

CURRICULUM VITAE

Jeannette Simino, Ph.D.

Date: 09/14/2015

1. Address and Telephone Numbers:

Office Center of Biostatistics and Bioinformatics
University of Mississippi Medical Center
2500 North State Street
Jackson, Mississippi 39216
Tel: (601) 815-8128
e-mail: jsimino@umc.edu

2. Present Position: Assistant Professor (tenure-track)
MIND Center, Center of Biostatistics and Bioinformatics
University of Mississippi Medical Center
Jackson, Mississippi

3. Education:

a. Undergraduate

Sept 1994 – July 1998

B.S. Mathematics
University of Missouri
Columbia, Missouri

Sept 1994 – July 1998

B.S. Biochemistry
University of Missouri
Columbia, Missouri

b. Graduate

September 1998 - May 1999

Regents Fellow: Didactic (23 credit hours) and wet lab
training in Molecular Pathology
Texas A&M University School of Medicine
College Station, Texas

September 1999 - August 2001

M.S. Biostatistics
Case Western Reserve University
Cleveland, Ohio

September 2001 - May 2009

M.S. Statistics
Florida State University
Tallahassee, Florida

September 2001 - May 2009

Ph.D. Statistics
Florida State University
Tallahassee, Florida

July 2009 - December 2011

M.S. in Genetic Epidemiology
Washington University School of Medicine
St. Louis, Missouri

c. Postgraduate

June 2009 - June 2012

Post-doctoral Fellow
Division of Biostatistics
Washington University School of Medicine
St. Louis, Missouri

**6. Academic Positions/
Employment:**

May 1997 – August 1997

Howard Hughes Summer Undergraduate Research Fellow
Mason Eye Institute
University of Missouri
Columbia, Missouri

September 1998-May 1999

Regents Fellow
Department of Molecular Pathology
Texas A&M University School of Medicine
College Station, Texas

September 1999 – May 2001

Teaching Assistant
Department of Epidemiology & Biostatistics
Case Western Reserve University School of Medicine
Cleveland, Ohio

August 2001 – August 2007

Teaching and Research Assistant
Department of Statistics
Florida State University
Tallahassee, Florida

July 2003 – July 2005

American Heart Association Pre-doctoral Fellow
(Florida/Puerto Rico Affiliate)
Department of Statistics
Florida State University
Tallahassee, Florida

June 2009 – June 2012

Post-doctoral Fellow
Division of Biostatistics
Washington University School of Medicine
St. Louis, Missouri

July 2012 – June 2014

Research Instructor
Division of Biostatistics
Washington University School of Medicine
St. Louis, Missouri

October 2014 - July 2015

Biostatistician III
MIND Center, Center of Biostatistics and Bioinformatics
University of Mississippi Medical Center
Jackson, MS

7. Honors and Awards:

| | |
|--|------|
| Golden Key National Honor Society | 1997 |
| Honors Scholar, University of Missouri | 1998 |
| Co-winner of the best first year student in applied statistics | 2002 |

8. Professional Society Memberships and Organizations:

| | |
|---|--------------|
| Alpha Chi Sigma Professional Chemistry Fraternity | 1996-1998 |
| Member, American Heart Association | 2003-Present |
| Member, American Statistical Association | 2008-Present |
| Member, American Society of Human Genetics | 2012-Present |

9. Research Support:

Governmental, Past:

Granting agency: NIH/NHLBI T32 HL091823
Role: Scholar
Title: Post-Doctoral Research Training in Genetic Epidemiology (PI: D.C. Rao); Division of Biostatistics, Washington University in St. Louis,
Duration: June 2009 –June 2012

Non-governmental, Past :

Granting agency: American Heart Association Florida/Puerto Affiliate
Role: Pre-doctoral Fellow
Duration: July 2003-July 2005
Purpose: Helps students initiate careers in cardiovascular and stroke research by providing research assistance and training.

Granting agency: Howard Hughes Medical Institute
Role: Undergraduate Summer Research Scholar
Duration: May 1997 - August 1997
Purpose: To encourage students with developing interests in research careers in the biological sciences and biomedical sciences.

10. Teaching, Service, and Division Responsibilities

Teaching assistant for the Department of Epidemiology & Biostatistics at Case Western Reserve University. 1999-2001.

Teaching assistant for courses: Statistics for Epidemiology (twice), Logistic Regression, Survival Analysis, Clinical Trials, Applied Linear Regression with R, and Business Statistics. Department of Statistics at Florida State University. 2001-2002 and 2005-2007.

Teaching assistant for courses: Statistical Computing with SAS (Summers 2010 and 2011), Bioinformatics (August 2012 and August 2013), and Biostatistics 3 (March-May 2013). Division of Biostatistics at Washington University School of Medicine.

Mentored scholars enrolled in the Summer Institute for Biostatistics (SIBS) Research in Disease and Genetics Epidemiology, offered by the Division of Biostatistics at Washington University School of Medicine, sponsored by the National Heart, Lung, and Blood Institute of the National Institutes of Health (HL097814-03; PI: C Gu). Summer 2011.

Taught Unix workshops in the Division of Biostatistics at Washington University School of Medicine. Summers 2012-2013.

Coordinator of the Biostatistics Seminar Series, Washington University School of Medicine. November 2012-June 2014.

Admissions Committee, Master's of Science in Biostatistics Program, Washington University School of Medicine, January 2014-June 2014.

Secretary for the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Cognitive Working Group led by Tom Mosley, January 2015-present

Invited reviewer for Genetic Epidemiology and Atherosclerosis (2013-present)

11. Bibliography:

a. Peer-reviewed manuscripts:

1. **Simino J**, Shi G, Kume R, Schwander K, Province MA, Gu CC, Kardia S, Chakravarti A, Ehret G, Olshen RA, Turner ST, Ho LT, Zhu X, Jaquish C, Paltoo D, Cooper RS, Weder A, Curb JD, Boerwinkle E, Hunt SC, Rao DC. Five blood pressure loci identified by an updated genome-wide linkage scan: Meta-analysis of the Family Blood Pressure Program. *Am J Hypertens* 2011;24:347-354.

2. **Simino J**, Shi G, Arnett D, Broeckel U, Hunt SC, Rao DC. Variants on chromosome 6p22.3 associated with blood pressure in the HyperGEN Study: Follow-up of FBPP quantitative trait loci. *Am J Hypertens* 2011;24:1227-1233.
3. Shi G, **Simino J**, Rao DC. Enriching rare variants using family-specific linkage information. *BMC Proc* 2011; 5 Suppl 9:S82.
4. Basson J, **Simino J**, Rao DC. Between candidate genes and whole genomes: time for alternative approaches in blood pressure genetics, *Curr Hypertens Rep* 2012; 14(1):46-61.
5. **Simino J**, Hollander M, McGee D. Calibration of proportional hazards and accelerated failure time models. *Comm Statist Simulation Comput* 2012 ; 41(6):922-941.
6. **Simino J**, Rao DC, Freedman BI. Novel findings and future directions on the genetics of hypertension. *Current Opinion in Nephrology and Hypertension* 2012; 21(5):500-7.
7. **Simino J**, Shi G, Weder A, Curb JD, Boerwinkle E, Hunt SC, Rao DC. Body mass index modulates blood pressure heritability; The Family Blood Pressure Program. *American J Hypertens* 2014; 27(4):610-9.
8. **Simino J**, Sung YJ, Kume R, Schwander K, Rao DC. Gene-alcohol interactions identify several novel blood pressure loci including a promising locus near SLC16A9. *Frontiers in Genetics* 2013; 4: 277. doi: 10.3389/fgene.2013.00277. PMID: 24376456.
9. Sung YJ*, **Simino J***, Kume R, Basson J, Schwander K, Rao DC. Comparison of Two Methods for Analysis of GxE Interactions in Longitudinal Family Data: The Framingham Heart Study. *Frontiers in Genetics* 2014;5:9. doi: 10.3389/fgene.2014.00009.
* Authors contributed equally
10. Basson JJ, Sung YJ, Schwander K, Kume R, **Simino J**, de las Fuentes L, Rao DC. Gene-education interactions identify novel blood pressure loci in the Framingham Heart Study. *Am J Hypertens* 2014;27: 431-44.
11. **Simino J***, Kume R*, Kraja AT, Turner ST, Hanis CL, Sheu W, Chen I, Jaquish C, Cooper RS, Chakravarti A, Quertermous T, Boerwinkle E, Hunt SC, Rao DC. Linkage analysis incorporating gene-age interactions identifies seven novel

lipid loci: The Family Blood Pressure Program. *Atherosclerosis* 2014; 235:84-93.

* *Authors contributed equally*

12. **Simino J***, Shi G*, Bis JC*, Chasman DI*, Ehret GB*, Gu X*, Guo X*, Hwang SJ*, Sijbrands E*, Smith AV*, Verwoert G*, Bragg-Gresham JL, Cadby G, Chen P, Cheng CY, Corre T, de Boer RA, Goel A, Johnson T, Khor CC, LifeLines Cohort Study, Lluís-Ganella C, Luan J, Lyytikäinen LP, Nolte IM, Sim X, Söber S, van der Most PJ, Verweij N, Zhao JH, Amin N, Boerwinkle E, Bouchard C, Dehghan A, Eiriksdottir G, Elosua R, Franco OH, Gieger C, Harris TB, Hercberg S, Hofman A, James AL, Johnson AD, Kähönen M, Khaw KT, Kutalik Z, Larson MG, Launer LJ, Li G, Liu J, Liu K, Morrison AC, Navis G, Ong RT, Papanicolau GJ, Penninx BW, Psaty BM, Raffel LJ, Raitakari OT, Rice K, Rivadeneira F, Rose LM, Sanna S, Scott RA, Siscovick DS, Stolk RP, Uitterlinden AG, Vaidya D, van der Klauw MM, Vasani RS, Vithana EN, Völker U, Völzke H, Watkins H, Young T, Aung T, Bochud M, Farrall M, Hartman CA, Laan M, Lakatta E, Lehtimäki T, Loos RJF, Lucas G, Meneton P, Palmer LJ, Rettig R, Snieder H, Tai ES, Teo YY, van der Harst P, Wareham NJ, Wijmenga C, Wong TY, Fornage M*, Gudnason V*, Levy D*, Palmas W*, Ridker PM*, Rotter JI*, van Duijn C*, Witteman JCM*, Chakravarti A*, Rao DC*. Gene-age interactions in blood pressure regulation: A large-scale investigation using the CHARGE, Global BPgen, and ICBP consortia. *American Journal of Human Genetics* 2014; 95:24-38.

* *Authors contributed equally*

13. Sung YJ, de las Fuentes L, Schwander KL, **Simino J**, Rao DC. Gene-smoking Interactions Identify Several Novel Blood Pressure Loci in the Framingham Heart Study. *American J Hypertens* 2015 Mar;28(3):343-54.
14. Li C, Chen W, Jiang F, **Simino J**, Srinivasan SR, Berenson GS, Mei H. Genetic association and gene-smoking interaction study of carotid intima-media thickness at five GWAS-indicated genes: The Bogalusa Heart Study. *Gene*. 2015; Mar 6. pii: S0378-1119(15)00256-5. doi: 10.1016/j.gene.2015.02.078.
15. Winkler TW, Justice AE, Graff M, Barata L, Feitosa MF, Chu S, Czajkowski J, Esko T, Fall T, Kilpeläinen TO, Lu Y, Mägi R, Mihailov E, Pers TH, Rieger S, Teumer A, Clegg DJ, Westra HJ, Neinast MD, Franke L, Karjalainen J, **Simino J**, et al. The influence of age and sex on genetic associations with body composition: a large-scale genome-wide interaction study (Under revisions for PLoS Genetics)

b. Abstracts:

1. **Simino J**, Hollander M., McGee D. (presented by M. Hollander). Calibration of proportional hazards models. 6th St. Petersburg Workshop on Simulation, July, 2009, St. Petersburg, Russia.
2. **Simino J**, Shi G, Jaquish C, Paltoo D, Weder A, Curb D, Boerwinkle E, Hunt SC, Rao DC for the Family Blood Pressure Program Investigators. Five blood pressure loci identified by an updated genome-wide linkage scan: Meta analysis of the Family blood Pressure Program. American Heart Association Scientific Sessions, November 2010, Chicago, Illinois.
3. CHARGE, GBPgen, and ICBP Investigators (presented by **J. Simino**). Genome-wide association analysis of blood pressure incorporating gene-age interactions in the CHARGE, GBPgen, and ICBP Consortia. American Society of Human Genetics Meeting, November 2012.