (TOS) - Past  
Journal: *Obesity*

## VI. TEACHING AND MENTORING ACTIVITIES

### A. Teaching Activities Prior to Employment at the University of Louisville

Teaching Assistant, Stanford University Biology III (Human Anatomy and Physiology) Advanced Genetics	1998-1999
Chemistry and Honors Biology Teacher, The Westminster Schools, Atlanta, GA	2000-2002
Biology and AP Environmental Science Teacher, The American School in England	2002-2004
Teaching Assistant, Emory University Epidemiologic Methods I Epidemiology Methods II Modeling SAS Programming	2005-2008
Co-Instructor, Emory University Analytical Methods for Clinical and Translational Research Statistical Theory for Epidemiologists (with Dr. Mitch Klein)	2008, 2009
Co- Instructor, Erasmus University Summer Programme, The Netherlands Survival Analysis 1-week Summer Course	2008, 2009
Short Course Developer and Instructor, UNC-Chapel Hill Genetic Association Analysis Tools	2011

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## B. Teaching Activities at the University of Louisville (fall 2011-present), by semester

Classroom lecture courses are underlined. The first time a course appears, I describe my role.

### Spring 2012

1. Genetic and Molecular Epidemiology (PHEP 606) (3 hours) - *Course director and instructor. Substantially revised course.*
2. Thesis research (PHEP 666)
3. Readings and Research in Epidemiology (PHEP 778)

### Fall 2012

1. Statistical Foundations for Epidemiology (then PHEP 650) (4 hours) - *Course developer, director and instructor.*
2. Thesis Research (PHEP 666) (2 students)
3. Readings and Research in Epidemiology (PHEP 778)

### Spring 2013

1. Epidemiology of Maternal/Child Health (PHEP 615) (3 hours) - *Course director and co-instructor. Substantially revised course.*

### Fall 2013

1. Statistical Foundations for Epidemiology (PHEP 621) (4 hours)
2. Thesis Research (PHEP 666) (2 students)

### Spring 2014

1. Genetic and Molecular Epidemiology (PHEP 606) (3 hours)
2. Thesis Research (PHEP 666) (2 students)
3. Readings and Research in Epidemiology (PHEP 778)

### Fall 2014

1. Epidemiology of Maternal/Child Health (PHEP 615) (3 hours) - *Co-instructor (30% of lectures).*

### Spring 2015

1. Epidemiology for Public Health (PHUN 441) (3 hours) - *Course developer, director and instructor.*
2. Genetic and Molecular Epidemiology (PHEP 606) (3 hours)  
Course director and instructor.

### Summer 2015

1. Readings and Research in Epidemiology (PHEP 778)
2. MPH Practicum Advisor (PHEP 679) (4 students)

### Fall 2015

1. Statistical Foundations for Epidemiology (PHEP 621) (4 hours)
2. MPH Practicum Advisor (PHEP 679) (4 students)
3. Readings and Research in Epidemiology (PHEP 778)

# Kira C. Taylor

## Spring 2016

1. Epidemiology for Public Health (PHUN 441) (3 hours)
2. Epidemiology of Cardiovascular and Chronic Diseases (PHEP 609) (2 hours) - *Course director and instructor. Substantially revised course.*
3. MPH Practicum Advisor (PHEP 679) (4 students)
4. Readings and Research in Epidemiology (PHEP 778)

## Summer 2016

1. Readings and Research in Epidemiology (PHEP 778) (2 students)
2. Thesis Research (PHEP 666)
3. MPH Practicum Advisor (PHEP 679) (2 students)

Total number of courses taught, including MPH practicum students: 40  
Total number of courses taught, excluding MPH practicum students: 26  
Total number of classroom courses taught: 10.3

## C. Mentoring

### 1. Students for whom I serve(d) as Advisor and Committee Chair

#### a. Epidemiology M.S. Program

Jersy Napoleon, M.S., 2012

Thesis: "Genetic variation in the renin-angiotensin system: associations with blood pressure dipping in the Jackson Heart Study."

Nwakile Ojike, M.S., 2013

Thesis: "Motorcycle user habits and trauma outcomes."

Ximena Oyarzun Gonzales, Pharm. D., M.S., 2014

Thesis: "Prescription medication and cognitive decline in the aging process study."

Sekufe Akhter, M.S., 2014

Thesis: "Preconception stress and fecundability in the Mount Sinai Study of Women Office Workers."

Emily Steinmetz, current student; M.S. expected 2017

Proposed Thesis: "Associations of tea, cola, and coffee with pregnancy-related outcomes in the Mount Sinai Study of Women Office Workers."

#### b. Clinical Investigation Sciences (M.Sc.) Graduate Program

Dr. Robert Hunter, M.D., F.A.C.O.G., M.Sc., 2014

Manuscript: "Prognostic value of endometrial thickness on pregnancy outcomes of subgroups of infertile women undergoing ovulation induction/intrauterine insemination therapy."

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## 2. Students for whom I serve(d) as a Committee Member

### a. Epidemiology Ph.D. Program

Macarius Donneyong, Ph.D., 2013

Dissertation: "Combined Calcium and Vitamin D Supplementation among Postmenopausal Women: Effect on Risk of Hospitalized Heart Failure in the Women's Health Initiative (WHI) Study."

Peter Ahiawodzi, Ph.D., 2014

Dissertation: "Markers and Mechanisms of Metabolic Aging."

Farah Ammous, current student; Ph.D. expected, 2018

Proposed dissertation: "Linkage analysis to identify novel loci related to aging and breast cancer in a large pedigree."

Clara Sears, current student; Ph.D. expected, 2018

Proposed dissertation: "The relationship between exposure to heavy metals found in fly ash and Attention-Deficit/Hyperactivity Disorder (ADHD) in children living near two coal ash storage sites."

### b. Epidemiology M.S. Program

Suparna Navala, MPH; M.S. expected, 2016

Thesis: "An Exploratory Study of Individuals with Impaired Glucose Tolerance in Rural and Urban Bangladesh."

### c. Clinical Investigation Sciences (M.Sc.) Graduate Program

Dr. Ali Azadi, M.D., M.Sc., 2012

Manuscript: "The effect of body mass index (BMI) in perioperative outcomes in patients undergoing robotic assisted sacrocolpopexy for pelvic organ prolapse."

Dr. Crystal Clark, M.D., M.Sc., 2012

Manuscript: "Lamotrigine Dosing for Patients with Bipolar Disorder"

Dr. Lori Devlin, DO MHA, FAAP; M.Sc. expected August 2016.

Manuscript: "Comparing the Impact of Two Standardized Treatment Protocols for Neonatal Abstinence Syndrome on the Length of Treatment and Length of Hospital Stay."

## 3. Other Research Mentoring Activities

Research Mentor for Sachiko Yoneyama, Ph.D. student in Epidemiology at UNC-Chapel Hill, 2011-2014.

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## D. Guest Lectures

Epidemiology, Morehouse School of Medicine Public Health Summer Fellows Program, 2008.  
Lecturer. (6 lectures)

Genetic Epidemiology, University of North Carolina at Chapel Hill, 2010, 2011  
Guest lecturer (1 lecture)

Guest lecturer, University of Louisville, fall 2011.  
Epidemiologic Methods II (2 lectures)  
Cardiovascular Disease Epidemiology (1 lecture)

Introduction to Biostatistics: Special Topics in Pharmacology & Toxicology with Emphasis on  
Statistics (PHTX 618). “Introduction to Statistical Methods”, (4 lectures), summer 2012

Population Pathology (PHEP 622) guest lecture, “Introduction to Reproductive Epidemiology”,  
spring 2014 and summer 2014.

## E. Professional Workshops

“Introduction to Genetic Association Analysis: Theory and Practice”, American College of  
Epidemiology (ACE) Annual Meeting Workshop, October 2013

## F. Lectures on Pedagogy for Faculty Development

“What You Can Do to Help Your Students Learn the Content.” School of Public Health and  
Information Sciences, University of Louisville Teaching and Learning Workshop Series,  
January 25, 2013

“Motivating Students.” School of Public Health and Information Sciences, University of  
Louisville Teaching and Learning Workshop Series, May 31, 2013 (with Dr. Richard  
Wilson)

“Motivating Students.” Delphi Center Celebration of Teaching and Learning, February 7, 2014  
(with Dr. Richard Wilson)

## G. Internal Pedagogical Grants, Funded

Type of grant:	i2a (ideas-to-action) SUN grant: Supporting Undergraduate Education
Funding agency:	University of Louisville Delphi Center for Teaching and Learning
Title:	“Critical Thinking & Pedagogy for the Undergraduate Program in Public Health”
Amount:	\$11,250 to the School of Public Health and Information Sciences
Funding period:	2012-2013
Authors:	Kira Taylor and Pete Walton

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## I. Invited Talks and Seminars

- “Epidemiology of menstrual function: a study of genetic influences.”  
The University of California at San Francisco, March 12, 2009.
- “Genetic variation and gene-environment interaction influencing fertility.”  
The University of North Carolina at Chapel Hill, June 17, 2009.
- “Genetic and environmental influences on reproductive traits.”  
Emory University, September 29, 2009.
- “A gene-centric association scan for coagulation factor VII levels in multi-ethnic populations.”  
University of Massachusetts-Amherst, February 17, 2011.
- “Genetic Epidemiology of Cardiovascular Disease Risk Factors: My Life of Acronyms and Consortia, Deconstructed.”  
University of Louisville, Department of Biostatistics and Bioinformatics Seminar Series, October 28, 2011.
- “Error and Bias in Epidemiologic Study Designs.”  
OB/GYN Clinical Research Fellows Research Day, University of Louisville, September 27, 2013.
- “Directed Acyclic Graphs: No-Nonsense Causal Diagrams.”  
Department of Epidemiology and Population Health Seminar Series, University of Louisville, January 9, 2014.
- “Variation in Human Fertility.”  
Department of Epidemiology and Population Health Seminar Series, University of Louisville, September 11, 2014.
- “The Impact of Preconception Maternal Stress on Fecundability and Pregnancy Outcomes.”  
University of Louisville Reproductive Endocrinology and Infertility Didactic Series. March 16, 2015.
- “Random vs. Systematic Error in Fecundability Studies.”  
University of Louisville Reproductive Endocrinology and Infertility Didactic Series. June 29, 2015.
- “Secondhand Smoking, Genetic Susceptibility to Smoking, and Infertility.”  
University of Louisville Reproductive Endocrinology and Infertility Didactic Series. February 29, 2016.



# Kira C. Taylor

## VII. RESEARCH FUNDING

### A. Extramural grants/contracts – funded

- 1) Title: The interaction between NAT2 acetylator status and exposure to tobacco smoke on ovarian reserve and *in vitro* fertilization outcomes

Funding organization: NICHD, through the NIH R15 parent program.  
PI: Kira Taylor  
Effort: 20% effort in YO1 and YO2, 10% effort in YO3  
Total costs: \$440,336  
Direct costs: \$300,000  
Funding period: July 8, 2016-June 30, 2019  
Co-investigators: David Hein, Henry Bohler, Rachel Neal

Description: The aim of this research is to further the understanding of the role that gene-environment interactions play in female infertility. The harmful effects of smoking on fertility may be even more pronounced in patients who carry a particular slow-acetylator form of a gene, *NAT2*, which plays an important role in the metabolism of aromatic amines found in tobacco smoke. The effects of active and passive smoking, *NAT2*, and their combined effects on ovarian reserve and *in vitro* fertilization will be estimated.

### B. Extramural grant subcontracts – funded

- 1) Title: Genetic Epidemiology of Causal Variants Across the Life Course

Funding organization: National Institutes of Health  
Project number: 5U01HG004803-04  
PI: Gerardo Heiss, University of North Carolina at Chapel Hill  
Role: Subcontractor  
Total costs: \$36,743  
Direct costs: \$24,660  
Effort: 20% effort, August 2011- May 2012; 8% effort, June 2012- May 2013  
Begin/end date: August 2011-May 2013

Description: Gene-by-sex interaction was analyzed for genetic variants identified by GWAS for lipid traits (LDL, HDL, and triglycerides) and the corresponding manuscript was written and published (*BMC Genetics* 2013, 14:33 (DOI: 10.1186/1471-2156-14-33)).

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## C. Extramural grants/contract – submitted, not funded

1) Title: Association of HNF4- $\alpha$  (Hepatocyte Nuclear Factor 4- alpha) and SHBG (Sex hormone binding globulin) gene polymorphisms with metabolic syndrome in South Asian Indians

Funding organization: American Heart Association  
Type of grant: Great Rivers Grant in-Aid  
PI: Steven Winters  
Co-investigators: Kira Taylor, Ted Kalbfleisch  
Submission date: January 2013

Description: The purpose of the proposed research was to examine the association between sex hormone binding globulin (SHBG) levels and presence of single nucleotide polymorphisms in *SHBG* or *HNF4 $\alpha$*  in healthy South Asian Indian children, and further determine whether SHBG levels or the polymorphisms were associated with metabolic syndrome in the children or in their parents.

2) Title: Bayesian GWAS to discover loci associated with BMI, cleft lip and cleft palate

Funding organization: NIH. Submitted to NIDCR Small Research Grants for Data Analysis and Statistical Methodology Applied to Genome-wide Data (R03) (PAR-13-044).

PI: Kira Taylor  
Effort: 30% in Y01, 20% in Y02  
Total costs: \$438,614  
Direct costs: \$300,000  
Co-investigators: Riten Mitra, Michele Pisano, Rich Kerber, Robert Greene  
Submission date: June 2014

Description: This research would investigate the genetic basis of the most common craniofacial defects, cleft lip and palate. New statistical methods would be developed that take advantage of recently discovered information on genetic variation, gene expression patterns, interactions between genes, and biological pathways that influence health and development.

## D. Intramural grants/contracts – funded

1) Title: The impact of preconception maternal stress on fecundability and pregnancy outcomes.

Type of grant: University of Louisville Research Initiation Grant Program (IRIG)  
Title: The impact of preconception maternal stress on fecundability and pregnancy outcomes.  
Amount: \$4,952  
Funding period: June 2014-May 2015  
PI: Kira Taylor  
Co-investigator: Rachel Neal

Description: Urine samples from a prospective pregnancy study were frozen and shipped to the University of Louisville. Cortisol, a biomarker of stress, was assayed on samples to determine if there was an association with perceived stress or with fertility. A related manuscript, “The impact of periconception maternal stress on fecundability” is currently under peer review.

# Kira C. Taylor

## VIII. SERVICE ACTIVITIES

### A. Intramural

#### 1. University

- Ideas-to-Action (i2a) Division Representative, 2011-present
- Judge for Research! Louisville, September, 2012, 2014
- University of Louisville Graduate Council, 2015-present

#### 2. School of Public Health and Information Sciences

- SPHIS Undergraduate Program Director, 2011-2012
- SPHIS Undergraduate Program Development Team, 2011-2013
  - Worked with Dr. Pete Walton to develop and propose the undergraduate program in public health. Co-authored the initial program proposal.*
- Curriculum Committee Member, SPHIS, 2011-2013
- Academic Affairs Committee Member, 2011-2013
- Transition Team Committee, 2012-2013.
  - Assisted the School during its transition to a new Dean.*
- Rules, Policies, and Credentials Committee Member and Temporary Chair, 2012-2013

#### 3. Department of Epidemiology and Population Health

- Candidacy Exam Committee: 2011, 2012, 2015, 2016
- Curriculum and Handbook Revision Committee, 2013-2014
- EpiHour Seminar Series Creator and Coordinator, 2013-2014
- Proficiency Exam Committee: 2015, 2016

### B. Extramural

- Session Chair, Cardiovascular Genetics, The Obesity Society annual meeting, 2011
- American College of Epidemiology (ACE) Annual Meeting Workshop Creator, Coordinator and Instructor: “Introduction to Genetic Association Analysis: Theory and Practice”, October 2013
- Invited speaker, “Stretching the Mind” seminar series, Treyton Oak Towers, Louisville, KY. Talk title: “Epidemiology in the Media.” May 10, 2013.

# Kira C. Taylor

- Peer Reviewer for the following journals:
  1. Human Reproduction (2009, 2011, 2015)
  2. PLoS One (2012-2016)
  3. Annals of Epidemiology (2014, 2015)
  4. Human Molecular Genetics (2014, 2016)
  5. Pharmacogenetics and Genomics (2015)
  6. Pediatric Research (2015)
  7. Journal of Lipid Research (2016)
  8. The International Journal of Environmental Research and Public Health (2016)

## IX. PUBLICATIONS

### A. Peer-Reviewed Book Chapters and Reports

1. Sherman SL, **Taylor KC**, Allen EG. FMR1 Premutation: a leading cause of inherited ovarian dysfunction. In: Fragile Sites: New discoveries and changing perspectives. (2006). Eds: Arrieta, I, Penagarikano, O, Telez, M. Nova Science Publishers, Inc, Hauppauge, NY, pp. 299-320.
2. **Taylor KC**, Small CM, Epstein MP, Terrell ML, Marcus M. “Brominated flame retardant exposure: Heritability of age at menarche and menstrual cycle length.” (2013). In: Break the Cycle of Environmental Health Disparities: Maternal and Child Health Aspects, Leslie Rubin and Joav Merrick, eds. Nova Science Publishers, Inc., NY, pp. 37-50.

### B. Peer-Reviewed Journal Articles

In cases where I served as a research mentor to a student, the student’s name is underlined.

In cases where I am one of many remaining authors, “et al.” is shown in bold.

1. **Taylor KC**, Jackson LW, Lynch CD, Kostyniak PJ, Buck Louis GM. Preconception maternal polychlorinated biphenyl concentrations and the secondary sex ratio. *Environ Res.* 2007;103(1):99-105. PMID: 16780830
2. Allen EG, Sullivan AK, Marcus M, Small C, Dominguez C, Epstein MP, Charen K, He W, **Taylor KC**, Sherman SL. Examination of reproductive aging milestones among women who carry the FMR1 premutation. *Hum Reprod.* 2007;22(8):2142-52. PMID: 17588953
3. **Taylor KC**, Small C, Epstein MP, Terrell ML, Marcus M. Heritability of age at menarche and menstrual cycle length in a population exposed to a brominated flame retardant. *International Journal of Child and Adolescent Health.* 2009;2(3):383-94.

# Kira C. Taylor

4. **Taylor KC**, Small CM, Epstein MP, Sherman SL, Tang W, Wilson MM, et al. Associations of progesterone receptor polymorphisms with age at menarche and menstrual cycle length. *Horm Res Paediatr.* 2010;74(6):421-7. PMID: 20814185
5. Wassel CL, Lange LA, Keating BJ, **Taylor KC**, Johnson AD, Palmer C, et al. Association of genomic loci from a cardiovascular gene SNP array with fibrinogen levels in European Americans and African-Americans from six cohort studies: the Candidate Gene Association Resource (CARE). *Blood.* 2011;117(1):268-75. PMID: 20978265
6. Lanktree MB\*, Guo Y\*, Murtaza M, Glessner JT, Bailey SD, Onland-Moret NC, **et al.** Meta-analysis of dense genecentric association studies reveals common and uncommon variants associated with height. *Am J Hum Genet.* 2011;88(1):6-18. PMID: 21194676  
*\*Co-first authors.*
7. **Taylor KC**, Lange LA, Zabaneh D, Lange E, Keating BJ, Tang W, et al. A gene-centric association scan for Coagulation Factor VII levels in European and African Americans: the Candidate Gene Association Resource (CARE) Consortium. *Hum Mol Genet.* 2011;20(17):3525-34. PMID: 21676895
8. Dumitrescu L, Carty CL, **Taylor KC**, Schumacher FR, Hindorff LA, Ambite JL, et al. Genetic determinants of lipid traits in diverse populations from the population architecture using genomics and epidemiology (PAGE) study. *PLoS Genet.* 2011;7(6):e1002138. PMID: 21738485
9. **Taylor KC**, Small CM, Dominguez CE, Murray LE, Tang W, Wilson MM, et al. Alcohol, smoking, and caffeine in relation to fecundability, with effect modification by NAT2. *Ann Epidemiol.* 2011;21(11):864-72. PMID: 21684175
10. Agrawal A, Freedman ND, Cheng YC\*, Lin P\*, Shaffer JR\*, Sun Q\*, **Taylor KC\***, Yasban B\*, et al. Measuring alcohol consumption for genomic meta-analyses of alcohol intake: opportunities and challenges. *Am J Clin Nutr.* 2012;95(3):539-47. PMID: 22301922  
*\*These authors, listed alphabetically, contributed equally to this work.*
11. Guo Y\*, Lanktree MB\*, **Taylor KC\***, Hakonarson H, Lange LA, Keating BJ, et al. Gene-centric meta-analyses of 108 912 individuals confirm known body mass index loci and reveal three novel signals. *Hum Mol Genet.* 2013;22(1):184-201. PMID: 23001569  
*\*Co-first authors.*
12. Monda KL\*, Chen GK\*, **Taylor KC\***, Palmer C\*, Edwards TL\*, Lange LA, et al. A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. *Nat Genet.* 2013;45(6):690-6. PMID: 23583978 *\*Co-first authors.*
13. Liu CT\*, Monda KL\*, **Taylor KC\***, Lange L, Demerath EW, Palmas W, et al. Genome-wide association of body fat distribution in African ancestry populations suggests new loci. *PLoS Genet.* 2013;9(8):e1003681. PMID: 23966867 *\*Co-first authors.*
14. **Taylor KC**, Carty CL, Dumitrescu L, Buzkova P, Cole SA, Hindorff L, et al. Investigation of gene-by-sex interactions for lipid traits in diverse populations from the population architecture using genomics and epidemiology study. *BMC Genet.* 2013;14:33. PMID: 23634756

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15. Azadi A, Francis SL, **Taylor KC**, Diaz SI, Pasic R, Yeganeh T, et al. The anatomical outcome of robotic sacrocolpopexy for treatment of pelvic organ prolapse: a comparison of obese and non-obese patients. *Surg Technol Int*. 2014;24:249-52. PMID: 24700227
16. Yoneyama S, Guo Y, Lanktree MB, Barnes MR, Elbers CC, Karczewski KJ, et al, Keating BJ\*, **Taylor KC\***. Gene-centric meta-analyses for central adiposity traits in up to 57 412 individuals of European descent confirm known loci and reveal several novel associations. *Hum Mol Genet*. 2014;23(9):2498-510. PMID: 24345515 \**Joint corresponding authors*.
17. Donneyong MM, Hornung CA, **Taylor KC**, Baumgartner RN, Myers JA, Eaton CB, et al. Risk of heart failure among postmenopausal women: a secondary analysis of the randomized trial of vitamin D plus calcium of the women's health initiative. *Circ Heart Fail*. 2015;8(1):49-56. PMID: 25398967
18. Oyarzun-Gonzalez XA, **Taylor KC\***, Myers SR, Muldoon SB, Baumgartner RN. Cognitive decline and polypharmacy in an elderly population. Letter to the Editor. *J Am Geriatr Soc*. 2015;63(2):397-9. PMID: 25688619 \**Corresponding author*.
19. Donneyong MM, **Taylor KC**, Kerber RA, Hornung CA, Scragg R. Is outdoor recreational activity an independent predictor of cardiovascular disease mortality - NHANES III? *Nutr Metab Cardiovasc Dis*. 2016, Mar 3. doi: 10.1016/j.numecd.2016.02.008. [Epub ahead of print]. PMID: 27089974
20. Sajuthi SP, Sharma NK, Chou JW, Palmer ND, McWilliams DR, Beal J, **et al**. Mapping adipose and muscle tissue expression quantitative trait loci in African Americans to identify genes for type 2 diabetes and obesity. *Human Genetics* 2016, 19 May. doi:10.1007/s00439-016-1680-8. [Epub ahead of print]. PMID: 27193597

## C. Submissions

1. Akhter S, Marcus M, Kerber RA, Kong M, **Taylor KC\***. The impact of periconceptional maternal stress on fecundability. Revise and resubmit requested from *Annals of Epidemiology*; revised manuscript submitted to journal on 5/15/2016. \**Corresponding author*.
2. **Taylor KC\***, Evans DS, Velez Edwards DR, Edwards TL, Li G, Liu Y, et al. A genome-wide association study meta-analysis of clinical fracture in 10,012 African American women. Submitted February 2016. Revise and resubmit request received from *Bone* on May 18, 2016. Revision in progress. \**Corresponding author*.
3. Ahiawodzi PD, Kerber RA, **Taylor KC**, Groves FD, O'Brien E, Ix JH, Kizer JR, Djousse L, Tracy RP, Newman AB, Siscovick DS, Robbins J, Mukamal KJ. Sleep-disordered breathing is associated with higher carboxymethyllysine level among older women but not older men in the Cardiovascular Health Study. Submitted to *Biomarkers Journal*.

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## X. PRESENTATIONS

### A. Peer-Reviewed Presentations

**Taylor KC**, Small CM, Epstein MP, Terrell ML, Marcus M. Heritability of female reproductive characteristics in a population exposed to polybrominated biphenyls. Poster presentation. American Society of Human Genetics annual conference, San Diego, October 2007.

**Taylor KC**, Small CM, Dominguez C, Sherman SL, Epstein MP, Tang W, Wilson MM, Bouzyk M, Marcus, M. Genetic variability in inhibins and menstrual cycle characteristics. Poster presentation. Society for Epidemiologic Research annual conference, Chicago, June 2008. [*American Journal of Epidemiology*, 167(11): p. S23]

**Taylor KC**, Small CM, Epstein MP, Sherman SL, Tang W, Wilson MM, Bouzyk M, Marcus M. Genetic variability in the progesterone receptor and age at menarche. Poster presentation. Society for Epidemiologic Research annual conference, Anaheim, CA, June 2009. [*American Journal of Epidemiology*, 169(11): p. S6]

**Taylor KC**, Small CM, Dominguez C, Murray L, Tang W, Wilson MM, Bouzyk M, Marcus M. *NAT2* haplotypes modify the effects of smoking, alcohol, and caffeine on fertility. Poster presentation. American Society of Human Genetics annual conference, Honolulu, HI, October 2009.

**Taylor KC**, Lange LA, Reiner A, North K, Smith NL, Green D, Tang W, Delaney J, Folsom AR. Multiple loci associated with Factor VII levels in European and African Americans from the Candidate Gene Association Resource (CARE) consortium. Poster presentation. Society for Epidemiologic Research annual conference, Seattle, WA, June 2010. [*American Journal of Epidemiology*, 171(Supp): p. S125.]

**Taylor KC**, North KE, Franceschini N, Jackson R, LaCroix AZ, Robbins JA, Lewis B, Stefanick ML, Cauley JA. Genome-Wide Association Scan of Osteoporotic Fracture Rate among African American Women in the Women's Health Initiative. Poster presentation. American Society of Human Genetics annual conference, Washington, D.C., October 2010.

Demerath E, **Taylor KC**, Lange L, Cupples A, Monda K, Redline S, Grant S, Burke G, Schreiner P, Liu J, Hirschorn J, Papanicolaou G, North K, and Fox C. Novel loci for central adiposity: Findings from the CARE consortium. Poster presentation. The Obesity Society annual conference, San Diego, CA, November 2010.

**Taylor KC**, Liu KY, Zhang S, Manson J, Jackson R, Liu S, Curb JD, Roussouw J, Limacher M, Robinson J, et al. Variation in Vitamin D-Related Genes and Risk of Cardiovascular Disease in African Americans in the Women's Health Initiative SHARe Cohort. Poster presentation. American Heart Association Epidemiology, Nutrition and Metabolism Conference, Atlanta, GA, March 2011.

Monda KL, **Taylor KC**, Lange LA, Chen GK, Papanicolaou GJ, Hirschhorn JN, North KE, Haiman CA. Genome-wide association study of body mass index in 33,525 African Americans validates four loci previously-identified in Europeans and reveals two novel loci.

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- Oral platform presentation. American Heart Association Epidemiology, Nutrition and Metabolism Conference, Atlanta, GA., March 2011.
- Lin J, **Taylor KC**, Liu K-Y, Zhang S, Jackson R, Papanicolaou G, Liu S, Millen A, Ockene J, Vitolins M, Wallace R, Manson J. Variation in vitamin D-associated genes and cancer risk in African American women. Poster presentation. American Association for Cancer Research Annual Meeting, Orlando, FL, April 2011.
- Taylor KC\***, Yoneyama S\*, Fox CS, North KE, Monda KL, Lange L, Keating B, Guo Y, Reiner AP, Grant S, et al. A Meta-Analysis of 51992 Individuals of European Descent Identifies Novel Genetic Associations with Central Adiposity. Platform presentation (oral). The Obesity Society annual meeting, Orlando, Florida, October 4, 2011. \**Co-first authors*.
- Taylor KC**, North KE, Carty C, Dumitrescu L, Hindorff L, Schumacher F, Quibrera M, Cole S, Buyske S, Buzkova P, et al. Replication and Discovery of Lipid-Related Loci Exhibiting Heterogeneity by Sex in the Population Architecture Using Genomics and Epidemiology (PAGE) Study. Poster presentation. International Congress of Human Genetics annual meeting, Montreal, Quebec, Canada, October 2011.
- Liu C-T, Monda KL, **Taylor KC**, Lange L, Adeyemo A, Allison M, Becker DM, Bielak LF, Borecki I, Burke G, et al. Genome-wide Association for Central Adiposity in African Americans. Poster presentation. International Congress of Human Genetics, Montreal, October, 2011.
- Yoneyama S, **Taylor KC**, Fox CS, Keating BJ, Lange LA, Monda KL, Gong Y, Reiner AP, Shen H, Smith E, et al. Investigation of Heterogeneity by Sex of Adiposity Measurements in a Meta-Analysis of 52992 of European Descent Individuals. Poster presentation. International Congress of Human Genetics, Montreal, October, 2011.
- Azadi A, Muldoon S, Ostergard D, Cornwell L, **Taylor KC**. The Effect of Body Mass Index (BMI) in Perioperative Outcomes in Patients Undergoing Robotic Assisted Sacrocolpopexy for Pelvic Organ Prolapse. Poster presentation. International Urogynecological Association Annual Meeting, Brisbane, Australia, September 2012.
- Donneyong MM, Kerber R, Hornung CA, **Taylor KC**. Leisure-time outdoor physical activity, 25-hydroxyvitamin D and their effects on cardiovascular mortality. Poster presentation. American College of Epidemiology annual conference, Chicago, IL, September 2012.
- Taylor KC**, Edwards DV, Edwards T, Evans DS, Li G, North KE, Franceschini N, Jackson R, Donneyong M, LaCroix AZ, et al. Genome-Wide Association Scan of Osteoporotic Fracture: A Meta-Analysis of 10,014 African-American Women. Poster presentation. American Society of Human Genetics Annual Conference, San Francisco, CA, Nov 2012.
- Donneyong MM, Hornung CA, **Taylor KC**, Baumgartner RN, Myers JA, Li W, Song Y, Martin LW, Gorodeski EZ, Shikany JM, Klein L, Eaton C, Manson JE. Vitamin D plus calcium supplementation and risk of heart failure: the Women's Health Initiative study randomized trial of calcium and Vitamin D. Poster presentation. Society for Epidemiologic Research annual meeting, Boston, MA, June 2013.
- Akhter S, Kerber R, Kong M, **Taylor KC**. The impact of preconception maternal self-reported stress on fecundability. Plenary presentation (oral). Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Denver, CO, June 2015.



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## B. Non-Peer Reviewed Presentations

Grow P, **Taylor KC**, Wang Q. The potential role of lysyl oxidase polymorphisms in the pathogenesis of abdominal aortic aneurysm formation. Poster presentation. 13th Annual Emory Cardiology Research Symposium, The Emory Conference Center, Atlanta, GA, June 2007.

**Taylor KC**, Graff M, North KE, Gordon-Larsen P, Cupples A, Fox, C. Genetic Epidemiology of BMI and BMI Change in the Transition from Adolescence to Young Adulthood. Oral presentation. GENEVA quarterly steering committee meeting, Washington D.C., May 2010.

**Taylor KC**, North KE, Franceschini N, Jackson R, Stefanick ML, Cauley JA. “Genome-Wide Association Scan of Osteoporotic Fracture Rate among African American Women in the Women’s Health Initiative.” Oral presentation. WHI-SHARe analytic meeting, Seattle, WA, October 2010.

**Taylor KC**, North KE, Carty C, Dumitrescu L, Hindorff L, Schumacher F, Quibrera M, Cole S, Buyske S, Buzkova P, et al. “Heterogeneity by sex in genetic associations with lipid traits in the Population Architecture using Genomics and Epidemiology (PAGE) Study.” Oral presentation, PAGE steering committee meeting, Washington, D.C. June 2011.

**Taylor KC**. “Genetic Influences on Obesity.” Oral presentation. Kentucky Public Health Association Annual Meeting, Louisville, KY, March 2012.