

## CURRICULUM VITAE

### PERSONAL

**Business address** Department of Epidemiology  
University of North Carolina at Chapel Hill  
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### EDUCATION

2002 – 2004 **Master in Public Health, Epidemiology**  
University of North Carolina,  
School of Public Health, Chapel Hill, NC  
Thesis: Maternal Albumin Excretion and Pregnancy  
Outcomes  
Adviser: David Savitz, PhD

1998-2000 **Nephrology Fellowship**  
DUKE University Medical Center, Durham, NC

1995-1998 **Internal Medicine Residency,**  
University of Utah Medical Center, Salt Lake City, UT

1993- 1995 **Nephrology Research Fellowship**  
Division of Nephrology, OHSU, Portland, OR  
Research project: Nephrotoxicity of Immunosuppressive  
Drugs  
Adviser: William Bennett, MD

1987- 1990 **Internal Medicine/Nephrology Residency**  
Hospital das Clinicas de Porto Alegre, Porto Alegre, Brazil.

1986 **Medical Doctor Degree**  
Universidade Federal do Rio Grande do Sul,  
School of Medicine, Porto Alegre, RS, Brazil.

### POSITIONS AND EMPLOYMENT

**Research Assistant Professor**

2007 - Department of Epidemiology  
School of Public Health  
University of North Carolina at Chapel Hill

**Postdoctoral fellow in Epidemiology**

2005-2007 Epidemiology, School of Public Health  
University of North Carolina at Chapel Hill

**Instructor of Medicine**

2001-2005 Division of Nephrology & Hypertension  
Department of Internal Medicine  
School of Medicine  
University of North Carolina at Chapel Hill

**BOARD CERTIFICATION**

Board Certified in NEPHROLOGY – Brazil - 1990  
US Board Certified in INTERNAL MEDICINE – 1998 Recertification 2008  
US Board Certified in NEPHROLOGY -2000 Recertification 2010

**HONORS/AWARDS**

2006-2011 AHA Fellow-to-Faculty Transition Award  
2006-2007 2006-07 UNC Postdoctoral Award for Research Excellence  
2005-2007 GSK Center for Excellence in Pharmacoepidemiology Award  
2004 (summer) Holderness Foundation Medical Student Mentorship Program for Clinical Research  
2002-2003 National Kidney Foundation Young Investigator Award  
1993-1995 International Society of Nephrology Award

**PUBLICATIONS (Selected from 54 peer-reviewed publications)**

1. Franceschini N, Reiner AP, Heiss G. Recent Findings in the Genetics of Blood Pressure and Hypertension Traits (2010). *Am J Hypertens*. Oct 14. [Epub ahead of print]
2. Franceschini N, Rose KM, Astor BC, Couper D, Vupputuri S (2010). Orthostatic hypotension and incident chronic kidney disease: the Atherosclerosis Risk in Communities study. *Hypertension*. Dec;56(6):1054-9. Epub 2010 Nov 8.
3. Elks CE, Perry JR, Sulem P, Chasman DI, Franceschini N, He C, Lunetta KL, Visser JA, Byrne EM, Cousminer DL, Gudbjartsson DF, Esko T, Feenstra B, Hottenga JJ, Koller DL, Kutalik Z, Lin P, Mangino M, Marongiu M, McArdle PF, Smith AV, Stolk L, van Wingerden SH, Zhao JH, Albrecht E, Corre T, Ingelsson E, Hayward C, Magnusson PK, Smith EN, Ulivi S, Warrington NM, Zgaga L, Alavere H, Amin N, Aspelund T, Bandinelli S, Barroso I, Berenson GS, Bergmann S, Blackburn H, Boerwinkle E, Buring JE, Busonero F, Campbell H, Chanock SJ, Chen W, Cornelis MC, Couper D, Coviello AD, d'Adamo P, de Faire U, de Geus EJ, Deloukas P, Döring A, Smith GD, Easton DF, Eiriksdottir G, Emilsson V, Eriksson J, Ferrucci L, Folsom AR, Foroud T, Garcia M, Gasparini P, Geller F, Gieger C; GIANT Consortium, Gudnason V, Hall P, Hankinson SE, Ferrelli L, Heath AC, Hernandez DG, Hofman A, Hu FB, Illig T, Järvelin MR, Johnson AD, Karasik D, Khaw KT, Kiel DP, Kilpeläinen TO, Kolcic I, Kraft P, Launer LJ, Laven JS, Li S, Liu J, Levy D, Martin NG, McArdle WL, Melbye M, Mooser V, Murray JC, Murray SS, Nalls MA, Navarro P, Nelis M, Ness AR, Northstone K, Oostra BA, Peacock M, Palmer LJ, Palotie A, Paré G, Parker AN, Pedersen NL, Peltonen L, Pennell CE, Pharoah P, Polasek O, Plump AS, Pouta A, Porcu E, Rafnar T, Rice JP, Ring SM, Rivadeneira F, Rudan I, Sala C, Salomaa V, Sanna S, Schlessinger D, Schork NJ, Scuteri A, Segrè AV, Shuldiner AR, Soranzo N, Sovio U, Srinivasan SR, Strachan DP, Tammesoo ML, Tikkanen E, Toniolo D, Tsui K, Tryggvadottir L, Tyrer J, Uda M, van Dam RM, van Meurs JB, Vollenweider P, Waeber G, Wareham NJ, Waterworth DM, Weedon MN, Wichmann HE, Willemsen G, Wilson JF, Wright AF, Young L, Zhai G, Zhuang WV, Bierut LJ, Boomsma DI, Boyd HA, Crisponi L, Demerath EW, van Duijn CM, Econs MJ, Harris TB, Hunter DJ, Loos RJ, Metspalu A, Montgomery GW, Ridker PM, Spector TD, Streeten EA, Stefansson K, Thorsteinsdottir U, Uitterlinden AG, Widen E, Murabito JM, Ong KK, Murray A (2010). Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. *Nat Genet* Dec;42(12):1077-85.
4. Furberg H, Kim Y, Dackor J, Boerwinkle E, Franceschini N, Ardissino D, Bernardinelli L, Mannucci PL, Mauri F, Merlini PA, Absher D, Assimes TL, Fortmann SP, Iribarren C, Knowles JW, Quertermous T, Ferrucci L, Tanaka T, Bis JC, Furberg CD, Haritunians T, McKnight B, Psaty BM, Taylor KD, Thacker EL, Almgren P, Groop L, Ladenvall C, Boehnke M, Jackson AU, Mohlke KL, Stringham HM, Tuomilehto J, Benjamin EJ, Hwang SJ, Levy D, Preis SR, Vasan RS, Duan J, Gejman PV, Levinson DF, Sanders AR, Shi J, Lips EH, McKay JD, Agudo A, Barzan L, Bencko V, Benhamou S, Castellsague X, Canova C, Conway DI, Fabianova E, Foretova L, Janout V, Healy CM, Holcátová I, Kjaerheim K, Lagiou P, Lissowska J, Lowry R, Macfarlane TV, Mates D, Richiardi L, Rudnai P, Szeszenia-Dabrowska N, Zaridze D, Znaor A, Lathrop M, Brennan P,

- Bandinelli S, Frayling TM, Guralnik JM, Milaneschi Y, Perry JR, Altshuler D, Elosua R, Kathiresan S, Lucas G, Melander O, O'Donnell CJ, Salomaa V, Schwartz SM, Voight BF, Penninx BW, Smit JH, Vogelzangs N, Boomsma DI, de Geus EJ, Vink JM, Willemsen G, Chanock SJ, Gu F, Hankinson SE, Hunter DJ, Hofman A, Tiemeier H, Uitterlinden AG, van Duijn CM, Walter S, Chasman DI, Everett BM, Paré G, Ridker PM, Li MD, Maes HH, Audrain-McGovern J, Posthuma D, Thornton LM, Lerman C, Kaprio J, Rose JE, Ioannidis JP, Kraft P, Lin DY, Sullivan PF The Tag Consortium. Meta-analyses of genome-wide association studies implicate multiple loci for smoking behavior (2010). *Nat Genet* May;42(5):441-7. Epub 2010 Apr 25.
5. Hancock DB, Eijgelsheim M, Wilk JB, Gharib SA, Loehr LR, Marcianti KD, Franceschini N, van Durme YMTA, Chen T, Barr RG, Schabath MB, Couper DJ, Brusselle GG, Psaty BM, van Duijn CM, Rotter JJ, Uitterlinden AJ, Hofman A, Punjabi NM, Rivadeneira F, Morrison AC, Enright PL, North KE, Heckbert SR, Lumley T, Stricker BHC, O'Connor GT, London SJ (2010). Meta-analyses of genome-wide association studies identify multiple novel loci related to pulmonary function: the CHARGE consortium. *Nat Genet*. Jan;42(1):45-52. Epub 2009 Dec 13.
  6. Matsushita K; Selvin E, Bash LD, Franceschini N, Astor B, Coresh J. Change in Estimated Glomerular Filtration Rate and its Association with Coronary Heart Disease and All-Cause Mortality: The Atherosclerosis Risk in Communities (ARIC) Study (2009). *J Am Soc Nephrol*. Dec;20(12):2617-24. Epub 2009 Nov 5
  7. Franceschini N, Voruganti VS, Haack K, Almasy L, Laston S, Göring HH, Umans JG, Lee ET, Best LG, Fabsitz RR, Maccluer JW, Howard BV, North KE, Cole SA. The association of the *MYH9* gene and kidney outcomes in American Indians: the Strong Heart Family Study (2009). *Hum Genet*. Nov 18. [Epub ahead of print]
  8. Franceschini N, Almasy L, MacCluer JW, Goring HH, Cole SA, Diego SA, Laston S, Howard BV, Lee ET, Best LG, Fabsitz RR, North KE. (2009) Social- and Environmental-Specific Genetic Effects on Blood Pressure Traits: The Strong Heart Family Study. *Circ Cardiovasc Genet*. Aug;2(4):396-401. Epub 2009 Jun 16.
  9. Perry JRB, Stolk L Franceschini N, Lunetta KL, Zhai G, McArdle PF, Smith AV, Aspelund T, Bandinelli S, Boerwinkle E, Cherkas L, Eiriksdottir G, Estrada K, Ferrucci L, Folsom AR, Garcia M, Gudnason V, Hofman A, Karasik D, Kiel DP, Launer LJ, van Meurs J, Nalls MN, Rivadeneira F, Shuldiner AR, Singleton A, Soranzo N, Tanaka T, Visser JA, Weedon MN, Wilson SG, Zhuang V, Streeten EA, Harris TB, Murray A, Spector TD, Demerath E, Uitterlinden AG, Murabito JM. (2009) Loci on Chromosome 6 and 9 are associated with Age at Menarche: a Meta-analysis of Genome Wide Association Data from 17,510 Women. *Nat Genet*. May 17. [Epub ahead of print]
  10. Voruganti VS, Göring HH, Mottl A, Franceschini N, Haack K, Laston S, Almasy L, Fabsitz RR, Lee ET, Best LG, Devereux RB, Howard BV, Maccluer JW, Comuzzie AG, Umans JG, Cole SA (2009) Genetic influence on variation in serum uric acid in

American Indians: the Strong Heart Family Study. *Hum Genet.* Jul 10. [Epub ahead of print]

11. Franceschini N, Almasy L, MacCluer JW, Goring HH, Cole SA, Diego SA, Laston S, Howard BV, Lee ET, Best LG, Fabsitz RR, North KE (2008). Diabetes-specific genetic effects on obesity traits in American Indian populations: the Strong Heart Family Study. *BMC Med Genet* 9(1):90.
12. Franceschini N, Qiu C, Barrow DA, Williams MA. (2008) Cystatin C and Preeclampsia: a Case Control Study. *Ren Fail.* 30(1):89-95.
13. Kalayjian R, Franceschini N, Gupta SK, Szczech LA, Mupere E, Bosch RJ Smurzynski M, Albert JM. (2008) Suppression of HIV-1 replication by antiretroviral therapy improves renal function in persons with low CD4 cells and chronic kidney disease. *AIDS* 22(4):481-7.
14. N. Franceschini, J.W. MacCluer, K.M. Rose, S. Rutherford, S.A. Cole, S. Laston, H.H. Göring, V.P. Diego, M.J. Roman, E.T. Lee, L.G. Best, B. V. Howard, R.R. Fabsitz, Kari E. North. (2008) Genome-Wide Linkage Analysis Of Pulse Pressure In American Indians: The Strong Heart Study. *Am J Hypertens.* 21(2):194-9.
15. Franceschini N, Wojczynski M, Göring HHH, Peralta JM, Dyer TD, Li X, Li H, North KE. (2007) Comparison of Strategies for Identification of Regulatory Quantitative Trait Loci of Transcript Expression Traits. *BMC Proc.*;1 Suppl 1:S85. Epub 2007 Dec 18.
16. 23. North KE, Franceschini N, Borecki IB, Gu CC, Heiss G, Province MA, Arnett D, Lewis CE, Miller MB, Myers RH, Hunt SC, Freedman BI. (2007) Genotype-by-sex interaction on fasting insulin concentration: The HyperGEN Study. *Diabetes.* 56(1):137-142.
17. Franceschini N, Jean W. MacCluer, Harald H.H. Göring, Shelley A. Cole, Kathryn M. Rose, Laura Almasy, Vincent Diego, Sandra Laston, Elisa T. Lee, Barbara V. Howard, Lyle G. Best, Richard R. Fabsitz, Mary J. Roman, Kari E. North. (2006) A QTL-Specific Gene-By-Sex Interaction On Systolic Blood Pressure Among American Indians: The Strong Heart Family Study. *Hypertension.* 48(2):266-270.
18. Franceschini N, Napravnik S, Finn W, Szczech L, Eron J.(2006) Immunosuppression, hepatitis C and acute renal failure in HIV-infected patients. *JAIDS.* 42(3):368-372.
19. Franceschini N, North K, Kopp J, Winkler C. (2006) *NPHS2*, Idiopathic Nephrotic Syndrome and Focal Segmental Glomerulosclerosis: A HUGE Review. *Genetics in Medicine.* 8(2):63-75.

20. Thomas DB, Franceschini N, Hogan SL, ten Holder S, Jennette CE, Falk RJ, Jennette JC. (2006) Clinical and Pathologic Characteristics of Focal Segmental Glomerulosclerosis Pathologic Variants. *Kidney Int.* 69(5):920-926
21. Franceschini N, MacCluer JW, Göring HHH, Cole SA, Rose KM, Almasy L, Diego V, Laston S, Lee ET, Howard BV, Best LG, Fabsitz RR, Roman MJ, North KE (2006). A QTL-Specific Gene-By-Sex Interaction on Systolic Blood Pressure among American Indians: The Strong Heart Family Study. *Hypertension* 48(2):266-70.
22. Gupta S, Eustace JA, Winston, JA, Boydstun, II, Ahuja, TS, Rodriguez RA, Tashima, KT, Roland M, Franceschini N, Palella, FJ, Lennox, JL, Klotman, PE, Nachman, SA, Hall, SD, Szczech, LA. (2005) Guidelines for the Management of Chronic Kidney Disease in HIV-Infected Patients: Recommendations of the HIV Medical Association of the Infectious Diseases Society of America and the Adult and Pediatric AIDS Clinical Trials Groups. *Clinical Infectious Disease.* 40(11):1559-85.
23. Franceschini N, Cheng O, Zhang X, Ruiz P, Mannon RB. (2003) Inhibition of prolyl-4-hydroxylase ameliorates chronic rejection of mouse kidney allografts. Inhibition of prolyl-4-hydroxylase ameliorates chronic rejection of mouse kidney allografts. *Am J Transplant.* 3(4):396-402.
24. Franceschini N, Alpers CE, Bennett WM, Andoh TF. (1998) Cyclosporine arteriopathy: effects of drug withdrawal. *Am J Kidney Dis.* 32(2):247-253.
25. Shihab FS, Andoh TF, Tanner AM, Noble NA, Border WA, Franceschini N, Bennett WM. (1996) Role of transforming growth factor-beta 1 in experimental chronic cyclosporine nephropathy. *Kidney Int.* 49(4):1141-1151.
26. Andoh TF, Lindsley J, Franceschini N, Bennett WM. (1996) Synergistic effects of cyclosporine and rapamycin in a chronic nephrotoxicity model. *Transplantation.* 62(3):311-316.
27. Pichler RH, Franceschini N, Young BA, Hugo C, Andoh TF, Burdmann EA, Shankland SJ, Alpers CE, Bennett WM, Couser WG. (1995) Pathogenesis of cyclosporine nephropathy: roles of angiotensin II and osteopontin. *J Am Soc Nephrol.* 6(4):1186-1196.
28. Franceschini N, Jean W. MacCluer, Harald H.H. Göring, Shelley A. Cole, Kathryn M. Rose, Laura Almasy, Vincent Diego, Sandra Laston, Elisa T. Lee, Barbara V. Howard, Lyle G. Best, Richard R. Fabsitz, Mary J. Roman, Kari E. North. (2006) A QTL-Specific Gene-By-Sex Interaction On Systolic Blood Pressure Among American Indians: The Strong Heart Family Study. *Hypertension.* 48(2):266-270.

29. Franceschini N, Napravnik S, Finn W, Szczech L, Eron J.(2006) Immunosuppression, hepatitis C and acute renal failure in HIV-infected patients. *Journal of Acquired Immune Deficiency Syndromes*. 42(3):368-372.
30. Franceschini N, North K, Kopp J, Winkler C. (2006) *NPHS2*, Idiopathic Nephrotic Syndrome and Focal Segmental Glomerulosclerosis: A HUGE Review. *Genetics in Medicine*. 8(2):63-75.
31. Thomas DB, Franceschini N, Hogan SL, ten Holder S, Jennette CE, Falk RJ, Jennette JC. (2006) Clinical and Pathologic Characteristics of Focal Segmental Glomerulosclerosis Pathologic Variants. *Kidney Int*. 69(5):920-926
32. Franceschini N, MacCluer JW, Göring HHH, Cole SA, Rose KM, Almasy L, Diego V, Laston S, Lee ET, Howard BV, Best LG, Fabsitz RR, Roman MJ, North KE (2006). A QTL-Specific Gene-By-Sex Interaction on Systolic Blood Pressure among American Indians: The Strong Heart Family Study. *Hypertension* 48(2):266-70.

## **Other Experience and Professional Memberships**

### **Member, Editor Board**

2003- 2009                      Clinical Nephrology journal

### **Member, Committee**

2002- 2005                      Clinical Guidelines Committee, Adult Aids Clinical Trials Group (AACTG) National Institute of Allergy and Infectious Diseases, NIH

2007 – present                      Renal Committee, Strong Heart Family Study  
National Heart, Lung and Blood Institute, NIH

2011 - present                      Women’s Health Initiative P & P Committee

### **Reviewer, Journals**

*Circulation*

*Circulation Genetics*

*JAMA*

*Archives of Internal Medicine*

*American Journal of Epidemiology*

*American Journal of Kidney Diseases*

*Kidney International*

*Clinical Nephrology*

*American Journal of Cardiology*

*American Journal of Hypertension*  
*Nephron Dialysis and Transplantation*  
*Journal of the American Society of Nephrology*  
*Environmental Health Perspectives*  
*Diabetes*  
*Genetic Analysis Workshop 15*  
*Genetic analysis workshop 16*  
*Human Genetics*  
*American Journal of Hypertension*  
*BMC Medical Genetics*  
*Genome Physiology*

**Member, Societies**

International Society of Nephrology  
American Society of Nephrology  
Society of Epidemiology Research  
American Heart Association  
International Genetic Epidemiology Society  
American Society of Human Genetics

**Ongoing Research Support**

AHA 0675001N (Franceschini) 7/2006- 6/2011  
AHA  
American Heart Association- Junior to Faculty Award  
Project: Innovative Analysis of Blood Pressure in Gene-Environment Context

1R01HL089651-01 (North) 4/2008- 6/2011  
NIH  
Comprehensive Mapping of a Blood Pressure QTL on Chromosome 17  
This proposal aims to identify gene variants in chromosome 17 associated with blood pressure variation and susceptibility to hypertension, by following-up persuasive linkage findings of blood pressure in American Indian participants of the Strong Heart Family Study.  
Role: Co-Investigator

1U01HG004803-01 (Heiss) 4/2008-3/2012  
NIH  
Genetic Epidemiology of Causal Variants Across the Life Course  
The overall goal of this proposal is to investigate the epidemiologic architecture of mature genetic variants associated with complex diseases.  
Role: Co-Investigator

1RC2HL102924 (North PI-UNC)

9/2009-9/2011

NHLBI

WHISP: Women's' Health Initiative Sequencing Project

Role: Co-Investigator