

# Curriculum Vitae

## Kari E. North

### PERSONAL

Business Address: Department of Epidemiology and  
Carolina Center for Genome Sciences  
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### EDUCATION

2000 **Doctor of Philosophy Degree (with honors)**  
Anthropological Genetics  
University of Kansas

1995 **Masters of Arts Degree**  
Anthropological Genetics  
University of Kansas

1992 **Bachelor of Arts Degree (with honors)**  
Anthropology  
University of South Florida

### PROFESSIONAL EXPERIENCE

**Professor**  
**2014 - present** Department of Epidemiology and Carolina Center for  
Genome Sciences  
School of Public Health  
University of North Carolina at Chapel Hill  
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**Associate Professor**  
2007-present Department of Epidemiology and Carolina Center for  
Genome Sciences  
School of Public Health  
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**Assistant Professor**

2002-2007  
Department of Epidemiology and Carolina Center for  
Genome Sciences  
School of Public Health  
University of North Carolina at Chapel Hill  
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**Postdoctoral Scientist**

2000-2002  
Department of Genetics  
Southwest Foundation for Biomedical Research  
7620 NW Loop 410  
PO Box 760549  
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**Senior Research Assistant**

1997-2000  
Department of Genetics  
Southwest Foundation for Biomedical Research  
7620 NW Loop 410  
PO Box 760549  
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**Research Assistant**

1992-1994  
Department of Pharmacology  
University of Kansas  
Lawrence, KS 66045  
(913) 864-4308

**Editorial Assistant**

1992-1994  
Human Biology  
The University of Kansas  
Lawrence, KS 66045  
(913) 864-4172

**Summer Fellow**

1992  
National Institutes of Health  
Animal Research Center  
Poolesville, MD 20837  
(301) 496-0835

**HONORS**

2015  
Invited participant to NHGRI Roundtable on Inclusion and Engagement of Underrepresented Populations in Genomic Research, September 2015

2012  
First Author Abstract selected as among the top 10 percent of all accepted abstracts submitted to AHA Specialty Conferences in 2012

2012  
Senior Author Abstract selected as among the top 10 percent of all accepted abstracts submitted to AHA Specialty Conferences in 2012

2011  
Review committee for the Helmholtz Institute, Munich Germany

2010  
First Author Abstract selected as among the top 10 percent of all accepted abstracts submitted to

## AHA Specialty Conferences in 2010

2005	American Heart Association's Sandra Daugherty award for excellence in cardiovascular disease and hypertension epidemiology (finalist)
2004	American Heart Association's Roger R. Williams award for excellence in genetics research
1992	National Institutes of Health Summer Fellowship
1992	Honors Convocation, (University of South Florida)
1990-1992	Golden Key National Honors Society
1990-1992	Pi Gamma Mu National Social Science Honors Society
1990-1992	Dean's List of Scholars, University of South Florida (University of South Florida)
1990-1992	Department of Anthropology Honors Program (University of South Florida)

## BIBLIOGRAPHY

### *Book Chapters*

1. Arab L, Milner J, DeMarini DM, Martin L, **North KE**: Nutrigenetics and Nutrigenomics in Nutritional Epidemiology. In "Design Concepts in Nutritional Epidemiology," 2007 (45 pages) B. Margetts and M. Nelson (Editors) Third Edition, Oxford University Press, Oxford, UK.

### *Published Peer Reviewed Articles*

<sup>†</sup> Indicates that the first author is a student or Postdoctoral fellow for which I am the primary mentor

<sup>±</sup>Indicates that I am the senior author

\*Indicates equal contribution to the project as the Senior Author. All Authors jointly led this project.

## **2016**

1. ± A.E. Justice\*, A.G. Howard\*, G. Chittoor\*, L. Fernandez-Rhodes, V.S. Voruganti, S.M. Love, N. Franceschini, C.L. Avery, M. Graff, K.L. Young, **K.E. North**. (in press) Genome-Wide Association of Trajectories of Systolic Blood Pressure Change. Accepted for the GAW19 Proceedings to be published in the BMC Proceedings.
2. † ± L. Fernández-Rhodes, M. Graff, C.J. Hodonsky, S.M. Love, A.A. Seyerle, C.L. Avery, G. Chittoor, N. Franceschini, A.G. Howard, V.S. Voruganti, K. Young, **K.E. North**, A. Justice. Comparison of Gene-Environment Methods using Simulated GAW19 Family-Based Data. Accepted for the GAW19 Proceedings to be published in the BMC Proceedings.
3. Sofer T, Shaffer JR, Graff M, Qi Q, Stilp AM, Gogarten SM, **North KE**, Isasi CR, Laurie CC, Szpiro AA. Meta-Analysis of Genome-Wide Association Studies with Correlated Individuals: Application to the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). Genetic epidemiology. 2016; PubMed [journal] PMID:27256683.
4. Sajuthi SP, Sharma NK, Chou JW, Palmer ND, McWilliams DR, Beal J, Comeau ME, Ma L, Calles-Escandon J, Demons J, Rogers S, Cherry K, Menon L, Kouba E, Davis D, Burris M, Byerly SJ, Ng MC, Maruthur NM, Patel SR, Bielak LF, Lange LA, Guo X, Sale MM, Chan KH, Monda KL, Chen GK, Taylor K, Palmer C, Edwards TL, **North KE**, Haiman CA, Bowden DW, Freedman BI, Langefeld CD, Das SK. Mapping adipose and muscle tissue

expression quantitative trait loci in African Americans to identify genes for type 2 diabetes and obesity. *Human genetics*. 2016; PubMed [journal] PMID: 27193597.

5. Hinney A, Kesselmeier M, Jall S, Volckmar AL, Föcker M, Antel J, Heid IM, Winkler TW, Grant SF, Guo Y, Bergen AW, Kaye W, Berrettini W, Hakonarson H, Herpertz-Dahlmann B, de Zwaan M, Herzog W, Ehrlich S, Zipfel S, Egberts KM, Adan R, Brandys M, van Elburg A, Boraska Perica V, Franklin CS, Tschöp MH, Zeggini E, Bulik CM, Collier D, Scherag A, Müller TD, Hebebrand J. Evidence for three genetic loci involved in both anorexia nervosa risk and variation of body mass index. *Molecular psychiatry*. 2016; PubMed [journal] PMID: 27184124.
6. Machiela MJ, Lan Q, Slager SL, Vermeulen RC, Teras LR, Camp NJ, Cerhan JR, Spinelli JJ, Wang SS, Nieters A, Vijai J, Yeager M, Wang Z, Ghesquières H, McKay J, Conde L, de Bakker PI, Cox DG, Burdett L, Monnereau A, Flowers CR, De Roos AJ, Brooks-Wilson AR, Giles GG, Melbye M, Gu J, Jackson RD, Kane E, Purdue MP, Vajdic CM, Albanes D, Kelly RS, Zucca M, Bertrand KA, Zeleniuch-Jacquotte A, Lawrence C, Hutchinson A, Zhi D, Habermann TM, Link BK, Novak AJ, Dogan A, Asmann YW, Liebow M, Thompson CA, Ansell SM, Witzig TE, Tilly H, Haioun C, Molina TJ, Hjalgrim H, Glimelius B, Adami HO, Roos G, Bracci PM, Riby J, Smith MT, Holly EA, Cozen W, Hartge P, Morton LM, Severson RK, Tinker LF, **North KE**, Becker N, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, Staines A, Lightfoot T, Crouch S, Smith A, Roman E, Diver WR, Offit K, Zelenetz A, Klein RJ, Villano DJ, Zheng T, Zhang Y, Holford TR, Turner J, Southey MC, Clavel J, Virtamo J, Weinstein S, Riboli E, Vineis P, Kaaks R, Boeing H, Tjønneland A, Angelucci E, Di Lollo S, Rais M, De Vivo I, Giovannucci E, Kraft P, Huang J, Ma B, Ye Y, Chiu BC, Liang L, Park JH, Chung CC, Weisenburger DD, Fraumeni JF Jr, Salles G, Glenn M, Cannon-Albright L, Curtin K, Wu X, Smedby KE, de Sanjose S, Skibola CF, Berndt I, Birmann BM, Chanock SJ, Rothman N. Genetically predicted longer telomere length is associated with increased risk of B-cell lymphoma subtypes. *Human molecular genetics*. 2016; 25(8):1663-76. PubMed [journal] PMID: 27008888, PMCID: PMC4854019.
7. Young KL, Graff M, **North KE**, Richardson AS, Bradfield JP, Grant SF, Lange LA, Lange EM, Harris KM, Gordon-Larsen P. Influence of SNP\*SNP interaction on BMI in European American adolescents: findings from the National Longitudinal Study of Adolescent Health. *Pediatric obesity*. 2016; 11(2):95-101. NIHMSID: NIHMS683582 PubMed [journal] PMID: 25893265, PMCID: PMC4615264.
8. Berndt SI, Camp NJ, Skibola CF, Vijai J, Wang Z, Gu J, Nieters A, Kelly RS, Smedby KE, Monnereau A, Cozen W, Cox A, Wang SS, Lan Q, Teras LR, Machado M, Yeager M, Brooks-Wilson AR, Hartge P, Purdue MP, Birmann BM, Vajdic CM, Cocco P, Zhang Y, Giles GG, Zeleniuch-Jacquotte A, Lawrence C, Montalvan R, Burdett L, Hutchinson A, Ye Y, Call TG, Shanafelt TD, Novak AJ, Kay NE, Liebow M, Cunningham JM, Allmer C, Hjalgrim H, Adami HO, Melbye M, Glimelius B, Chang ET, Glenn M, Curtin K, Cannon-Albright LA, Diver WR, Link BK, Weiner GJ, Conde L, Bracci PM, Riby J, Arnett DK, Zhi D, Leach JM, Holly EA, Jackson RD, Tinker LF, Benavente Y, Sala N, Casabonne D, Becker N, Boffetta P, Brennan P, Foretova L, Maynadie M, McKay J, Staines A, Chaffee KG, Achenbach SJ, Vachon CM, Goldin LR, Strom SS, Leis JF, Weinberg JB, Caporaso NE, Norman AD, De Roos AJ, Morton LM, Severson RK, Riboli E, Vineis P, Kaaks R, Masala G, Weiderpass E, Chirlaque MD, Vermeulen RC, Travis RC, Southey MC, Milne RL, Albanes D, Virtamo J, Weinstein S, Clavel J, Zheng T, Holford TR, Villano DJ, Maria A, Spinelli JJ, Gascoyne RD, Connors JM, Bertrand KA, Giovannucci E, Kraft P, Krickler A, Turner J, Ennas MG, Ferri GM, Miligi L, Liang L, Ma B, Huang J, Crouch S, Park JH, Chatterjee N, **North KE**, Snowden JA, Wright J, Fraumeni JF, Offit K, Wu X, de Sanjose S, Cerhan JR, Chanock SJ, Rothman N, Slager SL. Meta-analysis of genome-wide association studies discovers multiple loci for chronic lymphocytic leukemia. *Nature communications*. 2016; 7:10933. PubMed [journal] PMID: 26956414, PMCID: PMC4786871.
9. ± Offenbacher S, Divaris K, Barros SP, Moss KL, Marchesan JT, Morelli T, Zhang S, Kim S, Sun L, Beck JD, Laudes M, Munz M, Schaefer AS, **North KE**. Genome-wide association study of biologically-informed periodontal complex traits offers novel insights into the genetic basis of periodontal disease. *Human molecular genetics*. 2016; PubMed [journal] PMID: 26962152
10. Lessard S, Manning AK, Low-Kam C, Auer PL, Giri A, Graff M, Schurmann C, Yaghoobkar H, Luan J, Esko T, Karaderi T, Bottinger EP, Lu Y, Carlson C, Caulfield M, Dubé MP, Jackson RD, Kooperberg C, McKnight B, Mongrain I, Peters U, Reiner AP, Rhoads D, Sotoodehnia N, Hirschhorn JN, Scott RA, Munroe PB, Frayling TM, Loos RJ, **North KE**, Edwards TL, Tardif JC, Lindgren CM, Lettre G. Testing the role of predicted gene knockouts in human anthropometric trait variation. *Human molecular genetics*. 2016; PubMed [journal] PMID: 26908616.
11. ± Schick UM, Jain D, Hodonsky CJ, Morrison JV, Davis JP, Brown L, Sofer T, Conomos MP, Schurmann C, McHugh CP, Nelson SC, Vadlamudi S, Stilp A, Plantinga A, Baier L, Bien SA, Gogarten SM, Laurie CA, Taylor

- KD, Liu Y, Auer PL, Franceschini N, Szpiro A, Rice K, Kerr KF, Rotter JI, Hanson RL, Papanicolaou G, Rich SS, Loos RJ, Browning BL, Browning SR, Weir BS, Laurie CC, Mohlke KL, **North KE\***, Thornton TA\*, Reiner AP\*. Genome-wide Association Study of Platelet Count Identifies Ancestry-Specific Loci in Hispanic/Latino Americans. *American journal of human genetics*. 2016; 98(2):229-42. PubMed [journal] PMID: 26805783, PMCID: PMC4746331.
12. Yu B, Pulit SL, Hwang SJ, Brody JA, Amin N, Auer PL, Bis JC, Boerwinkle E, Burke GL, Chakravarti A, Correa A, Dreisbach AW, Franco OH, Ehret GB, Franceschini N, Hofman A, Lin DY, Metcalf GA, Musani SK, Muzny D, Palmas W, Raffel L, Reiner A, Rice K, Rotter JI, Veeraghavan N, Fox E, Guo X, **North KE**, Gibbs RA, van Duijn CM, Psaty BM, Levy D, Newton-Cheh C, Morrison AC. Rare Exome Sequence Variants in CLCN6 Reduce Blood Pressure Levels and Hypertension Risk. *Circulation. Cardiovascular genetics*. 2016; 9(1):64-70. NIHMSID: NIHMS744599 PubMed [journal] PMID: 26658788, PMCID: PMC4771070
  13. Lu Y, Day FR, Gustafsson S, Buchkovich ML, Na J, Bataille V, Cousminer DL, Dastani Z, Drong AW, Esko T, Evans DM, Falchi M, Feitosa MF, Ferreira T, Hedman ÅK, Haring R, Hysi PG, Iles MM, Justice AE, Kanoni S, Lagou V, Li R, Li X, Locke A, Lu C, Mägi R, Perry JR, Pers TH, Qi Q, Sanna M, Schmidt EM, Scott WR, Shungin D, Teumer A, Vinkhuyzen AA, Walker RW, Westra HJ, Zhang M, Zhang W, Zhao JH, Zhu Z, Afzal U, Ahluwalia TS, Bakker SJ, Bellis C, Bonnefond A, Borodulin K, Buchman AS, Cederholm T, Choh AC, Choi HJ, Curran JE, de Groot LC, De Jager PL, Dhonukshe-Rutten RA, Enneman AW, Eury E, Evans DS, Forsen T, Friedrich N, Fumeron F, Garcia ME, Gärtner S, Han BG, Havulinna AS, Hayward C, Hernandez D, Hillege H, Ittermann T, Kent JW, Kolcic I, Laatikainen T, Lahti J, Mateo Leach I, Lee CG, Lee JY, Liu T, Liu Y, Lobbens S, Loh M, Lyytikäinen LP, Medina-Gomez C, Michaëlsson K, Nalls MA, Nielson CM, Oozageer L, Pascoe L, Paternoster L, Polašek O, Ripatti S, Sarzynski MA, Shin CS, Narančić NS, Spira D, Srikanth P, Steinhagen-Thiessen E, Sung YJ, Swart KM, Taittonen L, Tanaka T, Tikkanen E, van der Velde N, van Schoor NM, Verweij N, Wright AF, Yu L, Zmuda JM, Eklund N, Forrester T, Grarup N, Jackson AU, Kristiansson K, Kuulasmaa T, Kuusisto J, Lichtner P, Luan J, Mahajan A, Männistö S, Palmer CD, Ried JS, Scott RA, Stancáková A, Wagner PJ, Demirkan A, Döring A, Gudnason V, Kiel DP, Kühnel B, Mangino M, Mcknight B, Menni C, O'Connell JR, Oostra BA, Shuldiner AR, Song K, Vandenput L, van Duijn CM, Vollenweider P, White CC, Boehnke M, Boettcher Y, Cooper RS, Forouhi NG, Gieger C, Grallert H, Hingorani A, Jørgensen T, Jousilahti P, Kivimäki M, Kumari M, Laakso M, Langenberg C, Linneberg A, Luke A, Mckenzie CA, Palotie A, Pedersen O, Peters A, Strauch K, Tayo BO, Wareham NJ, Bennett DA, Bertram L, Blangero J, Blüher M, Bouchard C, Campbell H, Cho NH, Cummings SR, Czerwinski SA, Demuth I, Eckardt R, Eriksson JG, Ferrucci L, Franco OH, Froguel P, Gansevoort RT, Hansen T, Harris TB, Hastie N, Heliövaara M, Hofman A, Jordan JM, Jula A, Kähönen M, Kajantie E, Knekt PB, Koskinen S, Kovacs P, Lehtimäki T, Lind L, Liu Y, Orwoll ES, Osmond C, Perola M, Pérusse L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Rivadeneira F, Rudan I, Salomaa V, Sørensen TI, Stumvoll M, Tönjes A, Towne B, Tranah GJ, Tremblay A, Uitterlinden AG, van der Harst P, Vartiainen E, Viikari JS, Vitart V, Vohl MC, Völzke H, Walker M, Wallaschofski H, Wild S, Wilson JF, Yengo L, Bishop DT, Borecki IB, Chambers JC, Cupples LA, Dehghan A, Deloukas P, Fatemifar G, Fox C, Furey TS, Franke L, Han J, Hunter DJ, Karjalainen J, Karpe F, Kaplan RC, Kooner JS, McCarthy MI, Murabito JM, Morris AP, Bishop JA, **North KE**, Ohlsson C, Ong KK, Prokopenko I, Richards JB, Schadt EE, Spector TD, Widén E, Willer CJ, Yang J, Ingelsson E, Mohlke KL, Hirschhorn JN, Pospisilik JA, Zillikens MC, Lindgren C, Kilpeläinen TO, Loos RJ. New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nature communications*. 2016; 7:10495. PubMed [journal] PMID: 26833246, PMCID: PMC4740398
  14. Kan M, Auer PL, Wang GT, Bucayas KL, Hooker S, Rodriguez A, Li B, Ellis J, Adrienne Cupples L, Ida Chen YD, Dupuis J, Fox CS, Gross MD, Smith JD, Heard-Costa N, Meigs JB, Pankow JS, Rotter JI, Siscovick D, Wilson JG, Shendure J, Jackson R, Peters U, Zhong H, Lin D, Hsu L, Franceschini N, Carlson C, Abecasis G, Gabriel S, Bamshad MJ, Altshuler D, Nickerson DA, **North KE**, Lange LA, Reiner AP, Leal SM. Rare variant associations with waist-to-hip ratio in European-American and African-American women from the NHLBI-Exome Sequencing Project. *European journal of human genetics : EJHG*. 2016; PubMed [journal] PMID: 26757982.
  15. Conomos MP, Laurie CA, Stilp AM, Gogarten SM, McHugh CP, Nelson SC, Sofer T, Fernández-Rhodes L, Justice AE, Graff M, Young KL, Seyerle AA, Avery CL, Taylor D, Rotter JI, Talavera GA, Daviglus ML, Wassertheil-Smoller S, Schneiderman N, Heiss G, Kaplan RC, Franceschini N, Reiner AP, Shaffer JR, Barr RG, Kerr KF, Browning SR, Browning BL, Weir BS, Avilés-Santa ML, Papanicolaou GJ, Lumley T, Szpiro AA, **North KE**, Rice K, Thornton TA, Laurie CC. Genetic Diversity and Association Studies in US Hispanic/Latino Populations: Applications in the Hispanic Community Health Study/Study of Latinos. *American journal of human genetics*. 2016; 98(1):165-84. PubMed [journal] PMID: 26748518, PMCID: PMC4716704

16. P Surendran\*, F Drenos\*, R Young\*, H Warren\*, JP Cook\*, AK Manning\*, N Grarup\*, X Sim\*, DR Barnes, K Witkowska, **North KE...**, AE Justice, et al. (2016) Large scale trans-ethnic meta-analyses identify novel rare and common variants associated with blood pressure and hypertension. Accepted in *Nat Gene*

2015

17. Gharib SA, Loth DW, Soler Artigas M, Birkland TP, Wilk JB, Wain LV, Brody JA, Obeidat M, Hancock DB, Tang W, Rawal R, Boezen HM, Imboden M, Huffman JE, Lahousse L, Alves AC, Manichaikul A, Hui J, Morrison AC, Ramasamy A, Smith AV, Gudnason V, Surakka I, Vitart V, Evans DM, Strachan DP, Deary IJ, Hofman A, Gläser S, Wilson JF, **North KE**, Zhao JH, Heckbert SR, Jarvis DL, Probst-Hensch N, Schulz H, Barr RG, Jarvelin MR, O'Connor GT, Kähönen M, Cassano PA, Hysi PG, Dupuis J, Hayward C, Psaty BM, Hall IP, Parks WC, Tobin MD, London SJ. Integrative pathway genomics of lung function and airflow obstruction. *Human molecular genetics*. 2015; 24(23):6836-48. PubMed [journal] PMID: 26395457, PMCID: PMC4643644.
18. Hägg S, Ganna A, Van Der Laan SW, Esko T, Pers TH, Locke AE, Berndt SI, Justice AE, Kahali B, Siemielink MA, Pasterkamp G, Strachan DP, Speliotes EK, **North KE**, Loos RJ, Hirschhorn JN, Pawitan Y, Ingelsson E. Gene-based meta-analysis of genome-wide association studies implicates new loci involved in obesity. *Human molecular genetics*. 2015; 24(23):6849-60. PubMed [journal] PMID: 26376864, PMCID: PMC4643645
19. Sampson JN, Wheeler WA, Yeager M, Panagiotou O, Wang Z, Berndt SI, Lan Q, Abnet CC, Amundadottir LT, Figueroa JD, Landi MT, Mirabello L, Savage SA, Taylor PR, De Vivo I, McGlynn KA, Purdue MP, Rajaraman P, Adami HO, Ahlbom A, Albanes D, Amary MF, An SJ, Andersson U, Andriole G Jr, Andrusis IL, Angelucci E, Ansell SM, Arici C, Armstrong BK, Arslan AA, Austin MA, Baris D, Barkauskas DA, Bassig BA, Becker N, Benavente Y, Benhamou S, Berg C, Van Den Berg D, Bernstein L, Bertrand KA, Birmann BM, Black A, Boeing H, Boffetta P, Boutron-Ruault MC, Bracci PM, Brinton L, Brooks-Wilson AR, Bueno-de-Mesquita HB, Burdett L, Buring J, Butler MA, Cai Q, Cancel-Tassin G, Canzian F, Carrato A, Carreon T, Carta A, Chan JK, Chang ET, Chang GC, Chang IS, Chang J, Chang-Claude J, Chen CJ, Chen CY, Chen C, Chen CH, Chen C, Chen H, Chen K, Chen KY, Chen KC, Chen Y, Chen YH, Chen YS, Chen YM, Chien LH, Chirlaque MD, Choi JE, Choi YY, Chow WH, Chung CC, Clavel J, Clavel-Chapelon F, Cocco P, Colt JS, Comperat E, Conde L, Connors JM, Conti D, Cortessis VK, Cotterchio M, Cozen W, Crouch S, Crous-Bou M, Cussenot O, Davis FG, Ding T, Diver WR, Dorransoro M, Dossus L, Duell EJ, Ennas MG, Erickson RL, Feychting M, Flanagan AM, Foretova L, Fraumeni JF Jr, Freedman ND, Beane Freeman LE, Fuchs C, Gago-Dominguez M, Gallinger S, Gao YT, Gapstur SM, Garcia-Closas M, García-Closas R, Gascoyne RD, Gastier-Foster J, Gaudet MM, Gaziano JM, Giffen C, Giles GG, Giovannucci E, Glimelius B, Goggins M, Gokgoz N, Goldstein AM, Gorlick R, Gross M, Grubb R 3rd, Gu J, Guan P, Gunter M, Guo H, Habermann TM, Haiman CA, Halai D, Hallmans G, Hassan M, Hattinger C, He Q, He X, Helzlsouer K, Henderson B, Henriksson R, Hjalgrim H, Hoffman-Bolton J, Hohensee C, Holford TR, Holly EA, Hong YC, Hoover RN, Horn-Ross PL, Hosain GM, Hosgood HD 3rd, Hsiao CF, Hu N, Hu W, Hu Z, Huang MS, Huerta JM, Hung JY, Hutchinson A, Inskip PD, Jackson RD, Jacobs EJ, Jenab M, Jeon HS, Ji BT, Jin G, Jin L, Johansen C, Johnson A, Jung YJ, Kaaks R, Kaminen A, Kane E, Kang CH, Karagas MR, Kelly RS, Khaw KT, Kim C, Kim HN, Kim JH, Kim JS, Kim YH, Kim YT, Kim YC, Kitahara CM, Klein AP, Klein RJ, Kogevinas M, Kohno T, Kolonel LN, Kooperberg C, Krickler A, Krogh V, Kunitoh H, Kurtz RC, Kweon SS, LaCroix A, Lawrence C, Lecanda F, Lee VH, Li D, Li H, Li J, Li YJ, Li Y, Liao LM, Liebow M, Lightfoot T, Lim WY, Lin CC, Lin D, Lindstrom S, Linet MS, Link BK, Liu C, Liu J, Liu L, Ljungberg B, Lloreta J, Di Lollo S, Lu D, Lund E, Malats N, Mannisto S, Le Marchand L, Marina N, Masala G, Mastrangelo G, Matsuo K, Maynadie M, McKay J, McKean-Cowdin R, Melbye M, Melin BS, Michaud DS, Mitsudomi T, Monnereau A, Montalvan R, Moore LE, Mortensen LM, Nieters A, **North KE**, Novak AJ, Oberg AL, Offit K, Oh IJ, Olson SH, Palli D, Pao W, Park IK, Park JY, Park KH, Patiño-García A, Pavanello S, Peeters PH, Perng RP, Peters U, Petersen GM, Picci P, Pike MC, Porru S, Prescott J, Prokunina-Olsson L, Qian B, Qiao YL, Rais M, Riboli E, Riby J, Risch HA, Rizzato C, Rodabough R, Roman E, Roupert M, Ruder AM, Sanjose Sd, Scelo G, Schned A, Schumacher F, Schwartz K, Schwenn M, Scotlandi K, Seow A, Serra C, Serra M, Sesso HD, Setiawan VW, Severi G, Severson RK, Shanafelt TD, Shen H, Shen W, Shin MH, Shiraiishi K, Shu XO, Siddiq A, Sierrasésúmagá L, Sihoe AD, Skibola CF, Smith A, Smith MT, Southey MC, Spinelli JJ, Staines A, Stampfer M, Stern MC, Stevens VL, Stolzenberg-Solomon RS, Su J, Su WC, Sund M, Sung JS, Sung SW, Tan W, Tang W, Tardón A, Thomas D, Thompson CA, Tinker LF, Tirabosco R, Tjønneland A, Travis RC, Trichopoulos D, Tsai FY, Tsai YH, Tucker M, Turner J, Vajdic CM, Vermeulen RC, Villano DJ, Vineis, Virtamo J, Visvanathan K, Wactawski-Wende J, Wang C, Wang CL, Wang JC, Wang J, Wei F, Weiderpass E, Weiner GJ, Weinstein S, Wentzensen N, White E, Witzig TE, Wolpin BM, Wong MP, Wu C, Wu G, Wu J, Wu T, Wu W, Wu X, Wu YL, Wunder JS, Xiang B, Xu J, Xu P, Yang PC, Yang TY, Ye Y, Yin Z, Yokota J, Yoon HI, Yu CJ, Yu H, Yu K,

- Yuan JM, Zelenetz A, Zeleniuch-Jacquotte A, Zhang XC, Zhang Y, Zhao X, Zhao Z, Zheng H, Zheng T, Zheng W, Zhou B, Zhu M, Zucca M, Boca SM, Cerhan JR, Ferri GM, Hartge P, Hsiung CA, Magnani C, Miligi L, Morton LM, Smedby KE, Teras LR, Vijai J, Wang SS, Brennan P, Caporaso NE, Hunter DJ, Kraft P, Rothman N, Silverman DT, Slager SL, Chanock SJ, Chatterjee N. Analysis of Heritability and Shared Heritability Based on Genome-Wide Association Studies for Thirteen Cancer Types. *Journal of the National Cancer Institute*. 2015; 107(12):djv279. PubMed [journal] PMID: 26464424, PMCID: PMC4806328
20. Young KL, Graff M, **North KE**, Richardson AS, Mohlke KL, Lange LA, Lange EM, Harris KM, Gordon-Larsen P. Interaction of smoking and obesity susceptibility loci on adolescent BMI: The National Longitudinal Study of Adolescent to Adult Health. *BMC genetics*. 2015; 16:131. PubMed [journal] PMID: 26537541, PMCID: PMC4634717
  21. Fretts AM, Follis JL, Nettleton JA, Lemaitre RN, Ngwa JS, Wojczynski MK, Kalafati IP, Varga TV, Frazier-Wood AC, Houston DK, Lahti J, Ericson U, van den Hooven EH, Mikkilä V, Kiefte-de Jong JC, Mozaffarian D, Rice K, Renström F, **North KE**, McKeown NM, Feitosa MF, Kanoni S, Smith CE, Garcia ME, Tiainen AM, Sonestedt E, Manichaikul A, van Rooij FJ, Dimitriou M, Raitakari O, Pankow JS, Djoussé L, Province MA, Hu FB, Lai CQ, Keller MF, Perälä MM, Rotter JI, Hofman A, Graff M, Kähönen M, Mukamal K, Johansson I, Ordovas JM, Liu Y, Männistö S, Uitterlinden AG, Deloukas P, Seppälä I, Psaty BM, Cupples LA, Borecki IB, Franks PW, Arnett DK, Nalls MA, Eriksson JG, Orho-Melander M, Franco OH, Lehtimäki T, Dedoussis GV, Meigs JB, Siscovick DS. Consumption of meat is associated with higher fasting glucose and insulin concentrations regardless of glucose and insulin genetic risk scores: a meta-analysis of 50,345 Caucasians. *The American journal of clinical nutrition*. 2015; 102(5):1266-78. PubMed [journal] PMID: 26354543, PMCID: PMC4625584
  22. Gribble MO, Voruganti VS, Cole SA, Haack K, Balakrishnan P, Laston SL, Tellez-Plaza M, Francesconi KA, Goessler W, Umans JG, Thomas DC, Gilliland F, **North KE**, Franceschini N, Navas-Acien A. Linkage Analysis of Urine Arsenic Species Patterns in the Strong Heart Family Study. *Toxicological sciences : an official journal of the Society of Toxicology*. 2015; 148(1):89-100. PubMed [journal] PMID: 26209557, PMCID: PMC4731407
  23. Robinson MR, Hemani G, Medina-Gomez C, Mezzavilla M, Esko T, Shakhbazov K, Powell JE, Vinkhuyzen A, Berndt SI, Gustafsson S, Justice AE, Kahali B, Locke AE, Pers H, Vedantam S, Wood AR, van Rheenen W, Andreassen OA, Gasparini P, Metspalu A, Berg LH, Veldink JH, Rivadeneira F, Werge TM, Abecasis GR, Boomsma DI, Chasman DI, de Geus EJ, Frayling TM, Hirschhorn JN, Hottenga JJ, Ingelsson E, Loos RJ, Magnusson PK, Martin NG, Montgomery GW, **North KE**, Pedersen NL, Spector TD, Speliotes EK, Goddard ME, Yang J, Visscher PM. Population genetic differentiation of height and body mass index across Europe. *Nature genetics*. 2015; 47(11):1357-62. PubMed [journal] PMID: 26366552
  24. †± 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, Ehret GB, Ferreira T, Heard-Costa NL, Karjalainen J, Lagou V, Mahajan A, Neinast MD, Prokopenko I, Simino J, Teslovich TM, Jansen R, Westra HJ, White CC, Absher D, Ahluwalia TS, Ahmad S, Albrecht E, Alves AC, Bragg-Gresham JL, de Craen AJ, Bis JC, Bonnefond A, Boucher G, Cadby G, Cheng YC, Chiang CW, Delgado G, Demirkan A, Dueker N, Eklund N, Eiriksdottir G, Eriksson J, Feenstra B, Fischer K, Frau F, Galesloot TE, Geller F, Goel A, Gorski M, Grammer TB, Gustafsson S, Haitjema S, Hottenga JJ, Huffman JE, Jackson AU, Jacobs KB, Johansson Å, Kaakinen M, Kleber ME, Lahti J, Mateo Leach I, Lehne B, Liu Y, Lo KS, Lorentzon M, Luan J, Madden PA, Mangino M, McKnight B, Medina-Gomez C, Monda KL, Montasser ME, Müller G, Müller-Nurasyid M, Nolte IM, Panoutsopoulou K, Pascoe L, Paternoster L, Rayner NW, Renström F, Rizzi F, Rose LM, Ryan KA, Salo P, Sanna S, Scharnagl H, Shi J, Smith AV, Southam L, Stančáková A, Steinthorsdottir V, Strawbridge RJ, Sung YJ, Tachmazidou I, Tanaka T, Thorleifsson G, Trompet S, Pervjakova N, Tyrer JP, Vandenput L, van der Laan SW, van der Velde N, van Setten J, **vaan** Vliet-Ostaptchouk JV, Verweij N, Vlachopoulou E, Waite LL, Wang SR, Wang Z, Wild SH, Willenborg C, Wilson JF, Wong A, Yang J, Yengo L, Yerges-Armstrong LM, Yu L, Zhang W, Zhao JH, Andersson EA, Bakker SJ, Baldassarre D, Banasik K, Barcella M, Barlassina C, Bellis C, Benaglio P, Blangero J, Blüher M, Bonnet F, Bonnycastle LL, Boyd HA, Bruinenberg M, Buchman AS, Campbell H, Chen YD, Chines PS, laudi-Boehm S, Cole J, Collins FS, de Geus EJ, de Groot LC, Dimitriou M, Duan J, Enroth S, Eury E, Farmaki AE, Forouhi NG, Friedrich N, Gejman PV, Gigante B, Glorioso N, Go AS, Gottesman O, Gräßler J, Grallert H, Grarup N, Gu YM, Broer L, Ham AC, Hansen T, Harris TB, Hartman CA, Hassinen M, Hastie N, Hattersley AT, Heath AC, Henders AK, Hernandez D, Hillege H, Holmen O, Hovingh KG, Hui J, Husemoen LL, Hutri-Kähönen N, Hysi PG, Illig T, De Jager PL, Jalilzadeh S, Jørgensen T, Jukema JW, Juonala M, Kanoni S, Karaleftheri M, Khaw KT, Kinnunen L, Kittner SJ, Koenig W, Kolcic I, Kovacs P, Krarup NT, Kratzer W, Krüger J, Kuh D, Kumari M, Kyriakou T, Langenberg C, Lannfelt L, Lanzani C, Lotay V, Launer LJ, Leander K, Lindström J, Linneberg A, Liu YP, Lobbens S, Luben R, Lyssenko V, Männistö S, Magnusson PK,

- McArdle WL, Menni C, Merger S, Milani L, Montgomery GW, Morris AP, Narisu N, Nelis M, Ong KK, Palotie A, Pérusse L, Pichler I, Pilia MG, Pouta A, Rheinberger M, Ribel-Madsen R, Richards M, Rice KM, Rice TK, Rivolta C, Salomaa V, Sanders AR, Sarzynski MA, Scholtens S, Scott RA, Scott WR, Sebert S, Sengupta S, Sennblad B, Seufferlein T, Silveira A, Slagboom PE, Smit JH, Sparso TH, Stirrups K, Stolk RP, Stringham HM, Swertz MA, Swift AJ, Syvänen AC, Tan ST, Thorand B, Tönjes A, Tremblay A, Tsafantakis E, van der Most PJ, Völker U, Vohl MC, Vonk JM, Waldenberger M, Walker RW, Wennauer R, Widén E, Willemsen G, Wilsgaard T, Wright AF, Zillikens MC, van Dijk SC, van Schoor NM, Asselbergs FW, de Bakker PI, Beckmann JS, Beilby J, Bennett DA, Bergman RN, Bergmann S, Böger CA, Boehm BO, Boerwinkle E, Boomsma DI, Bornstein SR, Bottinger EP, Bouchard C, Chambers JC, Chanock SJ, Chasman DI, Cucca F, Cusi D, Dedoussis G, Erdmann J, Eriksson JG, Evans DA, de Faire U, Farrall M, Ferrucci L, Ford I, Franke L, Franks PW, Froguel P, Gansevoort RT, Gieger C, Grönberg H, Gudnason V, Gyllenstein U, Hall P, Hamsten A, van der Harst P, Hayward C, Heliövaara M, Hengstenberg C, Hicks AA, Hingorani A, Hofman A, Hu F, Huikuri HV, Hveem K, James AL, Jordan JM, Jula A, Kähönen M, Kajantie E, Kathiresan S, Kiemeny LA, Kivimäki M, Knekt PB, Koistinen HA, Kooner JS, Koskinen S, Kuusisto J, Maerz W, Martin NG, Laakso M, Lakka TA, Lehtimäki T, Lettre G, Levinson DF, Lind L, Lokki ML, Mäntyselkä P, Melbye M, Metspalu A, Mitchell BD, Moll FL, Murray JC, Musk AW, Nieminen MS, Njølstad I, Ohlsson C, Oldehinkel AJ, Oostra BA, Palmer LJ, Pankow JS, Pasterkamp G, Pedersen NL, Pedersen O, Penninx BW, Perola M, Peters A, Polašek O, Pramstaller PP, Psaty BM, Qi L, Quertermous T, Raitakari OT, Rankinen T, Rauramaa R, Ridker PM, Rioux JD, Rivadeneira F, Rotter JI, Rudan I, den Ruijter HM, Saltevo J, Sattar N, Schunkert H, Schwarz PE, Shuldiner AR, Sinisalo J, Snieder H, Sørensen TI, Spector TD, Staessen JA, Stefania B, Thorsteinsdottir U, Stumvoll M, Tardif JC, Tremoli E, Tuomilehto J, Uitterlinden AG, Uusitupa M, Verbeek AL, Vermeulen SH, Viikari JS, Vitart V, Völzke H, Vollenweider P, Waeber G, Walker M, Wallaschofski H, Wareham NJ, Watkins H, Zeggini E, Chakravarti A, Clegg DJ, Cupples LA, Gordon-Larsen P, Jaquish CE, Rao DC, Abecasis GR, Assimes TL, Barroso I, Berndt SI, Boehnke M, Deloukas P, Fox CS, Groop LC, Hunter DJ, Ingelsson E, Kaplan RC, McCarthy MI, Mohlke KL, O'Connell JR, Schlessinger D, Strachan DP, Stefansson K, van Duijn CM, Hirschhorn JN, Lindgren CM, Heid IM\*, **North KE\***, Borecki IB\*, Kutalik Z\*, Loos RJ\*. The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS genetics*. 2015; 11(10):e1005378. PubMed [journal] PMID: 26426971, PMCID: PMC4591371
25. Obeidat M, Hao K, Bossé Y, Nickle DC, Nie Y, Postma DS, Lavolette M, Sandford AJ, Daley DD, Hogg JC, Elliott WM, Fishbane N, Timens W, Hysi PG, Kaprio J, Wilson JF, Hui J, Rawal R, Schulz H, Stubbe B, Hayward C, Polasek O, Järvelin MR, hao JH, Jarvis D, Kähönen M, Franceschini N, **North KE**, Loth DW, Brusselle GG, Smith AV, Gudnason V, Bartz TM, Wilk JB, O'Connor GT, Cassano PA, Tang W, Wain LV, Soler Artigas M, Gharib SA, Strachan DP, Sin DD, Tobin MD, London SJ, Hall IP, Paré PD. Molecular mechanisms underlying variations in lung function: a systems genetics analysis. *The Lancet. Respiratory medicine*. 2015; 3(10):782-95. PubMed [journal] PMID: 26404118.
26. Lanktree MB, Elbers CC, Li Y, Zhang G, Duan Q, Karczewski KJ, Guo Y, Tragante V, **North KE**, Cushman M, Asselbergs FW, Wilson JG, Lange LA, Drenos F, Reiner AP, Barnes MR, Keating BJ. Genetic meta-analysis of 15,901 African Americans identifies variation in EXOC3L1 is associated with HDL concentration. *Journal of lipid research*. 2015; 56(9):1781-6. PubMed [journal] PMID: 26199122, PMCID: PMC4548782
27. Lai LY, Petrone AB, Pankow JS, Arnett DK, **North KE**, Ellison RC, Hunt SC, Rosenzweig JL, Djoussé L. Lack of association of apolipoprotein E (Apo E) polymorphism with the prevalence of metabolic syndrome: the National Heart, Lung and Blood Institute Family Heart Study. *Diabetes/metabolism research and reviews*. 2015; 31(6):582-7. NIHMSID: NIHMS745082 PubMed [journal] PMID: 25656378, PMCID: MC4720970
28. Nettleton JA, Follis JL, Ngwa JS, Smith CE, Ahmad S, Tanaka T, Wojczynski MK, Voortman T, Lemaitre RN, Kristiansson K, Nuotio ML, Houston DK, Perälä MM, Qi Q, Sonestedt E, Manichaikul A, Kanoni S, Ganna A, Mikkilä V, **North KE**, Siscovick DS, Harald K, Mckeown NM, Johansson I, Rissanen H, Liu Y, Lahti J, Hu FB, Bandinelli S, Rukh G, Rich S, Booi L, Dimitriou M, Ax E, Raitakari O, Mukamal K, Männistö S, Hallmans G, Jula A, Ericson U, Jacobs DR Jr, Van Rooij FJ, Deloukas P, Sjögren P, Kähönen M, Djousse L, Perola M, Barroso I, Hofman A, Stirrups K, Viikari J, Uitterlinden AG, Kalafati IP, Franco OH, Mozaffarian D, Salomaa V, Borecki IB, Knekt P, Kritchevsky SB, Eriksson JG, Dedoussis GV, Qi L, Ferrucci L, Orho-Melander M, Zillikens MC, Ingelsson E, Lehtimäki T, Renström F, Cupples LA, Loos RJ, Franks PW. Gene × dietary pattern interactions in obesity: analysis of up to 68 317 adults of European ancestry. *Human molecular genetics*. 2015; 24(16):4728-38. PubMed [journal] PMID: 25994509, PMCID: PMC4512626
29. Rao G, Powell-Wiley TM, Ancheta I, Hairston K, Kirley K, Lear SA, **North KE**, Palaniappan L, Rosal MC. Identification of Obesity and Cardiovascular Risk in Ethnically and Racially Diverse Populations: A Scientific



Statement From the American Heart Association. *Circulation*. 2015; 132(5):457-72. PubMed [journal] PMID: 26149446.

30. Joshi PK, Esko T, Mattsson H, Eklund N, Gandin I, Nutile T, Jackson AU, Schurmann C, Smith AV, Zhang W, Okada Y, Stančáková A, Faul JD, Zhao W, Bartz TM, Concas MP, Franceschini N, Enroth S, Vitart V, Trompet S, Guo X, Chasman DI, O'Connell JR, Corre T, Nongmaithem SS, Chen Y, Mangino M, Ruggiero D, Traglia M, Farmaki AE, Kacprowski T, Bjornes A, van der Spek A, Wu Y, Giri AK, Yanek LR, Wang L, Hofer E, Rietveld CA, McLeod O, Cornelis MC, Pattaro C, Verweij N, Baumbach C, Abdellaoui A, Warren HR, Vuckovic D, Mei H, Bouchard C, Perry JR, Cappellani S, Mirza SS, Benton MC, Broeckel U, Medland SE, Lind PA, Malerba G, Drong A, Yengo L, Bielak LF, Zhi D, van der Most PJ, Shriner D, Mägi R, Hemani G, Karaderi T, Wang Z, Liu T, Demuth I, Zhao JH, Meng W, Lataniotis L, van der Laan SW, Bradfield JP, Wood AR, Bonnefond A, Ahluwalia TS, Hall LM, Salvi E, Yazar S, Carstensen L, de Haan HG, Abney M, Afzal U, Allison MA, Amin N, Asselbergs FW, Bakker SJ, Barr RG, Baumeister SE, Benjamin DJ, Bergmann S, Boerwinkle E, Bottinger EP, Campbell A, Chakravarti A, Chan Y, Chanock SJ, Chen C, Chen YD, Collins FS, Connell J, Correa A, Cupples LA, Smith GD, Davies G, Dörr M, Ehret G, Ellis SB, Feenstra B, Feitosa MF, Ford I, Fox CS, Frayling TM, Friedrich N, Geller F, Scotland G, Gillham-Naseny I, Gottesman O, Graff M, Grodstein F, Gu C, Haley C, Hammond CJ, Harris SE, Harris TB, Hastie ND, Heard-Costa NL, Heikkilä K, Hocking LJ, Homuth G, Hottenga JJ, Huang J, Huffman JE, Hysi PG, Ikram MA, Ingelsson E, Joensuu A, Johansson Å, Jousilahti P, Jukema JW, Kähönen M, Kamatani Y, Kanoni S, Kerr SM, Khan NM, Koellinger P, Koistinen HA, Kooner MK, Kubo M, Kuusisto J, Lahti J, Launer LJ, Lea RA, Lehne B, Lehtimäki T, Liewald DC, Lind L, Oh M, Lokki ML, London SJ, Loomis SJ, Loukola A, Lu Y, Lumley T, Lundqvist A, Männistö S, Marques-Vidal P, Masciullo C, Matchan A, Mathias RA, Matsuda K, Meigs JB, Meisinger C, Meitinger T, Menni C, Mentch FD, Mihailov E, Milani L, Montasser ME, Montgomery GW, Morrison A, Myers RH, Nadukuru R, Navarro P, Nelis M, Nieminen MS, Nolte IM, O'Connor GT, Ogunniyi A, Padmanabhan S, Palmas WR, Pankow JS, Patarcic I, Pavani F, Peyser PA, Pietilainen K, Poulter N, Prokopenko I, Ralhan S, Redmond P, Rich SS, Rissanen H, Robino A, Rose LM, Rose R, Sala C, Salako B, Salomaa V, Sarin AP, Saxena R, Schmidt H, Scott LJ, Scott WR, Sennblad B, Seshadri S, Sever P, Shrestha S, Smith BH, Smith JA, Soranzo N, Sotoodehnia N, Southam L, Stanton AV, Stathopoulou MG, Strauch K, Strawbridge RJ, Suderman MJ, Tandon N, Tang ST, Taylor KD, Tayo BO, Töglhofer AM, Tomaszewski M, Tšernikova N, Tuomilehto J, Uitterlinden AG, Vaidya D, van Hylekama Vlieg A, van Setten J, Vasankari T, Vedantam S, Vlachopoulou E, Vozzi D, Vuoksimaa E, Waldenberger M, Ware EB, Wentworth-Shields W, Whitfield JB, Wild S, Willemsen G, Yajnik CS, Yao J, Zaza G, Zhu X, Salem RM, Melbye M, Bisgaard H, Samani NJ, Cusi D, Mackey DA, Cooper RS, Froguel P, Pasterkamp G, Grant SF, Hakonarson H, Ferrucci L, Scott RA, Morris AD, Palmer CN, Dedoussis G, Deloukas P, Bertram L, Lindenberg U, Berndt SI, Lindgren CM, Timpson NJ, Tönjes A, Munroe PB, Sørensen TI, Rotimi CN, Arnett DK, Oldehinkel AJ, Kardia SL, Balkau B, Gambaro G, Morris AP, Eriksson JG, Wright J, Martin NG, Hunt SC, Starr JM, Deary IJ, Griffiths LR, Tiemeier H, Pirastu N, Kaprio J, Wareham NJ, Pérusse L, Wilson JG, Girotto G, Caulfield MJ, Raitakari O, Boomsma DI, Gieger C, van der Harst P, Hicks AA, Kraft P, Sinisalo J, Knekt P, Johannesson M, Magnusson PK, Hamsten A, Schmidt R, Borecki IB, Vartiainen E, Becker DM, Bharadwaj D, Mohlke KL, Boehnke M, van Duijn CM, Sanghera DK, Teumer A, Zeggini E, Metspalu A, Gasparini P, Ulivi S, Ober C, Toniolo D, Rudan I, Porteous DJ, Ciullo M, Spector TD, Hayward C, Dupuis J, Loos RJ, Wright AF, Chandak GR, Vollenweider P, Shuldiner AR, Ridker PM, Rotter JI, Sattar N, Gyllenstein U, **North KE**, Pirastu M, Psaty BM, Weir DR, Laakso M, Gudnason V, Takahashi A, Chambers JC, Kooner JS, Strachan DP, Campbell H, Hirschhorn JN, Perola M, Polašek O, Wilson JF. Directional dominance on stature and cognition in diverse human populations. *Nature*. 2015; 523(7561):459-62. NIHMSID: EMS63641 PubMed [journal] PMID: 26131930, PMCID: PMC4516141
31. Tao R, Zeng D, Franceschini N, **North KE**, Boerwinkle E, Lin DY. Analysis of Sequence Data Under Multivariate Trait-Dependent Sampling. *Journal of the American Statistical Association*. 2015; 110(510):560-572. NIHMSID: NIHMS657435 PubMed [journal] PMID: 26366025, PMCID: PMC4565625
32. Cornelis MC, Byrne EM, Esko T, Nalls MA, Ganna A, Paynter N, Monda KL, Amin N, Fischer K, Renstrom F, Ngwa JS, Huikari V, Cavadino A, Nolte IM, Teumer A, Yu K, Marques-Vidal P, Rawal R, Manichaikul A, Wojczynski MK, Vink JM, Zhao JH, Burlutsky G, Lahti J, Mikkilä V, Lemaitre RN, Eriksson J, Musani SK, Tanaka T, Geller F, Luan J, Hui J, Mägi R, Dimitriou M, Garcia ME, Ho WK, Wright MJ, Rose LM, Magnusson PK, Pedersen NL, Couper D, Oostra BA, Hofman A, Ikram MA, Tiemeier HW, Uitterlinden AG, van Rooij FJ, Barroso I, Johansson I, Xue L, Kaakinen M, Milani L, Power C, Snieder H, Stolk RP, Baumeister SE, Biffar R, Gu F, Bastardot F, Kutalik Z, Jacobs DR Jr, Forouhi NG, Mihailov E, Lind L, Lindgren C, Michaëlsson K, Morris A, Jensen M, Khaw KT, Luben RN, Wang JJ, Männistö S, Perälä MM, Kähönen M, Lehtimäki T, Viikari

J, Mozaffarian D, Mukamal K, Psaty BM, Döring A, Heath AC, Montgomery GW, Dahmen N, Carithers T, Tucker KL, Ferrucci L, Boyd HA, Melbye M, Treur JL, Mellström D, Hottenga JJ, Prokopenko I, Tönjes A, Deloukas P, Kanoni S, Lorentzon M, Houston DK, Liu Y, Danesh J, Rasheed A, Mason MA, Zonderman AB, Franke L, Kristal BS, Karjalainen J, Reed DR, Westra HJ, Evans MK, Saleheen D, Harris TB, Dedoussis G, Curhan G, Stumvoll M, Beilby J, Pasquale LR, Feenstra B, Bandinelli S, Ordovas JM, Chan AT, Peters U, Ohlsson C, Gieger C, Martin NG, Waldenberger M, Siscovick DS, Raitakari O, Eriksson JG, Mitchell P, Hunter DJ, Kraft P, Rimm EB, Boomsma DI, Borecki IB, Loos RJ, Wareham NJ, Ollenweider P, Caporaso N, Grabe HJ, Neuhauser ML, Wolfenbittel BH, Hu FB, Hyppönen E, Järvelin MR, Cupples LA, Franks PW, Ridker PM, van Duijn CM, Heiss G, Metspalu A, **North KE**, Ingelsson E, Nettleton JA, van Dam RM, Chasman DI. genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. *Molecular psychiatry*. 2015; 20(5):647-56. NIHMSID: NIHMS648794 PubMed [journal] PMID: 25288136, PMCID: PMC4388784

33. Shungin D, Cornelis MC, Divaris K, Holtfreter B, Shaffer JR, Yu YH, Barros SP, Beck JD, Biffar R, Boerwinkle EA, Crout RJ, Ganna A, Hallmans G, Hindy G, Hu FB, Kraft P, McNeil DW, Melander O, Moss KL, **North KE**, Orho-Melander M, Pedersen NL, Ridker PM, Rimm EB, Rose LM, Rukh G, Teumer A, Weyant RJ, Chasman DI, Joshipura K, Kocher T, Magnusson PK, Marazita ML, Nilsson P, Offenbacher S, Davey Smith G, Lundberg P, Palmer TM, Timpson NJ, Johansson I, Franks PW. Using genetics to test the causal relationship of total adiposity and periodontitis: Mendelian randomization analyses in the Gene-Lifestyle Interactions and Dental Endpoints (GLIDE) Consortium. *International journal of epidemiology*. 2015; 44(2):638-50. PubMed [journal] PMID: 26050256, PMCID: PMC4817600

34. Holmes MV, Asselbergs FW, Palmer TM, Drenos F, Lanktree MB, Nelson CP, Dale CE, Padmanabhan S, Finan C, Swerdlow DI, Tragante V, van Iperen EP, Sivapalaratnam S, Shah S, Elbers CC, Shah T, Engmann J, Giambartolomei C, White J, Zabaneh D, Sofat R, McLachlan S, Doevendans PA, Balmforth AJ, Hall AS, **North KE**, Almoguera B, Hooijveen RC, Cushman M, Fornage M, Patel SR, Redline S, Siscovick DS, Tsai MY, Karczewski KJ, Hofker MH, Verschuren WM, Bots ML, van der Schouw YT, Melander O, Dominiczak AF, Morris R, Ben-Shlomo Y, Price J, Kumari M, Baumert J, Peters A, Thorand B, Koenig W, Gaunt TR, Humphries SE, Clarke R, Watkins H, Farrall M, Wilson JG, Rich SS, de Bakker PI, Lange LA, Davey Smith G, Reiner AP, Talmud PJ, Kivimäki M, Lawlor DA, Dudbridge F, Samani NJ, Keating BJ, Hingorani AD, Casas JP. Mendelian randomization of blood lipids for coronary heart disease. *European heart journal*. 2015; 36(9):539-50. PubMed [journal] PMID: 24474739, PMCID: PMC4344957

35. † ±Locke AE\*, Kahali B\*, Berndt SI\*, Justice AE\*, Pers TH, Day FR, Powell C, Vedantam S, Buchkovich ML, Yang J, Croteau-Chonka DC, Esko T, Fall T, Ferreira T, Gustafsson S, Kutalik Z, Luan J, Mägi R, Randall JC, Winkler TW, Wood AR, Workalemahu T, Faul JD, Smith JA, Hua Zhao J, Zhao W, Chen J, Fehrmann R, Hedman ÅK, Karjalainen J, Schmidt EM, Absher D, Amin N, Anderson D, Beekman M, Bolton JL, Bragg-Gresham JL, Buyske S, Demirkan A, Deng G, Ehret GB, Feenstra B, Feitosa MF, Fischer K, Goel A, Gong J, Jackson AU, Kanoni S, Kleber ME, Kristiansson K, Lim U, Lotay V, Mangino M, Mateo Leach I, Medina-Gomez C, Medland SE, Nalls MA, Palmer CD, Pasko D, Pechlivanis S, Peters MJ, Prokopenko I, Shungin D, Stančáková A, Strawbridge RJ, Ju Sung Y, Tanaka T, Teumer A, Trompet S, van der Laan SW, van Setten J, Van Vliet-Ostaptchouk JV, Wang Z, Yengo L, Zhang W, Isaacs A, Albrecht E, Ärnlöv J, Arscott GM, Attwood AP, Bandinelli S, Barrett A, Bas IN, Bellis C, Bennett AJ, Berne C, Blagieva R, Blüher M, Böhringer S, Bonnycastle LL, Böttcher Y, Boyd HA, Bruinenberg M, Caspersen IH, Ida Chen YD, Clarke R, Daw EW, de Craen AJ, Delgado G, Dimitriou M, Doney AS, Eklund N, Estrada K, Eury E, Folkersen L, Fraser RM, Garcia ME, Geller F, Giedraitis V, Gigante B, Go AS, Golay A, Goodall AH, Gordon SD, Gorski M, Grabe HJ, Grallert H, Grammer TB, Gräßler J, Grönberg H, Groves CJ, Gusto G, Haessler J, Hall P, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heard-Costa NL, Helmer Q, Hengstenberg C, Holmen O, Hottenga JJ, James

AL, Jeff JM, Johansson Å, Jolley J, Juliusdottir T, Kinnunen L, Koenig W, Koskenvuo M, Kratzer W, Laitinen J, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Sin Lo K, Lobbens S, Lorbeer R, Lu Y, Mach F, Magnusson PK, Mahajan A, McArdle WL, McLachlan S, Menni C, Merger S, Mihailov E, Milani L, Moayyeri A, Monda KL, Morken MA, Mulas A, Müller G, Müller-Nurasyid M, Musk AW, Nagaraja R, Nöthen MM, Nolte IM, Pilz S, Rayner NW, Renstrom F, Rettig R, Ried JS, Ripke S, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Schumacher FR, Scott WR, Seufferlein T, Shi J, Vernon Smith A, Smolonska J, Stanton AV, Steinthorsdottir V, Stirrups K, Stringham HM, Sundström J, Swertz MA, Swift AJ, Syvänen AC, Tan ST, Tayo BO, Thorand B, Thorleifsson G, Tyrer JP, Uh HW, Vandenput L, Verhulst FC, Vermeulen SH, Verweij N, Vonk JM, Waite LL, Warren HR, Waterworth D, Weedon MN, Wilkens LR, Willenborg C, Wilsgaard T, Wojczynski MK, Wong A, Wright AF, Zhang Q, Brennan EP, Choi M, Dastani Z, Drong AW, Eriksson P, Franco-Cereceda A, Gådin JR, Gharavi AG, Goddard ME, Handsaker RE, Huang J, Karpe F, Kathiresan S, Keildson S, Kiryluk K, Kubo M, Lee JY, Liang L, Lifton RP, Ma B, McCarroll SA, McKnight AJ, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt DR, Okada Y, Perry JR, Dorajoo R, Reinmaa E, Salem RM, Sandholm N, Scott RA, Stolk L, Takahashi A, Tanaka T, Van't Hooft FM, Vinkhuyzen AA, Westra HJ, Zheng W, Zondervan KT, Heath AC, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Blangero J, Bovet P, Campbell H, Caulfield MJ, Cesana G, Chakravarti A, Chasman DI, Chines PS, Collins FS, Crawford DC, Cupples LA, Cusi D, Danesh J, de Faire U, den Ruijter HM, Dominiczak AF, Erbel R, Erdmann J, Eriksson JG, Farrall M, Felix SB, Ferrannini E, Ferrières J, Ford I, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gejman PV, Gieger C, Gottesman O, Gudnason V, Gyllensten U, Hall AS, Harris TB, Hattersley AT, Hicks AA, Hindorf LA, Hingorani AD, Hofman A, Homuth G, Hovingh GK, Humphries SE, Hunt SC, Hyppönen E, Illig T, Jacobs KB, Jarvelin MR, Jöckel KH, Johansen B, Jousilahti P, Jukema JW, Jula AM, Kaprio J, Kastelein JJ, Keinanen-Kiukkaanniemi SM, Kiemeny LA, Knekt P, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Moll FL, Morris AD, Morris AP, Murray JC, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Madden PA, Pasterkamp G, Peden JF, Peters A, Postma DS, Pramstaller PP, Price JF, Qi L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Rioux JD, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schunkert H, Schwarz PE, Sever P, Shuldiner AR, Sinisalo J, Stolk RP, Strauch K, Tönjes A, Trégouët DA, Tremblay A, Tremoli E, Virtamo J, Vohl MC, Völker U, Waeber G, Willemsen G, Witteman JC, Zillikens MC, Adair LS, Amouyel P, Asselbergs FW, Assimes TL, Bochud M, Boehm BO, Boerwinkle E, Bornstein SR, Bottinger EP, Bouchard C, Cauchi S, Chambers JC, Chanoock SJ, Cooper RS, de Bakker PI, Dedoussis G, Ferrucci L, Franks PW, Froguel P, Groop LC, Haiman CA, Hamsten A, Hui J, Hunter DJ, Hveem K, Kaplan RC, Kivimaki M, Kuh D, Laakso M, Liu Y, Martin NG, März W, Melbye M, Metspalu A, Moebus S, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sattar N, Schadt EE, Schlessinger D, Slagboom PE, Snieder H, Spector TD, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, van der Harst P, Walker M, Wallaschofski H, Wareham NJ, Watkins H, Weir DR, Wichmann HE, Wilson JF, Zanen P, Borecki IB, Deloukas P, Fox CS, Heid IM, O'Connell JR, Strachan DP, Stefansson K, van Duijn CM, Abecasis GR, Franke L, Frayling TM, McCarthy MI, Visscher PM, Scherag A, Willer CJ, Boehnke M, Mohlke KL, Lindgren CM, Beckmann JS, Barroso I, **North KE**, Ingelsson E, Hirschhorn JN, Loos RJ, Speliotes EK. Genetic studies of body mass index yield new insights for obesity biology. *Nature*. 2015; 518(7538):197-206. NIHMSID: NIHMS668049 PubMed [journal] PMID: 25673413, PMCID: PMC4382211

36. Shungin D, Winkler TW, Croteau-Chonka DC, Ferreira T, Locke AE, Mägi R,

Strawbridge RJ, Pers TH, Fischer K, Justice AE, Workalemahu T, Wu JM, Buchkovich ML, Heard-Costa NL, Roman TS, Drong AW, Song C, Gustafsson S, Day FR, Esko T, Fall T, Kutalik Z, Luan J, Randall JC, Scherag A, Vedantam S, Wood AR, Chen J, Fehrmann R, Karjalainen J, Kahali B, Liu CT, Schmidt EM, Absher D, Amin N, Anderson D, Beekman M, Bragg-Gresham JL, Buyske S, Demirkan A, Ehret GB, Feitosa MF, Goel A, Jackson AU, Johnson T, Kleber ME, Kristiansson K, Mangino M, Mateo Leach I, Medina-Gomez C, Palmer CD, Pasko D, Pechlivanis S, Peters MJ, Prokopenko I, Stančáková A, Ju Sung Y, Tanaka T, Teumer A, Van Vliet-Ostaptchouk JV, Yengo L, Zhang W, Albrecht E, Ärnlöv J, Arscott GM, Bandinelli S, Barrett A, Bellis C, Bennett AJ, Berne C, Blüher M, Böhringer S, Bonnet F, Böttcher Y, Bruinenberg M, Carba DB, Caspersen IH, Clarke R, Daw EW, Deelen J, Deelman E, Delgado G, Doney AS, Eklund N, Erdos MR, Estrada K, Eury E, Friedrich N, Garcia ME, Giedraitis V, Gigante B, Go AS, Golay A, Grallert H, Grammer TB, Gräßler J, Grewal J, Groves CJ, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heikkilä K, Herzig KH, Helmer Q, Hillege HL, Holmen O, Hunt SC, Isaacs A, Ittermann T, James AL, Johansson I, Juliusdottir T, Kalafati IP, Kinnunen L, Koenig W, Kooner IK, Kratzer W, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Lobbens S, Lorentzon M, Mach F, Magnusson PK, Mahajan A, McArdle WL, Menni C, Merger S, Mihailov E, Milani L, Mills R, Moayyeri A, Monda KL, Mooijaart SP, Mühleisen TW, Mulas A, Müller G, Müller-Nurasyid M, Nagaraja R, Nalls MA, Narisu N, Glorioso N, Nolte IM, Olden M, Rayner NW, Renstrom F, Ried JS, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Sennblad B, Seufferlein T, Sitlani CM, Vernon Smith A, Stirrups K, Stringham HM, Sundström J, Swertz MA, Swift AJ, Syvänen AC, Tayo BO, Thorand B, Thorleifsson G, Tomaschitz A, Troffa C, van Oort FV, Verweij N, Vonk JM, Waite LL, Wennauer R, Wilsgaard T, Wojczynski MK, Wong A, Zhang Q, Hua Zhao J, Brennan EP, Choi M, Eriksson P, Folkersen L, Franco-Cereceda A, Gharavi AG, Hedman ÅK, Hivert MF, Huang J, Kanoni S, Karpe F, Keildson S, Kiryluk K, Liang L, Lifton RP, Ma B, McKnight AJ, McPherson R, Metspalu A, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt DR, Olsson C, Perry JR, Reinmaa E, Salem RM, Sandholm N, Schadt EE, Scott RA, Stolk L, Vallejo EE, Westra HJ, Zondervan KT, Amouyel P, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Blangero J, Brown MJ, Burnier M, Campbell H, Chakravarti A, Chines PS, Claudi-Boehm S, Collins FS, Crawford DC, Danesh J, de Faire U, de Geus EJ, Dörr M, Erbel R, Eriksson JG, Farrall M, Ferrannini E, Ferrières J, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gieger C, Gudnason V, Haiman CA, Harris TB, Hattersley AT, Heliövaara M, Hicks AA, Hingorani AD, Hoffmann W, Hofman A, Homuth G, Humphries SE, Hyppönen E, Illig T, Jarvelin MR, Johansen B, Jousilahti P, Jula AM, Kaprio J, Kee F, Keinanen-Kiukaanniemi SM, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuulasmaa K, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Musk AW, Möhlenkamp S, Morris AD, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Palmer LJ, Penninx BW, Peters A, Pramstaller PP, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schwarz PE, Shuldiner AR, Staessen JA, Steinthorsdottir V, Stolk RP, Strauch K, Tönjes A, Tremblay A, Tremoli E, Vohl MC, Völker U, Vollenweider P, Wilson JF, Witteman JC, Adair LS, Bochud M, Boehm BO, Bornstein SR, Bouchard C, Cauchi S, Caulfield MJ, Chambers JC, Chasman DI, Cooper RS, Dedoussis G, Ferrucci L, Froguel P, Grabe HJ, Hamsten A, Hui J, Hveem K, Jöckel KH, Kivimäki M, Kuh D, Laakso M, Liu Y, März W, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sinisalo J, Slagboom PE, Snieder H, Spector TD, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, van der Harst P, Veronesi G, Walker M, Wareham NJ, Watkins H, Wichmann HE, Abecasis GR, Assimes TL, Berndt SI, Boehnke M, Borecki IB, Deloukas P, Franke L, Frayling TM, Groop LC, Hunter DJ, Kaplan RC, O'Connell JR, Qi L, Schlessinger D, Strachan DP, Stefansson K, van Duijn CM, Willer CJ,

Visscher PM, Yang J, Hirschhorn JN, Zillikens MC, McCarthy MI, Speliotes EK, **North KE**, Fox CS, Barroso I, Franks PW, Ingelsson E, Heid IM, Loos RJ, Cupples LA, Morris AP, Lindgren CM, Mohlke KL. New genetic loci link adipose and insulin biology to body fat distribution. *Nature*. 2015; 518(7538):187-96. NIHMSID: EMS61357 PubMed [journal] PMID: 25673412, PMCID: PMC4338562

37. Tsai CW, **North KE**, Tin A, Haack K, Franceschini N, Saroja Voruganti V, Laston S, Zhang Y, Best LG, MacCluer JW, Beaty TH, Navas-Acien A, Kao WH, Howard BV. Both rare and common variants in PCSK9 influence plasma low-density lipoprotein cholesterol level in American Indians. *The Journal of clinical endocrinology and metabolism*. 2015; 100(2):E345-9. PubMed [journal] PMID: 25412415, PMCID: PMC4318886

38. Vijai J, Wang Z, Berndt SI, Skibola CF, Slager SL, de Sanjose S, Melbye M, Glimelius B, Bracci PM, Conde L, Birmann BM, Wang SS, Brooks-Wilson AR, Lan Q, de Bakker PI, Vermeulen RC, Portlock C, Ansell SM, Link BK, Riby J, **North KE**, Gu J, Hjalgrim H, Cozen W, Becker N, Teras LR, Spinelli JJ, Turner J, Zhang Y, Purdue MP, Giles GG, Kelly RS, Zeleniuch-Jacquotte A, Ennas MG, Monnereau A, Bertrand KA, Albanes D, Lightfoot T, Yeager M, Chung CC, Burdett L, Hutchinson A, Lawrence C, Montalvan R, Liang L, Huang J, Ma B, Villano DJ, Maria A, Corines M, Thomas T, Novak AJ, Dogan A, Liebow M, Thompson CA, Witzig TE, Habermann TM, Weiner GJ, Smith MT, Holly EA, Jackson RD, Tinker LF, Ye Y, Adami HO, Smedby KE, De Roos AJ, Hartge P, Morton LM, Severson RK, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, McKay J, Staines A, Diver WR, Vajdic CM, Armstrong BK, Krickler A, Zheng T, Holford TR, Severi G, Vineis P, Ferri GM, Ricco R, Miligi L, Clavel J, Giovannucci E, Kraft P, Virtamo J, Smith A, Kane E, Roman E, Chiu BC, Fraumeni JF, Wu X, Cerhan JR, Offit K, Chanock SJ, Rothman N, Nieters A. A genome-wide association study of marginal zone lymphoma shows association to the HLA region. *Nature communications*. 2015; 6:5751. NIHMSID: NIHMS640498 PubMed [journal] PMID: 25569183, PMCID: PMC4287989

39. Giri A, Wu JM, Ward RM, Hartmann KE, Park AJ, **North KE**, Graff M, Wallace RB, Barch G, Qi L, O'Sullivan MJ, Reiner AP, Edwards TL, Velez Edwards DR. Genetic Determinants of Pelvic Organ Prolapse among African American and Hispanic Women in the Women's Health Initiative. *PloS one*. 2015; 10(11):e0141647. PubMed [journal] PMID: 26545240, PMCID: PMC4636147

40. Demerath EW, Guan W, Grove ML, Aslibekyan S, Mendelson M, Zhou YH, Hedman ÅK, Sandling JK, Li LA, Irvin MR, Zhi D, Deloukas P, Liang L, Liu C, Bressler J, Spector TD, **North K**, Li Y, Absher DM, Levy D, Arnett DK, Fornage M, Pankow JS, Boerwinkle E. Epigenome-wide Association Study (EWAS) of BMI, BMI Change, and Waist Circumference in African American Adults Identifies Multiple Replicated Loci. *Hum Mol Genet*. 2015 May 1. pii: ddv161. [Epub ahead of print] PMID: 25935004 [PubMed - as supplied by publisher]

## 2014

41. Loth DW, Artigas MS, Gharib SA, Wain LV, Franceschini N, Koch B, Pottinger TD, Smith AV, Duan Q, Oldmeadow C, Lee MK, Strachan DP, James AL, Huffman JE, Vitart V, Ramasamy A, Wareham NJ, Kaprio J, Wang XQ, Trochet H, Kähönen M, Flexeder C, Albrecht E, Lopez LM, de Jong K, Thyagarajan B, Alves AC, Enroth S, Omenaas E, Joshi PK, Fall T, Viñuela A, Launer LJ, Loehr LR, Fornage M, Li G, Wilk JB, Tang W, Manichaikul A, Lahousse L, Harris TB, **North KE**, Rudnicka AR, Hui J, Gu X, Lumley T, Wright AF, Hastie ND, Campbell S, Kumar R, Pin I, Scott RA, Pietiläinen KH, Surakka I, Liu Y, Holliday EG, Schulz H, Heinrich J, Davies G, Vonk JM, Wojczynski M, Pouta A, Johansson A, Wild SH, Ingelsson E, Rivadeneira F, Völzke H, Hysi PG, Eiriksdottir G, Morrison AC, Rotter JI, Gao W, Postma DS, White WB, Rich SS, Hofman A, Aspelund T, Couper D, Smith LJ, Psaty BM, Lohman K, Burchard EG, Uitterlinden AG, Garcia M, Joubert BR, McArdle WL, Musk AB, Hansel N, Heckbert SR, Zgaga L, van Meurs JB, Navarro P, Rudan I, Oh YM, Redline S, Jarvis DL, Zhao JH, Rantanen T, O'Connor GT, Ripatti S, Scott RJ, Karrasch S, Grallert H, Gaddis NC, Starr JM, Wijmenga C, Minster RL, Lederer DJ, Pekkanen J, Gyllensten U, Campbell H, Morris

AP, Gläser S, Hammond CJ, Burkart KM, Beilby J, Kritchevsky SB, Gudnason V, Hancock DB, Williams OD, Polasek O, Zemunik T, Kolcic I, Petrini MF, Wjst M, Kim WJ, Porteous DJ, Scotland G, Smith BH, Viljanen A, Heliövaara M, Attia JR, Sayers I, Hampel R, Gieger C, Deary IJ, Boezen HM, Newman A, Jarvelin MR, Wilson JF, Lind L, Stricker BH, Teumer A, Spector TD, Melén E, Peters MJ, Lange LA, Barr RG, Bracke KR, Verhamme FM, Sung J, Hiemstra PS, Cassano PA, Sood A, Hayward C, Dupuis J, Hall IP, Brusselle GG, Tobin MD, London SJ. Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nat Genet.* 2014 Jul;46(7):669-77. doi: 10.1038/ng.3011. Epub 2014 Jun 15. PMID: 24929828 [PubMed - indexed for MEDLINE] PMCID: PMC4140093.

42. Kocarnik JM, Pendergrass, Carty CL, Pankow JM, Schumacher FR, Cheng I, Durda P, Ambite JL7, Deelman E, Cook NR, Liu S, Wactawski-Wende J, Hutter C, Brown-Gentry K, Wilson S, Best LG, Pankratz N, Hong C, Cole SA, Voruganti VS, Bůžková P, Jorgensen NW, Jenny NS, Wilkens LR, Haiman CA, Kolonel LN, LaCroix A, **North KE**, Jackson R, Le Marchand L, Hindorff LA, Crawford DC, Gross M, Peters. Multi-ancestral analysis of inflammation-related genetic variants and C-reactive protein in the Population Architecture using Genomics and Epidemiology (PAGE) Study. *Am J Hum Genet.* 2014 Feb 6;94(2):198-208. doi: 10.1016/j.ajhg.2013.12.014. Epub 2014 Jan 23. Erratum in: *Am J Hum Genet.* 2014 Feb 6;94(2):312. PMID: 24462370
43. Lin DY, Tao R, Kalsbeek WD, Zeng D, Gonzalez F, Fernández-Rhodes L, Graff M, Koch GG, **North KE**, Heiss G. Genetic association analysis under complex survey sampling: the Hispanic Community Health Study/Study of Latinos. *Am J Hum Genet.* 2014 Dec 4;95(6):675-88. doi: 10.1016/j.ajhg.2014.11.005.
44. Carty CL, Bhattacharjee S, Haessler J, Cheng I, Hindorff LA, Aroda V, Carlson CS, Hsu CN, Wilkens L, Liu S, Selvin E, Jackson R, **North KE**, Peters U, Pankow J, Chatterjee, Kooperberg C. Comparative analysis of metabolic syndrome components in over 15,000 African Americans identifies pleiotropic variants: results from the PAGE Study 2. Circulation Cardiovascular Genetics Submitted. *Circ Cardiovasc Genet.* 2014 Aug;7(4):505-13. doi: 10.1161/CIRCGENETICS.113.000386. Epub 2014 Jul 14. PMID: 25023634
45. ± Franceschini N, Tao R, Liu L, Rutherford S, Haack K, Almasy L, Göring HHH, Laston S, Lee ET, Best LG, Fabsitz R, Cole SA, **North KE**. Mapping of a Blood Pressure QTL on Chromosome 17 in American Indians of the Strong Heart Family Study. *BMC Cardiovasc Disord.* 2014 Nov 11;14:158. doi: 10.1186/1471-2261-14-158. PMID: 25387527.
46. Qi Q, Kilpeläinen TO, Downer MK, Tanaka T, Smith CE... **North, KE**... Orho-Melander M, Chasman DI, Franks PW, Sørensen TIA, Hu FB, Loos RJF, Nettleton J, Qi L. FTO genetic variants, dietary intake, and body mass index: insights from 177,330 individuals. *Hum Mol Genet.* 2014 Dec 20;23(25):6961-72. doi: 10.1093/hmg/ddu411. Epub 2014 Aug 7. PMID: 25104851
47. Franceschini N, Hu Y, Reiner AP, Buyske S, Nalls M, Yanek LR, Li Y, Hindorff LA, Cole AS, Howard BV, Andrews JS, Carty CL, Sethupathy P, Martin LW, Lin D, Johnson KC, Becker LC, **North KE**, Liu Y, Greenland P, Manson J, Maeda N, Heiss G, Harris TB, Becker DM, Kooperberg C, Boerwinkle E. Prospective associations of coronary heart disease loci in African Americans using the MetaboChip: the PAGE study. *PLoS One.* 2014 Dec 26;9(12):e113203. doi: 10.1371/journal.pone.0113203. eCollection 2014. PMID: 25542012.
48. W Tang\*, M Kowgier\*, DW Loth\*, M Soler Artigas\*, BR Joubert\*, E Hodge\*, SA Gharib\*, AV Smith, I Ruczinski, V Gudnason, RA Mathias, TB Harris, NN Hansel, LJ Launer, KC Barnes, JG Hansen, E Albrecht, MC Aldrich, M Allerhand, RG Barr, GG Brusselle, DJ Couper, I Curjuric, G Davies, IJ Deary, J Dupuis, T Fall, M Foy, N Franceschini, W Gao, S Gläser, X Gu, DB Hancock, J Heinrich, A Hofman, M Imboden, E Ingelsson, A James, S Karrasch, B Koch, SB Kritchevsky, A Kumar, L Lahousse, G Li, L Lind, C Lindgren, Y Liu, K Lohman, T Lumley, WL McArdle, B Meibohm, AP Morris, AC Morrison, B Musk, **North KE**, LJ Palmer, NM Probst-Hensch, BM Psaty, F Rivadeneira, JI Rotter, H Schulz, LJ Smith, A Sood, JM Starr, DP Strachan, A Teumer, AG Uitterlinden, H Völzke, A Voorman, LV Wain, MT Wells, JB Wilk, OD Williams, SR Heckbert, BH Stricker, SJ London, M Fornage\*\*, MD Tobin\*\*, GT O'Connor\*\*, IP Hall\*\*, PA Cassano\*\* Large-scale Genome-Wide Association Studies and Meta-analyses of Longitudinal Change in Adult Lung Function. \*These authors contributed equally to this work. \*\*These authors jointly directed the work. *PLoS One.* 2014 Jul 1;9(7):e100776. doi: 10.1371/journal.pone.0100776. eCollection 2014. PMID: 24983941
49. ± Y. Ma, K. L. Tucker, C. E. Smith, Y. C. Lee, T. Huang, K. Richardson, L. D. Parnell, C. Q. Lai, K.L. Young, A.

E. Justice, Y. Shao, **K. E. North**, J. M. Ordovás. (2014) Lipoprotein lipase variants interact with polyunsaturated fatty acids for obesity traits in women: replication in two populations. *Nutrition, Metabolism & Cardiovascular Diseases*, December, 2014; 24(12):1323-9.

50. Cerhan JR, Berndt SI, Vijai J, Ghesquières H, McKay J, Wang SS, Wang Z, Yeager M, Conde L, de Bakker PI, Nieters A, Cox D, Burdett L, Monnereau A, Flowers CR, De Roos AJ, Brooks-Wilson AR, Lan Q, Severi G, Melbye M, Gu J, Jackson RD, Kane E, Teras LR, Purdue MP, Vajdic CM, Spinelli JJ, Giles GG, Albanes D, Kelly RS, Zucca M, Bertrand KA, Zeleniuch-Jacquotte A, Lawrence C, Hutchinson A, Zhi D, Habermann TM, Link BK, Novak AJ, Dogan A, Asmann YW, Liebow M, Thompson CA, Ansell SM, Witzig TE, Weiner GJ, Veron AS, Zelenika D, Tilly H, Haioun C, Molina TJ, Hjalgrim H, Glimelius B, Adami HO, Bracci PM, Riby J, Smith MT, Holly EA, Cozen W, Hartge P, Morton LM, Severson RK, Tinker LF, **North KE**, Becker N, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, Staines A, Lightfoot T, Crouch S, Smith A, Roman E, Diver WR, Offit K, Zelenetz A, Klein RJ, Villano DJ, Zheng T, Zhang Y, Holford TR, Krickler A, Turner J, Southey MC, Clavel J, Virtamo J, Weinstein S, Riboli E, Vineis P, Kaaks R, Trichopoulos D, Vermeulen RC, Boeing H, Tjonneland A, Angelucci E, Di Lollo S, Rais M, Birmann BM, Laden F, Giovannucci E, Kraft P, Huang J, Ma B, Ye Y, Chiu BC, Sampson J, Liang L, Park JH, Chung CC, Weisenburger DD, Chatterjee N, Fraumeni JF Jr, Slager SL, Wu X, de Sanjose S, Smedby KE, Salles G, Skibola CF, Rothman N, Chanock SJ. Genome-wide association study identifies multiple susceptibility loci for diffuse large B cell lymphoma. *Nat Genet*. 2014 Nov;46(11):1233-8. doi: 10.1038/ng.3105. Epub 2014 Sep 28. PMID: 25261932 [PubMed - indexed for MEDLINE] PMCID: PMC4213349
51. Rhodin K, Divaris K, **North KE**, Barros SP, Moss K, Beck JD, Offenbacher S. Chronic periodontitis genome-wide association studies: gene-centric and gene set enrichment analyses. *J Dent Res*. 2014 Sep;93(9):882-90. doi: 10.1177/0022034514544506. Epub 2014 Jul 23. PMID: 25056994 [PubMed - indexed for MEDLINE]
52. Skibola CF, Berndt SI, Vijai J, Conde L, Wang Z, Yeager M, de Bakker PI, Birmann BM, Vajdic CM, Foo JN, Bracci PM, Vermeulen RC, Slager SL, de Sanjose S, Wang SS, Linet MS, Salles G, Lan Q, Severi G, Hjalgrim H, Lightfoot T, Melbye M, Gu J, Ghesquières H, Link BK, Morton LM, Holly EA, Smith A, Tinker LF, Teras LR, Krickler A, Becker N, Purdue MP, Spinelli JJ, Zhang Y, Giles GG, Vineis P, Monnereau A, Bertrand KA, Albanes D, Zeleniuch-Jacquotte A, Gabbas A, Chung CC, Burdett L, Hutchinson A, Lawrence C, Montalvan R, Liang L, Huang J, Ma B, Liu J, Adami HO, Glimelius B, Ye Y, Nowakowski GS, Dogan A, Thompson CA, Habermann TM, Novak AJ, Liebow M, Witzig TE, Weiner GJ, Schenk M, Hartge P, De Roos AJ, Cozen W, Zhi D, Akers NK, Riby J, Smith MT, Lacher M, Villano DJ, Maria A, Roman E, Kane E, Jackson RD, **North KE**, Diver WR, Turner J, Armstrong BK, Benavente Y, Boffetta P, Brennan P, Foretova L, Maynadie M, Staines A, McKay J, Brooks-Wilson AR, Zheng T, Holford TR, Chamosa S, Kaaks R, Kelly RS, Ohlsson B, Travis RC, Weiderpass E, Clavel J, Giovannucci E, Kraft P, Virtamo J, Mazza P, Cocco P, Ennas MG, Chiu BC, Fraumeni JF Jr, Nieters A, Offit K, Wu X, Cerhan JR, Smedby KE, Chanock SJ, Rothman N. Genome-wide association study identifies five susceptibility loci for follicular lymphoma outside the HLA region. *Am J Hum Genet*. 2014 Oct 2;95(4):462-71. doi: 10.1016/j.ajhg.2014.09.004. PMID: 25279986 [PubMed - indexed for MEDLINE] PMCID: PMC4185120.
53. Seyerle AA, Young AM, Jeff JM, Melton PE, Jorgensen NW, Lin Y, Carty CL, Deelman EW, Heckbert SR, Hindorf LA, Jackson RD, Martin LW, Okin PM, Perez MV, Psaty BM, Soliman EZ, Whitsel EA, **North KE**, Laston S, Kooperberg C, Avery CL. Evidence of Heterogeneity by Race/Ethnicity in Genetic Determinants of QT Interval: The Population Architecture Using Genomics and Epidemiology (PAGE) Study. *Epidemiology*. 2014 Nov;25(6):790-8. doi: 10.1097/EDE.000000000000168. PMID: 25166880 [PubMed - in process] PMCID: PMC4380285
54. Maitreyee Bose, Chong Wu, James S. Pankow, Ellen W. Demerath, Jan Bressler, Myriam Fornage, Megan L. Grove, Thomas H. Mosley, Chindo Hicks, **North KE**, Wen Hong Kao, Eric Boerwinkle, Weihua Guan. Evaluation of microarray-based DNA methylation measurement using technical replicates. *BMC Bioinformatics*. 2014 Sep 19;15:312. doi: 10.1186/1471-2105-15-312. PMID: 25239148; PMCID: PMC4180315
55. Bis JC, White CC, Franceschini N, Brody J, Zhang X, Muzny D, Santibanez J, Gibbs R, Liu X, Lin H, Boerwinkle E, Psaty BM, **North KE**, Cupples LA, O'Donnell CJ; CHARGE Subclinical Atherosclerosis Working Group. Sequencing of 2 subclinical atherosclerosis candidate regions in 3669 individuals: Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium Targeted Sequencing Study. *Circ Cardiovasc*

56. TG and HDL Working Group of the Exome Sequencing Project, National Heart, Lung, and Blood Institute, Crosby J, Peloso GM, Auer PL, Crosslin DR, Stitzel NO, Lang L, Lu Y, Tang Z, Zhang H, Hindy G, Masca N, Stirrups K, Kanoni S, Do R, Jun G, Hu Y, Kang HM, Xue C, Goel A, Farrall M, Duga S, Merlini AP, Asselta R, Girelli D, Martinelli N, Yin W, Reilly D, Speliotes E, Fox C, Hveem K, Hølem O, Nikpay M, NHLBI Exome Sequencing Project, Farlow DN, Assimes TL, Franceschini N, Robinson J, **North KE**, Martin L, DePristo M, Gupta N, Escher S, Jansson JH, Van Zuydam N, Palmer C, Wareham N, Koch W, Meitinger T, Peters A, Lieb W, Erbel R, König I, Kruppa J, Freggenhardt F, Gottesman O, Bottinger EP, O'Donnell CJ, Psaty BM, Ballantyne CM, Abecasis G, Ordovas JM, Melander O, Watkins H, Orho-Melander M, Ardissino D, Loos R, McPherson R, Willer CJ, Erdmann J, Hall AS, Samani NJ, Deloukas P, Schunkert H, Wilson JG, Kooperberg C, Rich SS, Tracy RP, Lin DY, Altshuler D, Gabriel S, Nickerson DA, Jarvik GP, Cupples A, Reiner AP, Boerwinkle E, Kathiresan S. Rare loss-of-function mutations in the APOC3 gene, plasma triglycerides, and risk for coronary heart disease. *New England Journal of Medicine* 2014 Jul 3;371(1):22-31. doi: 10.1056/NEJMoa1307095. Epub 2014 Jun 18. PMID: 24941081.
57. ±Liu CT, Buchkovich ML, Winkler TW, Heid IM; African Ancestry Anthropometry Genetics Consortium; GIANT Consortium, Borecki IB, Fox CS, Mohlke KL, North KE, Adrienne Cupples L. Multi-ethnic fine-mapping of 14 central adiposity loci. *Hum Mol Genet.* 2014 Sep 1;23(17):4738-44. doi: 10.1093/hmg/ddu183. Epub 2014 Apr 23. PMID:24760767 [PubMed - in process] PMCID:PMC4119415.
58. London S, Gao W, Gharib SA, Hancock DB, Wilk JB, House J, Gibbs R, Muzny DM, Lumley T, Franceschini N, **North KE**, Psaty BM, Kova CL, BS; Coresh J, Zhou Y, Heckbert S, Brody J, Morrison A, Dupuis J. *ADAM19* and *HTR4* variants in relation to pulmonary function: the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Targeted Sequencing Study. *Circ Cardiovasc Genet.* 2014 Jun;7(3):350-8. doi:m 10.1161/CIRCGENETICS.113.000066. PMID: 24951661
59. Du M, Auer PL, Jiao S, Haessler J, Altshuler D, Boerwinkle E, Carlson CS, Carty C, Curtis K, Franceschini N, Hsu L, Jackson R, Lange LA, Lettre G, Monda KA, Nickerson DA, Reiner AP, Rich S, Rosse SA, Willer CJ, Wilson JG, **North KE**, Kooperberg C, Heard-Costa N, Peters U. Whole-exome imputation of sequence variants identified two novel alleles associated with adult body height in African Americans. *Hum Mol Genet.* 2014 Dec 15;23(24):6607-15. doi: 10.1093/hmg/ddu361. Epub 2014 Jul 15. PMID: 25027330.
60. Holmes M, Lange L, Lanktree M, **North KE**, Castillo B, Buxbaum B, Chandrupatla H, Elbers C, Guo Y, Hoogeveen R, Li Y, Swerdlow D, Cushman M, Fornage M, Hakonarson H, Patel S, Redline S, Siscovick D, Tsai M, Wilson J, Rich S, van der Schouw Y, de Bakker P, Schadt E, Asselbergs F, Reiner A, Keating B. Association of body mass index with cardiometabolic traits and events: A Mendelian randomization analysis. *Am J Hum Genet.* 2014 Feb 6;94(2):198-208. doi: 10.1016/j.ajhg.2013.12.014. Epub 2014 Jan 23. Erratum in: *Am J Hum Genet.* 2014 Feb 6;94(2):312. PMID: 24462370
61. Park L, Fesinmeyer M, Timofeeva M, Caberto C, Kocarnik J, Han Y, Love S-A, Young A, Dumitrescu L, Lin Y, Goodloe R, Wilkens L, Hindorff L, Fowke J, Carty C, Buyske S, Schumacher F, Butler A, Biggs M, Dilks H, Deelman E, Cote M, Chen W, Pande M, Christiani D, Field J, Bickeboller H, Risch A, Heinrich J, Brennan P, Wang Y, Eisen T, Houlston R, Thun M, Albanes D, Caporaso N, Peters U, **North KE**, Heiss G, Crawford D, Bush W, Haiman C, Landi M, Hung R, Kooperberg C, Amos C, Le Marchand L, Cheng I. Pleiotropic Associations of risk variants identified for other cancers with lung cancer risk: The PAGE and TRICL consortia. *J Natl Cancer Inst* 2014 [Epub ahead of print] (8 pages)
62. Zubair N, Mayer-Davis EJ, Mendez MA, Mohlke KL, **North KE**, Adair LS. Genetic risk score and adiposity interact to influence triglyceride levels in a cohort of Filipino women. *Nutr Diabetes.* 2014 Jun 16;4:e118. doi: 10.1038/nutd.2014.16. PMID: 24932782 [PubMed] PMCID: PMC4079926
63. Kraja\* AT, Chasman DI, **North KE**, Reiner AP, Yanek LR, Kilpeläinen TO, Smith JA, Dehghan A, Dupuis J, Johnson AD, Feitosa MF, Tekola-Ayele F, ...Alizadeh, Prokopenko I, JMeigs JB, Borecki IB. Pleiotropic genes for metabolic syndrome and inflammation. *Mol Genet Metab.* 2014 Aug;112(4):317-38. doi:



64. †Yoneyama, S., Guo, Y., Lanktree, M.B., Barnes, M.R., Elbers, C.C., Karczewski, K.J., Padmanabhan, S., Bauer, F., Baumert, J., Beitelshes, A., Berenson, G.S., Boer, J.M.A., Burke, G., Cade, B., Chen, W., Cooper-Dehoff, R.M., Gaunt, T.R., Gieger, C., Gong, Y., Gorski, M., Heard-Costa, N., Johnson, T., Lamonte, M.J., McDonough, C., Monda, K.L., Onland-Moret, N.C., Nelson, C.P., O'Connell, J.R., Ordovas, J., Peter, I., Peters, A., Shaffer, J., Shen, H., Smith, E., Speilotes, L., Thomas, F., Thorand, B., Verschuren, W.M.M., Anand, S.S., Dominiczak, A., Davidson, K.W., Hegele, R.A., Heid, I., Hofker, M.H., Huggins, G.S., Illig, T., Johnson, J.A., Kirkland, S., the Look AHEAD Research Group, König, W., Langae, T.Y., McCaffery, J., Melander, O., Mitchell, B.D., Munroe, P., Murray, S.S., Papanicolaou, G., Redline, S., Reilly, M., Samani, N.J., Schork, N.J., van der Schouw, Y.T., Shimbo, D., Shuldiner, A.R., Tobin, M.D., Wijmenga, C., Yusuf, S., the GIANT Consortium, the CARE IBC Consortium, Hakonarson, H., Lange, L.A., Demerath, E.W., Fox, C.S., **North, KE**, Reiner, A.P., Keating, B., Taylor, K.C. 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 [PubMed - in process] PMCID:PMC3988452.
65. Lange L, Youna Hu Y, Zhang H, Xue C, Schmidt E, Tang Z, Bizon C, Lange E, Smith J, Turner E, Jun G, Kang H, Peloso G, Auer P, Li K, Flannick J, Fuchsberger C, Gaulton K, Lindgren C, Locke A, Manning A, Sim X, Rivas M, Holmen O, Gottesman O, Lu Y, Ruderfer D, Stahl E, Duan Q, Li Y, Durda P, Jiao S, Isaacs A, Hofman A, Bis J, Correa A, Griswold M, Jakobsdottir J, Smith A, Schreiner P, Feitosa M, Zhang Q, Huffman J, Crosby J, Wassel C, Do R, Franceschin N, Martin L, Robinson J, Assime T, Crosslin D, Rosenthal E, Tsai M, Rieder M, Farlow D, Folsom A, Lumley T, Fox E, Carlson C, Peters U, Jackson R, van Duijn C, Uitterlinden A, Levy D, Rotter J, Taylor H, Gudnason JV, Siscovick D, Fornage M, Borecki I, Hayward C, Rudan I, Bottinger E, Loos R, Sætrom P, Hveem K, Boehnke M, Groop L, McCarthy M, Meitinger T, Ballantyne C, Gabriel S, O'Donnell C, Post W, **North KE**, Reiner A, Boerwinkle E, Psaty B, Altshuler D, Lin D, Jarvik G, Cupples LA, Kooperberg C, Wilson J, Nickerson D, Goncalo R, Abecasis G, Stephen S, Rich S, Russell P, Tracy R, Willer C, on behalf of the NHLBI Exome Sequencing Project<sup>†</sup> Novel rare and low frequency coding variants associated with LDL cholesterol levels. *Am J Hum Genet* 2014; 94 (2): 233-45
66. Richardson AS, **North KE**, Graff M, Young KM, Mohlke KL, Lange LA, Lange EM, Harris KM, Gordon-Larsen P. Moderate to vigorous physical activity interactions with genetic variants and body mass index in a large US ethnically diverse cohort. *Pediatr Obes* 2014; 9 (2): e35-46 PMID:23529959. PMCID:PMC3707946.
67. †Ching-Ti Liu, Young K, Brody J, BA, Olden M, Wojczynski M, Heard-Costa N, Li G, Morrison A, Muzny D, Gibb R, Reid J, Shao Y, Zhou Y, Boerwinkle E, Heiss G, Wagenknecht L, McKnight B, Borecki I, Fox C, **North KE**, Cupples A. Sequence Variation in TMEM18 in Association with Body Mass Index: the Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Targeted Sequencing Study. *Circ Cardiovasc Genet*. 2014 Jun;7(3):344-9. doi: 10.1161/CIRCGENETICS.13.000067. PMID: 24951660
68. Park SL, Caberto CP, Lin Y, Goodloe RJ, Dumitrescu L, Love SA, Matise TC, Hindorff LA, Fowke JH, Schumacher FR, Beebe-Dimmer J, Chen C, Hou L, Thomas F, Deelman E, Han Y, Peters U, **North KE**, Heiss G, Crawford DC, Haiman CA, Wilkens LR, Bush WS, Kooperberg C, Cheng I, Le Marchand L. Association of cancer susceptibility variants with risk of multiple primary cancers: The population architecture using genomics and epidemiology study. *Cancer Epidemiol Biomarkers Prev*. 2014 Nov;23(11):2568-78. doi: 10.1158/1055-9965.EPI-14-0129. Epub 2014 Aug 19.
69. McCullough LE, Santella RM, Cleveland RJ, Millikan RC, Olshan AF, **North KE**, Bradshaw PT, Eng SM, Terry MB, Shen J, Crew KD, Rossner P Jr, Teitelbaum SL, Neugut AI, Gammon MD. Polymorphisms in DNA repair genes, recreational physical activity and breast cancer risk. *Int J Cancer* 2014; 134 (3): 654-63.
70. Voruganti VS, Franceschini N, Haack K, Laston S, Maccluer JW, Umans JG, Comuzzie AG, **North KE**, Cole SA. Replication of the effect of SLC2A9 genetic variation on serum uric acid levels in American Indians. *Eur J Hum Genet*. 2014 Jul;22(7):938-43. doi: 10.1038/ejhg.2013.264. Epub 2013 Dec 4. PMID: 24301058
71. Stuebe A, Wise A, Nguyen T, Herring A, **North KE**, Siega-Riz A. Maternal genotype and gestational diabetes. *Amer J Perinatol* 2014; 31 (1): 69-76 PMID: 23456907

72. Katz EG, Stevens J, Truesdale KP, Cai J, **North KE**, Steffen LM. Associations of body mass index with incident hypertension in American white, American black and Chinese Asian adults in early and middle adulthood: the Coronary Artery Risk Development in Young Adults (CARDIA) study, the Atherosclerosis Risk in Communities (ARIC) study and the People's Republic of China (PRC) study. *Asia Pac J Clin Nutr* 2013; 22 (4): 626-3
73. Hu YJ, Berndt SI, Gustafson S, Ganna A; Genetic Investigation of Anthropometric Traits (GIANT) Consortium, Hirschhorn J, **North KE**, Ingelsson E, Lin DY. Meta-analysis of Gene-Level Associations for Rare Variants Based on Single-Variant Statistics. *Am J Hum Genet* 2013; 93 (2): 236-48
74. Franceschini N, Haack K, Göring HH, Voruganti VS, Laston S, Almasy L, Lee ET, Best LG, Fabsitz RR, **North KE**, Maccluer JW, Meigs JB, Pankow JS, Cole SA. Epidemiology and genetic determinants of progressive deterioration of glycaemia in American Indians: the Strong Heart Family Study. *Diabetologia* 2013; 56 (10): 2194-202
75. Park SL, Cheng I, Pendergrass SA, Kucharska-Newton AM, Lim U, Ambite JL, Caberto CP, Monroe KR, Schumacher F, Hindorff LA, Oetjens MT, Wilson S, Goodloe RJ, Love SA, Henderson BE, Kolonel LN, Haiman CA, Crawford DC, **North KE**, Heiss G, Ritchie MD, Wilkens LR, Le Marchand L. Association of the FTO Obesity Risk Variant rs8050136 With Percentage of Energy Intake From Fat in Multiple Racial/Ethnic Populations: The PAGE Study. *Am J Epidemiol* 2013; 178 (5): 780-90
76. Dumitrescu L, Carty CL, Franceschini N, Hindorff LA, Cole SA, Bůžková P, Schumacher FR, Eaton CB, Goodloe RJ, Duggan DJ, Haessler J, Cochran B, Henderson BE, Cheng I, Johnson KC, Carlson CS, Love SA, Brown-Gentry K, Nato AQ Jr, Quibrera M, Anderson G, Shohet RV, Ambite JL, Wilkens LR, Marchand LL, Haiman CA, Buyske S, Kooperberg C, **North KE**, Fornage M, Crawford DC. Post-Genome-Wide Association Study Challenges for Lipid Traits: Describing Age as a Modifier of Gene-Lipid Associations in the Population Architecture Using Genomics and Epidemiology (PAGE) Study. *Ann Hum Genet* 2013; 77 (5): 416-25
77. Duan Q, Liu EY, Auer PL, Zhang G, Lange EM, Jun G, Bizon C, Jiao S, Buyske S, Franceschini N, Carlson CS, Hsu L, Reiner AP, Peters U, Haessler J, Curtis K, Wassel CL, Robinson JG, Martin LW, Haiman CA, Le Marchand L, Matise TC, Hindorff LA, Crawford DC, Assimes TL, Kang HM, Heiss G, Jackson RD, Kooperberg C, Wilson JG, Abecasis GR, **North KE**, Nickerson DA, Lange LA, Li Y. Imputation of coding variants in African Americans: better performance using data from the exome sequencing project. *Bioinformatics* 2013; 29 (21): 2744-9
78. Liu C, Monda K, Taylor K, Lange L, Demerath E, Wojczynski M, Ellis J, Vitolins M, Liu S, Papanicolaou G, Marguerite R, Irvin M, Xue L, Griffin P, Nalls M, Adeyemo A, Liu J, Li G, Ruiz-Narvaez E, Chen W, Chen F, Henderson B, Millikan R, Ambrosone C, Strom S, Guo X, Andrews J, Sun Y, Mosley T, Yanek L, Shriner D, Haritunians T, Rotter J, Speliotes E, Smith M, Rosenberg L, Mychaleckyj J, Nayak U, Spruill I, Garvey T, Pettaway C, Nyante S, Bandera E, Britton A, Zonderman A, Rasmussen-Torvik L, Chen Y, Ding J, Lohman K, Kritchevsky S, Zhao W, Peysers P, Kabagambe K, Broeckel U, Chen G, Zhou J, Wassertheil-Smoller S, Neuhauser M, Rampersaud E, Psaty B, Kooperberg C, Manson J, Kuller L, Ochs-Balcom H, Johnson K, Sucheston L, Ordova Js, Palmer J, Haiman C, McKnight B, Howard B, Becker D, Bielak L, Liu Y, Allison M, Grant S, Burke G, Patel S, Schreiner P, Borecki I, Evans M, Taylor H, Sale M, Howard V, Carlson C, Rotimi C, Cushman M, Harris T, Reiner A, Cupples A, **North KE**, Fox C. Genome-Wide Association of Body Fat Distribution in African Ancestry Populations Suggests New Loci. *PLoS Genetics* 2013; 9 (8): e1003681
79. Graff M, **North KE**, Richardson AS, Young KM, Mohlke KL, Lange LA, Lange EM, Harris KM, Gordon-Larsen P. Screen time behaviors may interact with obesity genes, independent of physical activity, to influence adolescent BMI in an ethnically diverse cohort. *Pediatr Obes* 2013; 8 (6): e74-e79
80. Stephens S, Hartz S, Hoft N, Saccone N, Corley R, Hewitt J, Christian J, Hopfer C, Breslau N, Coon H, Chen X, **North KE**, Madden P, Martin N, Stevens V, Weiss R, Kraft P, Bierut L, Ehring M. Distinct Loci in the CHRNA5/CHRNA3/CHRNA4 Gene Cluster are Associated with Onset of Regular Smoking. *Genet Epidemiol* 2013; 37 (8): 846-59

81. <sup>†\*</sup>Graff M, FernandezRhodes L, Simin Liu, Carlson C, Wassertheil-Smoller S, Neuhouser M, Reiner A, Kooperberg C, Rampersaud E, Manson J, Kuller L, Howard B, Ochs-Balcom H, Johnson K, Vitolins M, Sucheston L, Monda K, **North KE**. Generalization of adiposity-related common genetic variants among U.S. Hispanic women in WHI-SHARE. *Nutr Diabetes* 2013; 26 (3): e85
82. Carlson CS, Matise TC, **North KE**, Haiman CA, Fesinmeyer MD, Buyske S, Schumacher FR, Peters U, Franceschini N, Ritchie MD, Duggan DG, Spencer KL, Dumitrescu L, Eaton CB, Thomas F, Young Carty C, Manolio TA, Heiss G, Le Marchand L, Crawford DC, Hindorff LA, and Kooperberg C, for the PAGE Study. Generalization and attenuation of association results from European GWAS in Populations of non-European Ancestry: the PAGE Study. *PLoS Biology* 2013; 11 (9): e1001661
83. Hakenewerth AM, Millikan RC, Rusyn I, Herring AH, **North KE**, Barnholtz-Sloan JS, Funkhouser WF, Weissler MC, Olshan AF. Joint effects of alcohol consumption and polymorphisms in alcohol and oxidative stress metabolism genes on risk of head and neck cancer. *Cancer Epidemiol* 2013; 20 (11): 2438-49
84. Lin D, **North KE**, Hirschhorn J, Ganna A, Berndt SL, Gustafsson S. Meta-analysis of gene-level associations for rare variants based on single-variant statistics (AJHG-D-13-00346). *Am J Human Genet* 2013; 93 (2): 236-48
85. Berndt SI, Skibola CF, Joseph V, Camp N, Nieters A, Wang Z, Cozen W, Monnereau A, Wang SS, Kelly RS, Lan Q, Teras LR, Chatterjee N, Chung CC, Yeager M, Brooks-Wilson AR, Hartge P, Purdue MP, Birmann BM, Armstrong BK, Cocco P, Yawei Zhang Y, Severi G, Zeleniuch-Jacquotte A, Lawrence C, Burdette L, Yuenger J, Hutchinson A, Jacobs KB, Call TG, Shanafelt TD, Novak A, Kay NE, Liebow M, Wang AH, Smedby KE, Adami H-O, Melbye M, Glimelius B, Chang ET, Glenn M, Curtin K, Cannon-Albright LA, Jones B, Diver WR, Link BK, Weiner GJ, Condi L, Bracci PM, Riby J, Holly EA, Smith MT, Jackson RD, Tinker LF, Benavente Y, Becker N, Boffetta P, Brennan P, Foretova L, Maynadie M, McKay J, Staines A, Rabe K, Achenbach S, Vachon C, Goldin L, Strom S, Lanasa M, Spector LG, Leis JF, Cunningham JM, Weinberg JB, Morrison VA, Caporaso N, Norman A, Linet M, De Roos AJ, Morton L, Severson R, Riboli E, Vineis P, Kaaks R, Trichopoulos D, Giovanna Masala G, Elisabete Weiderpass E, María-Dolores Chirlaque M-D, Roel C H, Vermeulen R, Travis R, Giles G, Albanes D, Virtamo J, Weinstein S, Clavel J, Zheng T, Holford TR, Offit K, Zelenetz A, Klein RJ, Spinelli JJ, Bertrand KA, Laden F, Giovannucci E, Kraft P, Krickler A, Turner J, Vajdic CM, Ennas MG, Ferri GM, Miligi L, Liang L, Sampson J, Crouch S, Park J-h, **North KE**, Cox A, Snowden JA, Wright J, Carracedo A, Lopez-Otin C, Bea S, Salaverria I, Martin D, Campo E, Fraumeni JF Jr, de Sanjose S, Hjalgrim H, Cerhan JR, Chanock SJ, Rothman N, Slager SL. Genome-wide Association Study Identifies Multiple Risk Loci for Chronic Lymphocytic Leukemia. *Nat Genet* 2013; 45 (8): 868-76
86. <sup>†</sup>Randall JC, Winkler TW, Kutalik Z, Berndt SI, Jackson AU, Monda KL, Kilpeläinen TO, Abecasis G, McCarthy MI, Hirschhorn JN, Qi L, Loos RJF\*, Lindgren CM\*, **North KE\***, Heid IM \* Sex-stratified genome-wide association studies in 270,000 individuals 2 show evidence for sexual dimorphism in genetic loci for anthropometric traits. *PLoS Genetics* 2013; 9 (6): e1003500
87. Fu W, O'Connor TD, Jun G, Kang HM, Abecasis G, Leal SM, Gabriel S, Rieder MJ, Altshuler D, Shendure J, Nickerson DA, Bamshad MJ; **NHLBI Exome Sequencing Project**, Akey JM. Analysis of 6,515 exomes reveals the recent origin of most human protein-coding variants. *Nature* 2013; 493 (7431): 216-20
88. Demerath EW, Liu CT, Franceschini N, Chen G, Palmer JR, Smith EN, Chen CT, Ambrosone CB, Arnold AM, Bandera EV, Berenson GS, Bernstein L, Britton A, Cappola AR, Carlson CS, Chanock SJ, Chen W, Chen Z, Deming SL, Elks CE, Evans MK, Gajdos Z, Henderson BE, Hu JJ, Ingles S, John EM, Kerr KF, Kolonel LN, Le Marchand L, Lu X, Millikan RC, Musani SK, Nock NL, **North KE**, Nyante S, Press MF, Rodriguez-Gil JL, Ruiz-Narvaez EA, Schork NJ, Srinivasan SR, Woods NF, Zheng W, Ziegler RG, Zonderman A, Heiss G, Gwen Windham B, Wellons M, Murray SS, Nalls M, Pastinen T, Rajkovic A, Hirschhorn J, Adrienne Cupples L, Kooperberg C, Murabito JM, Haiman CA. Genome-wide association study of age at menarche in African-American women. *Hum Mol Genet* 2013; 22 (16): 3329-46

89. Hakenewerth AM, Millikan RC, Rusyn I, Herring AH, Weissler MC, Funkhouser WK, **North KE**, Barnholtz-Sloan JS, Olshan AF. Effects of polymorphisms in alcohol metabolism and oxidative stress genes on survival from head and neck cancer. *Cancer Epidemiol* 2013; 37 (4): 479-91
90. †Graff M, Ngwa JS, Workalemahu T, Homuth G, Schipf S, Teumer A, Völzke H, Wallaschofski H, Abecasis GR, Edward L, Francesco C, Sanna S, Scheet P, Schlessinger D, Sidore C, Xiao X, Wang Z, Chanock SJ, Jacobs KB, Hayes RB, Hu F, Van Dam RM; The GIANT Consortium, Crout RJ, Marazita ML, Shaffer JR, Atwood LD, Fox CS, Heard-Costa NL, White C, Choh AC, Czerwinski SA, Demerath EW, Dyer TD, Towne B, Amin N, Oostra BA, Vanduijn CM, Zillikens MC, Esko T, Nelis M, Nikopensius T, Metspalu A, Strachan DP, Monda K, Qi L, **North KE**, Cupples LA, Gordon-Larsen P, Berndt SI. Genome-wide Analysis of BMI in Adolescents and Young Adults Reveals Additional Insight into the Effects of Genetic Loci over the Life Course. *Hum Mol Genet* 2013; 22 (17): 3597-607
91. Bressler J, Fornage M, Demerath EW, Knopman DS, Monda KL, **North KE**, Penman A, Mosley TH, Boerwinkle E. Fat mass and obesity gene and cognitive decline: the Atherosclerosis Risk in Communities Study (ARIC). *Neurology* 2013; 80 (1): 92-9
92. Fesinmeyer MD, **North KE**, Lim U, Bůžková P, Crawford DC, Haessler J, Gross MD, Fowke JH, Goodloe R, Love SA, Graff M, Carlson CS, Kuller LH, Matise TC, Hong CP, Henderson BE, Allen M, Rohde RR, Mayo P, Schnetz-Boutaud N, Monroe KR, Ritchie MD, Prentice RL, Kolonel LN, Manson JE, Pankow J, Hindorff LA, Franceschini N, Wilkens LR, Haiman CA, Le Marchand L, Peters U. Effects of smoking on the genetic risk of obesity: the population architecture using genomics and epidemiology study. *BMC Med Genet* 2013; 14: 6
93. Tellez-Plaza M, Gribble MO, Voruganti VS, Francesconi KA, Goessler W, Umans JG, Silbergeld EK, Guallar E, Franceschini N, **North KE**, Kao WH, MacCluer JW, Cole SA, Navas-Acien A. Heritability and preliminary genome-wide linkage analysis of arsenic metabolites in urine. *Environ Health Perspect* 2013; 121 (3): 345-51
94. Smith CE, Ngwa J, Tanaka T, Qi Q, Wojczynski MK, Lemaitre RN, Anderson JS, Manichaikul A, Mikkilä V, van Rooij FJ, Ye Z, Bandinelli S, Frazier-Wood AC, Houston DK, Hu F, Langenberg C, McKeown NM, Mozaffarian D, **North KE**, Viikari J, Zillikens MC, Djoussé L, Hofman A, Kähönen M, Kabagambe EK, Loos RJ, Saylor GB, Forouhi NG, Liu Y, Mukamal KJ, Chen YD, Tsai MY, Uitterlinden AG, Raitakari O, van Duijn CM, Arnett DK, Borecki IB, Cupples LA, Ferrucci L, Kritchevsky SB, Lehtimäki T, Qi L, Rotter JJ, Siscovick DS, Wareham NJ, Witteman JC, Ordovás JM, Nettleton JA. Lipoprotein receptor-related protein 1 variants and dietary fatty acids: meta-analysis of European origin and African American studies. *Int J Obes (Lond)* 2013; 37 (9): 1211-20
95. Divaris K, Monda KL, **North KE**, Olshan AF, Reynolds LM, Hsueh WC, Lange EM, Moss K, Barros SP, Weyant RJ, Liu Y, Newman AB, Beck JD, Offenbacher S. Exploring the genetic basis of chronic periodontitis: a genome-wide association study. *Hum Mol Genet* 2013; 22 (11): 2312-24
96. Feitosa MF, Reiner AP, Wojczynski MK, Graff M, **North KE**, Carr JJ, Borecki IB. Sex-influenced association of nonalcoholic fatty liver disease with coronary heart disease. *Atherosclerosis* 2013; 227 (2): 420-4
97. Feitosa MF, Wojczynski MK, **North KE**, Zhang Q, Province MA, Carr JJ, Borecki IB. The ERLIN1-CHUK-CWF19L1 gene cluster influences liver fat deposition and hepatic inflammation in the NHLBI Family Heart Study. *Atherosclerosis* 2013; 228 (1): 175-80
98. Zhang L, Spencer KL, Voruganti VS, Jorgensen NW, Fornage M, Best LG, Brown-Gentry KD, Cole SA, Crawford DC, Deelman E, Franceschini N, Gaffo AL, Glenn KR, Heiss G, Jenny NS, Kottgen A, Li Q, Liu K, Matise TC, **North KE**, Umans JG, Kao WH. Association of Functional Polymorphism rs2231142 (Q141K) in the ABCG2 Gene With Serum Uric Acid and Gout in 4 US Populations: The PAGE Study. *Am J Epidemiol* 2013; 177 (9): 923-32
99. †Fernández-Rhodes L, Demerath EW, Cousminer DL, Tao R, Dreyfus JG, Esko T, Smith AV, Gudnason V, Harris TB, Launer L, McArdle PF, Yerges-Armstrong LM, Elks CE, Strachan DP, Kutalik Z, Vollenweider P, Feenstra B, Boyd HA, Metspalu A, Mihailov E, Broer L, Zillikens MC, Oostra B, van Duijn CM, Lunetta KL,

- Perry JR, Murray A, Koller DL, Lai D, Corre T, Toniolo D, Albrecht E, Stöckl D, Grallert H, Gieger C, Hayward C, Polasek O, Rudan I, Wilson JF, He C, Kraft P, Hu FB, Hunter DJ, Hottenga JJ, Willemsen G, Boomsma DI, Byrne EM, Martin NG, Montgomery GW, Warrington NM, Pennell CE, Stolk L, Visser JA, Hofman A, Uitterlinden AG, Rivadeneira F, Lin P, Fisher SL, Bierut LJ, Crisponi L, Porcu E, Mangino M, Zhai G, Spector TD, Buring JE, Rose LM, Ridker PM, Poole C, Hirschhorn JN, Murabito JM, Chasman DI, Widen E, **North KE**, Ong KK, Franceschini N. Association of adiposity genetic variants with menarche timing in 92,105 women of European descent. *Am J Epidemiol* 2013; 178 (3): 451-60
100. Zhang L, Buzkova P, Wassel CL, Roman MJ, **North KE**, Crawford DC, Boston J, Brown-Gentry KD, Cole SA, Deelman E, Goodloe R, Wilson S, Heiss G, Jenny NS, Jorgensen NW, Matise TC, McClellan BE Jr, Nato AQ Jr, Ritchie MD, Franceschini N, Kao WH. Lack of associations of ten candidate coronary heart disease risk genetic variants and subclinical atherosclerosis in four U.S. populations: The Population Architecture using Genomics and Epidemiology (PAGE) study. *Atherosclerosis* 2013; 228 (2): 390-9
101. Tanaka T, Ngwa JS, van Rooij FJ, Zillikens MC, Wojczynski MK, Frazier-Wood AC, Houston DK, Kanoni S, Lemaitre RN, Luan J, Mikkilä V, Renstrom F, Sonestedt E, Zhao JH, Chu AY, Qi L, Chasman DI, de Oliveira Otto MC, Dhurandhar EJ, Feitosa MF, Johansson I, Khaw KT, Lohman KK, Manichaikul A, McKeown NM, Mozaffarian D, Singleton A, Stirrups K, Viikari J, Ye Z, Bandinelli S, Barroso I, Deloukas P, Forouhi NG, Hofman A, Liu Y, Lyytikäinen LP, **North KE**, Dimitriou M, Hallmans G, Kähönen M, Langenberg C, Ordovas JM, Uitterlinden AG, Hu FB, Kalafati IP, Raitakari O, Franco OH, Johnson A, Emilsson V, Schrack JA, Semba RD, Siscovick DS, Arnett DK, Borecki IB, Franks PW, Kritchevsky SB, Lehtimäki T, Loos RJ, Orho-Melander M, Rotter JI, Wareham NJ, Witteman JC, Ferrucci L, Dedoussis G, Cupples LA, Nettleton JA. Genome-wide meta-analysis of observational studies shows common genetic variants associated with macronutrient intake. *Am J Clin Nutr* 2013; 97 (6): 1395-402
102. Deo R, Nalls MA, Avery CL, Smith JG, Evans DS, Keller MF, Butler AM, Buxbaum SG, Li G, Miguel Quibrera P, Smith EN, Tanaka T, Akylbekova EL, Alonso A, Arking DE, Benjamin EJ, Berenson GS, Bis JC, Chen LY, Chen W, Cummings SR, Ellinor PT, Evans MK, Ferrucci L, Fox ER, Heckbert SR, Heiss G, Hsueh WC, Kerr KF, Limacher MC, Liu Y, Lubitz SA, Magnani JW, Mehra R, Marcus GM, Murray SS, Newman AB, Njajou O, **North KE**, Paltoo DN, Psaty BM, Redline SS, Reiner AP, Robinson JG, Rotter JI, Samdarshi TE, Schnabel RB, Schork NJ, Singleton AB, Siscovick D, Soliman EZ, Sotoodehnia N, Srinivasan SR, Taylor HA, Trevisan M, Zhang Z, Zonderman AB, Newton-Cheh C, Whitsel EA. Common genetic variation near the connexin-43 gene is associated with resting heart rate in African Americans: a genome-wide association study of 13,372 participants. *Heart Rhythm* 2013; 10 (3): 401-8
103. †Graff M, Gordon-Larsen P, Lim U, Fowke JH, Love SA, Fesinmeyer M, Wilkens, Vertilus S, Ritchie MD, Prentice RL, Pankow J, Monroe K, Manson JE, Le Marchand L, Kuller LH, Kolonel LN, Hong C, Henderson, Haessler B, Gross M, Goodloe R, Franceschini N, Carlson C, Buyske S, Buzková P, Hindorff LA, Matise T, Crawford D, Haiman C, Peters U, **North KE**. The Influence of Obesity related single nucleotide polymorphisms on BMI across the Life Course: the PAGE Study. *Diabetes* 2013; 62 (5): 1763-7
104. Nettleton JA, Hivert MF, Lemaitre RN, McKeown NM, Mozaffarian D, Tanaka T, Wojczynski MK, Hruby A, Djoussé L, Ngwa JS, Follis JL, Dimitriou M, Ganna A, Houston DK, Kanoni S, Mikkilä V, Manichaikul A, Ntalla I, Renström F, Sonestedt E, van Rooij FJ, Bandinelli S, de Koning L, Ericson U, Hassanali N, Kiefte-de Jong JC, Lohman KK, Raitakari O, Papoutsakis C, Sjogren P, Stirrups K, Ax E, Deloukas P, Groves CJ, Jacques PF, Johansson I, Liu Y, McCarthy MI, **North KE**, Viikari J, Zillikens MC, Dupuis J, Hofman A, Kolovou G, Mukamal K, Prokopenko I, Rolandsson O, Seppälä I, Cupples LA, Hu FB, Kähönen M, Uitterlinden AG, Borecki IB, Ferrucci L, Jacobs DR Jr, Kritchevsky SB, Orho-Melander M, Pankow JS, Lehtimäki T, Witteman JC, Ingelsson E, Siscovick DS, Dedoussis G, Meigs JB, Franks PW. Meta-analysis investigating associations between healthy diet and fasting glucose and insulin levels and modification by loci associated with glucose homeostasis in data from 15 cohorts. *Am J Epidemiol* 2013; 177 (2): 103-15
105. Hruby A, Ngwa J, Renström F, Wojczynski M, Ganna A, Hallmans G, Houston D, Jacques P, Kanoni S, Lehtimäki T, Lemaitre R, Manichaikul A, **North KE**, Ntalla I, Sonestedt E, ... Meigs J, McKeown N, Nettleton J. Higher Magnesium Intake is associated with lower fasting glucose and insulin, with no evidence of

interaction with select genetic loci, in a meta-analysis of 15 CHARGE Consortium studies. *J of Nutr* 2013; 143 (3): 345-53

106. Taylor KC, Carty CL, Dumitrescu L, Carty C, Buzkova P, Cole S, Hindorff L, Schumacher F, Wilkens L, Shohet R, Quibrera M, Johnson K, Henderson B, Haessler J, Franceschini N, Duggan D, Cochran B, Cheng I, Carlson C, Brown-Gentry KS, Anderson G, Ambite J, Haiman C, LeMarchand L, Kooperberg C, Crawford DC, Buyse S, **North KE**, Fornage M. Investigation of gene-by-sex interactions for lipid traits in diverse populations from the Population Architecture using Genomics and Epidemiology Study. *BMC Genetics* 2013; 14 (1): 33
107. Peters U, **North KE**, Sethupathy P, Buyske S, Haessler J, Jiao S, Fesinmeyer MD, Jackson RD, Kuller LH, Rajkovic A, Lim U, Cheng I, Schumacher F, Wilkens L, Li R, Monda K, Ehret G, Nguyen KD, Cooper R, Lewis CE, Leppert M, Irvin MR, Gu CC, Houston D, Buzkova P, Ritchie M, Matisse TC, Le Marchand L, Hindorff LA, Crawford DC, Haiman CA, Kooperberg C. A systematic mapping approach of 16q12.2/FTO and BMI in more than 20,000 African Americans narrows in on the under-lying functional variation: results from the Population Architecture using Genomics and Epidemiology (PAGE) study. *PLoS Genet* 2013; 9 (1): e1003171
108. Lai YH, Petrone AB, Pankow JS, Arnett DK, **North KE**, Ellison RC, Hunt SC, Djoussé L. Association of dietary omega-3 fatty acids with prevalence of metabolic syndrome: The National Heart, Lung, and Blood Institute Family Heart Study. *Clin Nutr* 2013; 32 (6): 966-9
109. <sup>‡</sup>Berndt SI, Gustafsson S, Mägi R, Ganna A, Wheeler E, Feitosa MF, Justice AE, Monda KL, Croteau-Chonka DC, Day FR, Esko T, Fall T, Ferreira T, Gentilini D, Jackson AU, Luan J, Randall JC, Vedantam S, Willer CJ, Winkler TW, Wood AR, Workalemahu T, Hu YJ, Lee SH, Liang L, Lin DY, Min JL, Neale BM, Thorleifsson G, Yang J, Albrecht E, Amin N, Bragg-Gresham JL, Cadby G, den Heijer M, Eklund N, Fischer K, Goel A, Hottenga JJ, Huffman JE, Jarick I, Johansson A, Johnson T, Kanoni S, Kleber ME, König IR, Kristiansson K, Kutalik Z, Lamina C, Lecoeur C, Li G, Mangino M, McArdle WL, Medina-Gomez C, Müller-Nurasyid M, Ngwa JS, Nolte IM, Paternoster L, Pechlivanis S, Perola M, Peters MJ, Preuss M, Rose LM, Shi J, Shungin D, Smith AV, Strawbridge RJ, Surakka I, Teumer A, Trip MD, Tyrer J, Van Vliet-Ostaptchouk JV, Vandenput L, Waite LL, Zhao JH, Absher D, Asselbergs FW, Atalay M, Attwood AP, Balmforth AJ, Basart H, Beilby J, Bonycastle LL, Brambilla P, Bruinenberg M, Campbell H, Chasman DI, Chines PS, Collins FS, Connell JM, Cookson WO, de Faire U, de Vegt F, Dei M, Dimitriou M, Edkins S, Estrada K, Evans DM, Farrall M, Ferrario MM, Ferrières J, Franke L, Frau F, Gejman PV, Grallert H, Grönberg H, Gudnason V, Hall AS, Hall P, Hartikainen AL, Hayward C, Heard-Costa NL, Heath AC, Hebebrand J, Homuth G, Hu FB, Hunt SE, Hyppönen E, Iribarren C, Jacobs KB, Jansson JO, Julia A, Kähönen M, Kathiresan S, Kee F, Khaw KT, Kivimäki M, Koenig W, Kraja AT, Kumari M, Kuulasmaa K, Kuusisto J, Laitinen JH, Lakka TA, Langenberg C, Launer LJ, Lind L, Lindström J, Liu J, Liuzzi A, Lokki ML, Lorentzon M, Madden PA, Magnusson PK, Manunta P, Marek D, März W, Mateo Leach I, McKnight B, Medland SE, Mihailov E, Milani L, Montgomery GW, Mooser V, Mühleisen TW, Munroe PB, Musk AW, Narisu N, Navis G, Nicholson G, Nohr EA, Ong KK, Oostra BA, Palmer CN, Palotie A, Peden JF, Pedersen N, Peters A, Polasek O, Pouta A, Pramstaller PP, Prokopenko I, Pütter C, Radhakrishnan A, Raitakari O, Rendon A, Rivadeneira F, Rudan I, Saaristo TE, Sambrook JG, Sanders AR, Sanna S, Saramies J, Schipf S, Schreiber S, Schunkert H, Shin SY, Signorini S, Sinisalo J, Skrobek B, Soranzo N, Stančáková A, Stark K, Stephens JC, Stirrups K, Stolk RP, Stumvoll M, Swift AJ, Theodoraki EV, Thorand B, Tregouet DA, Tremoli E, Van der Klauw MM, van Meurs JB, Vermeulen SH, Viikari J, Virtamo J, Vitart V, Waeber G, Wang Z, Widén E, Wild SH, Willemsen G, Winkelmann BR, Witteman JC, Wolfenbuttel BH, Wong A, Wright AF, Zillikens MC, Amouyel P, Boehm BO, Boerwinkle E, Boomsma DI, Caulfield MJ, Chanock SJ, Cupples LA, Cusi D, Dedoussis GV, Erdmann J, Eriksson JG, Franks PW, Froguel P, Gieger C, Gyllenstein U, Hamsten A, Harris TB, Hengstenberg C, Hicks AA, Hingorani A, Hinney A, Hofman A, Hovingh KG, Hveem K, Illig T, Jarvelin MR, Jöckel KH, Keinanen-Kiukkaanniemi SM, Kiemeny LA, Kuh D, Laakso M, Lehtimäki T, Levinson DF, Martin NG, Metspalu A, Morris AD, Nieminen MS, Njølstad I, Ohlsson C, Oldehinkel AJ, Ouwehand WH, Palmer LJ, Penninx B, Power C, Province MA, Psaty BM, Qi L, Rauramaa R, Ridker PM, Ripatti S, Salomaa V, Samani NJ, Snieder H, Sørensen TI, Spector TD, Stefansson K, Tönjes A, Tuomilehto J, Uitterlinden AG, Uusitupa M, van der Harst P, Vollenweider P, Wallaschofski H, Wareham NJ, Watkins H, Wichmann HE, Wilson JF, Abecasis GR, Assimes TL, Barroso I, Boehnke M, Borecki IB, Deloukas P, Fox CS, Frayling T, Groop LC, Haritunian T, Heid IM, Hunter D, Kaplan RC, Karpe F, Moffatt MF, Mohlke KL, O'Connell JR, Pawitan Y, Schadt EE, Schlessinger D, Steinthorsdottir V, Strachan DP, Thorsteinsdottir U, van Duijn CM, Visscher PM, Di Blasio AM, Hirschhorn JN, Lindgren CM, Morris AP, Meyre D, Scherag A,



McCarthy MI, Speliotes EK, **North KE\***, Loos RJ\*, Ingelsson E\*. Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. *Nat Genet* 2013; 45 (5): 501-12

110. <sup>‡</sup>Monda KL, Chen GK, Taylor KC, Palmer C, Edwards TL, Lange LA, Ng MC, Adeyemo AA, Allison MA, Bielak LF, Chen G, Graff M, Irvin MR, Rhie SK, Li G, Liu Y, Liu Y, Lu Y, Nalls MA, Sun YV, Wojczynski MK, Yanek LR, Aldrich MC, Ademola A, Amos CI, Bandera EV, Bock CH, Britton A, Broeckel U, Cai Q, Caporaso NE, Carlson CS, Carpten J, Casey G, Chen WM, Chen F, Chen YD, Chiang CW, Coetzee GA, Demerath E, Deming-Halverson SL, Driver RW, Dubbert P, Feitosa MF, Feng Y, Freedman BI, Gillanders EM, Gottesman O, Guo X, Haritunians T, Harris T, Harris CC, Hennis AJ, Hernandez DG, McNeill LH, Howard TD, Howard BV, Howard VJ, Johnson KC, Kang SJ, Keating BJ, Kolb S, Kuller LH, Kutlar A, Langefeld CD, Lettre G, Lohman K, Lotay V, Lyon H, Manson JE, Maixner W, Meng YA, Monroe KR, Morhason-Bello I, Murphy AB, Mychaleckyj JC, Nadukuru R, Nathanson KL, Nayak U, N'diaye A, Nemesure B, Wu SY, Leske MC, Neslund-Dudas C, Neuhouser M, Nyante S, Ochs-Balcom H, Ogunniyi A, Ogundiran TO, Ojengbede O, Olopade OI, Palmer JR, Ruiz-Narvaez EA, Palmer ND, Press MF, Rampersaud E, Rasmussen-Torvik LJ, Rodriguez-Gil JL, Salako B, Schadt EE, Schwartz AG, Shriner DA, Siscovick D, Smith SB, Wassertheil-Smoller S, Speliotes EK, Spitz MR, Sucheston L, Taylor H, Tayo BO, Tucker MA, Van Den Berg DJ, Edwards DR, Wang Z, Wiencke JK, Winkler TW, Witte JS, Wrensch M, Wu X, Yang JJ, Levin AM, Young TR, Zakai NA, Cushman M, Zanetti KA, Zhao JH, Zhao W, Zheng Y, Zhou J, Ziegler RG, Zmuda JM, Fernandes JK, Gilkeson GS, Kamen DL, Hunt KJ, Spruill IJ, Ambrosone CB, Ambs S, Arnett DK, Atwood L, Becker DM, Berndt SI, Bernstein L, Blot WJ, Borecki IB, Bottinger EP, Bowden DW, Burke G, Chanock SJ, Cooper RS, Ding J, Duggan D, Evans MK, Fox C, Garvey WT, Bradfield JP, Hakonarson H, Grant SF, Hsing A, Chu L, Hu JJ, Huo D, Ingles SA, John EM, Jordan JM, Kabagambe EK, Kardia SL, Kittles RA, Goodman PJ, Klein EA, Kolonel LN, Le Marchand L, Liu S, McKnight B, Millikan RC, Mosley TH, Padhukasahasram B, Williams LK, Patel SR, Peters U, Pettaway CA, Peyser PA, Psaty BM, Redline S, Rotimi CN, Rybicki BA, Sale MM, Schreiner PJ, Signorello LB, Singleton AB, Stanford JL, Strom SS, Thun MJ, Vitolins M, Zheng W, Moore JH, Williams SM, Ketkar S, Zhu X, Zonderman AB; NABEC Consortium; UKBEC Consortium; BioBank Japan Project; AGEN Consortium, Kooperberg C, Papanicolaou GJ, Henderson BE, Reiner AP, Hirschhorn JN\*, Loos RJ\*, **North KE\***, Haiman CA\*. A meta-analysis identifies new loci associated with body mass index in individuals of African ancestry. *Nat Genet* 2013; 45 (6): 690-6
111. <sup>‡</sup>Wu Y, Waite LL, Jackson AU, Sheu WH, Buyske S, Absher D, Arnett DK, Boerwinkle E, Bonnycastle LL, Carty CL, Cheng I, Cochran B, Croteau-Chonka DC, Dumitrescu L, Eaton CB, Franceschini N, Guo X, Henderson BE, Hindorff LA, Kim E, Kinnunen L, Komulainen P, Lee WJ, Le Marchand L, Lin Y, Lindström J, Lingaas-Holmen O, Mitchell SL, Narisu N, Robinson JG, Schumacher F, Stančáková A, Sundvall J, Sung YJ, Swift AJ, Wang WC, Wilkens L, Wilsgaard T, Young AM, Adair LS, Ballantyne CM, Bůžková P, Chakravarti A, Collins FS, Duggan D, Feranil AB, Ho LT, Hung YJ, Hunt SC, Hveem K, Juang JM, Kesäniemi AY, Kuusisto J, Laakso M, Lakka TA, Lee IT, Leppert MF, Matise TC, Moilanen L, Njølstad I, Peters U, Quertermous T, Rauramaa R, Rotter JI, Saramies J, Tuomilehto J, Uusitupa M, Wang TD, Boehnke M, Haiman CA, Chen YD, Kooperberg C, Assimes TL, Crawford DC, Hsiung CA, **North KE\***, Mohlke KL\*. Trans-ethnic fine-mapping of lipid Loci identifies population-specific signals and allelic heterogeneity that increases the trait variance explained. *PLoS Genet* 2013; 9 (3): e1003379
112. Guo Y, Lanktree MB, Taylor KC, Hakonarson H, Lange LA, Keating BJ; IBC 50K SNP array BMI Consortium; Collaborators: Guo Y, Lanktree MB, Taylor KC, Fairfax BP, Elbers CC, Barnard J, Farrall M, Padmanabhan S, Baumert J, Castillo BA, Gaunt TR, Gong Y, Rajagopalan R, Romaine SP, Kumari M, Rafelt S, Smith EN, Li YR, Sivapalaratnam S, van Iperen EP, Speliotes EK, Toskala E, Zhang L, Ochs-Balcom HM, Bhangale TR, Chandrupatla HR, Drenos F, Gieger C, Gupta J, Johnson T, Kleber ME, Makino S, Mangino M, Meng Y, Nelson CP, Pankow JS, Pankratz N, Price TS, Shaffer J, Shen H, Tischfield S, Tomaszewski M, Atwood LD, Bailey KM, Balasubramanyam A, Baldwin CT, Basart H, Bauer F, Behr ER, Beitelshes AL, Berenson GS, Beresford SA, Bezzina CR, Bhatt DL, Boer JM, Braund PS, Burke GL, Burkley B, Carty C, Chen W, Clarke R, Cooper-DeHoff RM, Curtis SP, de Bakker PI, de Jong JS, Delles C, Dominiczak AF, Duggan D, Feldman HI, Furlong CE, Gorski MM, Gums JG, Hardwick R, Hastie C, Heid IM, Huang GH, Huggins GS, Humphries SE, Kirkland SA, Kivimaki M, Klein R, Klein BE, Knowler WC, Kottke-Marchant K, LaCroix AZ, Langae TY, Li M, Lyon HN, Maiwald S, Marshall JK, Mehta A, Meijis MF, Melander O, Meyer N, Mitra N, Molony CM, Morrow DA, Murugesan G, Newhouse SJ, Nieto JF, Onland-Moret NC, Ouwehand WH, Palmén J, Pepine CJ, Ranchalis J, Rosas SE, Rosenthal EA, Scharnagl H, Schork NJ, Schreiner PJ, Shah T, Shashaty M, Shimbo D,

Srinivasan SR, Thomas F, Tobin MD, Tsai MY, Verschuren WM, Wagenknecht LE, Winkelmann BR, Young T, Yusuf S, Zafarmand MH, Zmuda JM, Zwinderman AH, Anand SS, Balmforth AJ, Boehm BO, Boerwinkle E, Burton PR, Cappola TP, Casas JP, Caulfield MJ, Christiani DC, Christie J, Cruickshanks KJ, Davey-Smith G, Davidson KW, Day IN, Doevendans PA, Dorn GW 2nd, FitzGerald GA, Hall AS, Hingorani AD, Hirschhorn JN, Hofker MH, Hovingh KG, Illig T, Jamshidi Y, Jarvik GP, Johnson JA, Kanetsky PA, Kastelein JJ, Koenig W, Lawlor DA, März W, McCaffery J, Mega JL, Mitchell BD, Murray SS, O'Connell JR, Patel SR, Peters A, Pettinger M, Rader DJ, Redline S, Reilly MP, Sabatine MS, Schadt EE, Shuldiner AR, Silverstein RL, Spector TD, Taylor HA, Thorand B, Trip MD, Watkins H, Wichmann HE, Fox CS, Grant SF, Peter I, Talmud PJ, Munroe PB, Wilson JG, Knight JC, Samani NJ, Hegele RA, Asselbergs FW, Monda KL, van der Schouw YT, Demerath EW, Wijmenga C, Timpson NJ, Reiner AP, **North KE**, Papanicolaou GJ, Hakonarson H, Lange LA, Keating BJ. 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

113. Velez DR, Naj AC, Monda K, **North KE**, Neuhouser M, Magvanjav O, Kusimo L, Vitolins MZ, Manson JE, O'Sullivan MJ, Rumpersaud E, Edwards TL. Gene-environment interactions and obesity traits among postmenopausal African-American and Hispanic women in the Women's Health Initiative SHARe Study. *Hum Genet* 2013; 132 (3): 323-36
114. †±Graff M, **North KE**, Franceschini N, Reiner AP, Feitosa MF, Carr JJ, Gordon-Larsen P, Wojczynski MK, and Borecki IB. *PNPLA3* gene-by-visceral adipose tissue volume interaction and the pathogenesis of fatty liver disease: The NHLBI Family Heart Study. *Int J Obes (Lond)* 2013; 37 (3): 432-8
115. ±Fesinmeyer MD, **North KE**, Ritchie MD, Lim U, Franceschini N, Wilkens LR, Gross MD, Bůžková P, Glenn K, Quibrera PM, Fernández-Rhodes L, Li Q, Fowke JH, Li R, Carlson CS, Monroe KR, Crawford DC, Hindorff LA, et al. Genetic risk factors for body mass index and obesity in an ethnically diverse population: results from the Population Architecture using Genomics and Epidemiology (PAGE) Study. *Obesity* 2013; 21 (4): 835-46
116. Chiang C, Ti Liu C, Lettre G, Lange L, Jorgensen N, Keating B, Vedantam S, Nock N, Franceschini N, Reiner A, Demerath E, Boerwinkle E, Rotter J, Wilson J, **North KE**, Papanicolaou G, Cupples LA, Murabito J and Hirschhorn J. Association study of genome-wide highly constrained SNPs with traits related to reproductive and overall fitness. *Genetics* 2012; 192 (1): 253-66
117. Emond MJ, Louie T, Emerson J, Zhao W, Mathias RA, Knowles MR, Wright FA, Rieder MJ, Tabor HK, Nickerson DA, Barnes KC; **National Heart, Lung, and Blood Institute (NHLBI) GO Exome Sequencing Project**; Lung GO, Gibson RL, Bamshad MJ. Exome sequencing of extreme phenotypes identifies DCTN4 as a modifier of chronic *Pseudomonas aeruginosa* infection in cystic fibrosis. *Nat Genet* 2012; 44 (8): 886-9
118. Boileau C, Guo DC, Hanna N, Regalado ES, Detaint D, Gong L, Varret M, Prakash SK, Li AH, d'Indy H, Braverman AC, Grandchamp B, Kwartler CS, Gouya L, Santos-Cortez RL, Abifadel M, Leal SM, Muti C, Shendure J, Gross MS, Rieder MJ, Vahanian A, Nickerson DA, Michel JB; **National Heart, Lung, and Blood Institute (NHLBI) Go Exome Sequencing Project**, Jondeau G, Milewicz DM. TGFB2 mutations cause familial thoracic aortic aneurysms and dissections associated with mild systemic features of Marfan syndrome. *Nat Genet* 2012; 44 (8): 916-21
119. †±Graff M, **North KE**, Mohlke KL, Lange LA, Luo J, Harris KM, Young KL, Richardson AS, Lange EM, Gordon-Larsen P. Estimation of genetic effects on BMI during adolescence in an ethnically diverse cohort: The National Longitudinal Study of Adolescent Health. *Nutr Diabetes* 2012; 2: e47
120. Wassel CL, Lamina C, Nambi V, Coassin S, Mukamal KJ, Ganesh SK, Jacobs DR Jr, Franceschini N, Papanicolaou GJ, Gibson Q, Yanek LR, van der Harst P, Ferguson JF, Crawford DC, Waite LL, Allison MA, Criqui MH, McDermott MM, Mehra R, Cupples LA, Hwang SJ, Redline S, Kaplan RC, Heiss G, Rotter JI, Boerwinkle E, Taylor HA, Eraso LH, Haun M, Li M, Meisinger C, O'Connell JR, Shuldiner AR, Tybjaerg-Hansen A, Frikke-Schmidt R, Kollerits B, Rantner B, Dieplinger B, Stadler M, Mueller T, Haltmayer M, Klein-Weigel P, Summerer M, Wichmann HE, Asselbergs FW, Navis G, Mateo Leach I, Brown-Gentry K, Goodloe R, Assimes TL, Becker DM, Cooke JP, Absher DM, Olin JW, Mitchell BD, Reilly MP, Mohler ER 3rd, **North KE**,



Reiner AP, Kronenberg F, Murabito JM. Genetic determinants of the ankle-brachial index: a meta-analysis of a cardiovascular candidate gene 50K SNP panel in the candidate gene association resource (CARE) consortium. *Atherosclerosis* 2012; 222 (1): 138-47

121. Smith JG, Avery CL, Evans DS, Nalls MA, Meng YA, Smith EN, Palmer C, Tanaka T, Mehra R, Butler AM, Young T, Buxbaum SG, Kerr KF, Berenson GS, Schnabel RB, Li G, Ellinor PT, Magnani JW, Chen W, Bis JC, Curb JD, Hsueh WC, Rotter JI, Liu Y, Newman AB, Limacher MC, **North KE**, Reiner AP, Quibrera PM, Schork NJ, Singleton AB, Psaty BM, Soliman EZ, Solomon AJ, Srinivasan SR, Alonso A, Wallace R, Redline S, Zhang ZM, Post WS, Zonderman AB, Taylor HA, Murray SS, Ferrucci L, Arking DE, Evans MK, Fox ER, Sotoodehnia N, Heckbert SR, Whitsel EA, Newton-Cheh C; CARE and COGENT consortia. Impact of ancestry and common genetic variants on QT interval in African Americans. *Circ Cardiovasc Genet* 2012; 5 (6): 647-55
122. Liu EY, Buyske S, Aragaki AK, Peters U, Boerwinkle E, Carlson C, Carty C, Crawford DC, Haessler J, Hindorf LA, Marchand LL, Manolio TA, Matise T, Wang W, Kooperberg C, **North KE**, Li Y. Genotype imputation of MetaboChip SNPs using a study-specific reference panel of ~4,000 haplotypes in African Americans from the Women's Health Initiative. *Genet Epidemiol* 2012; 36 (2): 107-17
123. Hodgson ME, Olshan AF, **North KE**, Poole CL, Zeng D, Tse CK, Keku TO, Galanko J, Sandler R, Millikan RC. The case-only independence assumption: associations between genetic polymorphisms and smoking among controls in two population-based studies. *Int J Mol Epidemiol Genet* 2012; 3 (4): 333-60
124. †Butler AM, Yin X, Evans DS, Nalls MA, Smith EN, Tanaka T, Li G, Buxbaum SG, Whitsel EA, Alonso A, Arking DE, Benjamin EJ, Berenson GS, Bis JC, Chen W, Deo R, Ellinor PT, Heckbert SR, Heiss G, Hsueh WC, Keating BJ, Kerr KF, Li Y, Limacher MC, Liu Y, Lubitz SA, Marcianti KD, Mehra R, Meng YA, Newman AB, Newton-Cheh C, **North KE**, Palmer CD, Psaty BM, Quibrera PM, Redline S, Reiner AP, Rotter JI, Schnabel RB, Schork NJ, Singleton AB, Smith JG, Soliman EZ, Srinivasan SR, Zhang ZM, Zonderman AB, Ferrucci L, Murray SS, Evans MK, Sotoodehnia N, Magnani JW, Avery CL. Novel loci associated with PR interval in a genome-wide association study of 10 African American cohorts. *Circ Cardiovasc Genet* 2012; 5 (6): 639-46.
125. Hancock DB, Artigas MS, Gharib SA, Henry A, Manichaikul A, Ramasamy A, Loth DW, Imboden M, Koch B, McArdle WL, Smith AV, Smolonska J, Sood A, Tang W, Wilk JB, Zhai G, Zhao JH, Aschard H, Burkart KM, Curjuric I, Eijgelsheim M, Elliott P, Gu X, Harris TB, Janson C, Homuth G, Hysi PG, Liu JZ, Loehr LR, Lohman K, Loos RJ, Manning AK, Marcianti KD, Obeidat M, Postma DS, Aldrich MC, Brusselle GG, Chen TH, Eiriksdottir G, Franceschini N, Heinrich J, Rotter JI, Wijmenga C, Williams OD, Bentley AR, Hofman A, Laurie CC, Lumley T, Morrison AC, Joubert BR, Rivadeneira F, Couper DJ, Kritchevsky SB, Liu Y, Wjst M, Wain LV, Vonk JM, Uitterlinden AG, Rochat T, Rich SS, Psaty BM, O'Connor GT, **North KE**, Mirel DB, Meibohm B, Launer LJ, Khaw KT, Hartikainen AL, Hammond CJ, Gläser S, Marchini J, Kraft P, Wareham NJ, Völzke H, Stricker BH, Spector TD, Probst-Hensch NM, Jarvis D, Jarvelin MR, Heckbert SR, Gudnason V, Boezen HM, Barr RG, Cassano PA, Strachan DP, Fornage M, Hall IP, Dupuis J, Tobin MD, London SJ. Genome-wide joint meta-analysis of SNP and SNP-by-smoking interaction identifies novel loci for pulmonary function. *PLoS Genet* 2012; 8 (12): e1003098
126. Scott RA, Lagou V, Welch RP, Wheeler E, Montasser ME, Luan J, Mägi R, Strawbridge RJ, Rehnberg E, Gustafsson S, Kanoni S, Rasmussen-Torvik LJ, Yengo L, Lecoeur C, Shungin D, Sanna S, Sidore C, Johnson PC, Jukema JW, Johnson T, Mahajan A, Verweij N, Thorleifsson G, Hottenga JJ, Shah S, Smith AV, Sennblad B, Gieger C, Salo P, Perola M, Timpson NJ, Evans DM, Pourcain BS, Wu Y, Andrews JS, Hui J, Bielak LF, Zhao W, Horikoshi M, Navarro P, Isaacs A, O'Connell JR, Stirrups K, Vitart V, Hayward C, Esko T, Mihailov E, Fraser RM, Fall T, Voight BF, Raychaudhuri S, Chen H, Lindgren CM, Morris AP, Rayner NW, Robertson N, Rybin D, Liu CT, Beckmann JS, Willems SM, Chines PS, Jackson AU, Kang HM, Stringham HM, Song K, Tanaka T, Peden JF, Goel A, Hicks AA, An P, Müller-Nurasyid M, Franco-Cereceda A, Folkersen L, Marullo L, Jansen H, Oldehinkel AJ, Bruinenberg M, Pankow JS, **North KE**,...Prokopenko I, Barroso I. Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. *Nat Genet* 2012; 44 (9): 991-1005
127. Yang J, Loos RJ, Powell JE, Medland SE, Speliotes EK, Chasman DI, Rose LM, Thorleifsson G, Steinthorsdottir V, Mägi R, Waite L, Smith AV, Yerges-Armstrong LM, Monda KL, Hadley D, Mahajan A, Li

- G, Kapur K, Vitart V, Huffman JE, Wang SR, Palmer C, Esko T, Fischer K, Zhao JH, Demirkan A, Isaacs A, Feitosa MF, Luan J, Heard-Costa NL, White C, Jackson AU, Preuss M, ... **North KE**, Lettre G, McCarthy MI, Berndt SI, Heath AC, Madden PA, Nyholt DR, Montgomery GW, Martin NG, McKnight B, Strachan DP, Hill WG, Snieder H, Ridker PM Thorsteinsdottir U, Stefansson K, Frayling TM, Hirschhorn JN, Goddard ME, Visscher PM. FTO genotype is associated with phenotypic variability of body mass index. *Nature* 2012; 490 (7419): 267-72
128. McCullough LE, Santella RM, Cleveland RJ, Bradshaw PT, Millikan RC, **North KE**, Olshan AF, Eng SM, Ambrosone CB, Ahn J, Steck SE, Teitelbaum SL, Neugut AI, Gammon MD. Polymorphisms in oxidative stress genes, physical activity, and breast cancer risk. *Cancer Causes Control* 2012; 23 (12): 1949-58
129. Wilk JB, Shrine NR, Loehr LR, Zhao JH, Manichaikul A, Lopez LM, Smith AV, Heckbert SR, Smolonska J, Tang W, Loth DW, Curjuric I, Hui J, Cho MH, Latourelle JC, Henry AP, Aldrich M, Bakke P, Beaty TH, Bentley AR, Borecki IB, Brusselle GG, Burkart KM, Chen TH, Couper D, Crapo JD, Davies G, Dupuis J, Franceschini N, Gulsvik A, Hancock DB, Harris TB, Hofman A, Imboden M, James AL, Khaw KT, Lahousse L, Launer LJ, Litonjua A, Liu Y, Lohman KK, Lomas DA, Lumley T, Marcianti KD, McArdle WL, Meibohm B, Morrison AC, Musk AW, Myers RH, **North KE**, Postma DS, Psaty BM, Rich SS, Rivadeneira F, Rochat T, Rotter JI, Artigas MS, Starr JM, Uitterlinden AG, Wareham NJ, Wijmenga C, Zanen P, Province MA, Silverman EK, Deary IJ, Palmer LJ, Cassano PA, Gudnason V, Barr RG, Loos RJ, Strachan DP, London SJ, Boezen HM, Probst-Hensch N, Gharib SA, Hall IP, O'Connor GT, Tobin MD, Stricker BH. Genome-wide association study identify CHRNA5/3 and HTR4 in the development of airflow obstruction. *Am J Respir Crit Care Med* 2012; 186 (7): 622-32
130. <sup>‡</sup>Buyske S, Wu Y, Carty CL, Cheng I, Assimes TL, Dumitrescu L, Hindorf LA, Mitchell S, Ambite JL, Boerwinkle E, Buzkova P, Carlson CS, Cochran B, Duggan D, Eaton CB, Fesinmeyer MD, Franceschini N, Haessler J, Jenny N, Kang HM, Kooperberg C, Lin Y, Le Marchand L, Matise TC, Robinson JG, Rodriguez C, Schumacher FR, Voight BF, Young A, Manolio TA, Mohlke KL, Haiman CA, Peters U, Crawford DC, **North KE**. Evaluation of the metabochip genotyping array in African Americans and implications for fine mapping of GWAS-identified loci: the PAGE study. *PLoS One* 2012; 7 (4): e35651
131. Chiang CW, Liu CT, Lettre G, Lange LA, Jorgensen NW, Keating BJ, Vedantam S, Nock NL, Franceschini N, Reiner AP, Demerath EW, Boerwinkle E, Rotter JI, Wilson JG, **North KE**, Papanicolaou GJ, Cupples LA, Murabito JM, Consortium G, Hirschhorn JN. Ultraconserved Elements in the Human Genome: Association and Transmission Analyses of Highly Constrained SNPs. *Genetics* 2012; 192 (1): 253-66
132. <sup>±</sup>Avery CL, Sethupathy P, Buyske S, He QC, Lin DY, Arking DE, Duggan D, Fesinmeyer M, Hindorf LA, Jeff J, Klein L, Patton K, Shohet R, Sotoodehnia N, Mohlke KL, Whitsel EA, **North KE** Fine-mapping and initial characterization of QT interval loci in African American populations. *PLoS Genetics* 2012; 8 (8): e1002870
133. Hartz SM, Short S, Saccone NL, Culverhouse R, Chen LS, Schwantes-An T, Coon H, Han Y, Stephens SH, Sun J, **North KE**, Pergadia M, Polasek O, Ramos E, Ripatti S, Risch A, Ruczinski I, Rudan I, Salomaa V, Schlessinger D, Styrkársdóttir U, Terracciano A, Uda M, Willemsen G, Wu X, Abecasis G, Barnes K, Bickelböller H, Boerwinkle E, Boomsma DI, Caporaso N, Duan J, Edenberg HJ, Francks C, Gejman PV, Gelernter J, Grabe HG, Hops H, Jarvelin MR, Jorma V, Kähönen M, Kendler KS, Lehtimäki T, Levinson DF, Marazita ML, Marchini J, Melbye M, Mitchell B, Murray JC, Nöthen MM, Penninx BW, Raitakari O, Rietschel M, Rujescu D, Samani NJ, Sanders AR, Schwartz A, Shete S, Shi J, Spitz M, Stefansson K, Swan G, Thorgeirsson T, Völzke H, Wei Q, Wichmann HE, Amos C, Breslau N, Cannon D, Ehringer M, Grucza R, Hatsukami D, Heath A, Johnson E, Kaprio J, Madden P, Martin NG, Stevens V, Stitzel JA, Weiss RB, Kraft P, Bierut LJ. Increased genetic vulnerability to smoking in early-onset smokers. *Arch Gen Psychiatry* 2012; 69 (8): 854-60
134. <sup>±</sup>Franceschini N, van Rooij FJ, Prins BP, Feitosa MF, Karakas M, Eckfeldt JH, Folsom AR, Kopp J, Vaez A, Andrews JS, Baumert J, Boraska V, Broer L, Hayward C, Ngwa JS, Okada Y, Polasek O, Westra HJ, Wang YA, Del Greco M F, Glazer NL, Kapur K, Kema IP, Lopez LM, Schillert A, Smith AV, Winkler CA, Zgaga L; LifeLines Cohort Study, Bandinelli S, Bergmann S, Boban M, Bochud M, Chen YD, Davies G, Dehghan A, Ding J, Doering A, Durda JP, Ferrucci L, Franco OH, Franke L, Gunjaca G, Hofman A, Hsu FC, Kolcic I, Kraja A, Kubo M, Lackner KJ, Launer L, Loehr LR, Li G, Meisinger C, Nakamura Y, Schwienbacher C,

Starr JM, Takahashi A, Torlak V, Uitterlinden AG, Vitart V, Waldenberger M, Wild PS, Kirin M, Zeller T, Zemunik T, Zhang Q, Ziegler A, Blankenberg S, Boerwinkle E, Borecki IB, Campbell H, Deary IJ, Frayling TM, Gieger C, Harris TB, Hicks AA, Koenig W, O' Donnell CJ, Fox CS, Pramstaller PP, Psaty BM, Reiner AP, Rotter JI, Rudan I, Snieder H, Tanaka T, van Duijn CM, Vollenweider P, Waeber G, Wilson JF, Witteman JC, Wolfenbittel BH, Wright AF, Wu Q, Liu Y, Jenny NS, **North KE**, Felix JF, Alizadeh BZ, Cupples LA, Perry JR, Morris AP. Discovery and fine-mapping of serum protein loci using trans-ethnic meta-analysis. *A J Hum Genet* 2012; 91 (4): 744-53

135. Tokede OA, Ellison RC, Pankow JS, **North KE**, Hunt SC, Kraja AT, Arnett DK, Djousse L. Chocolate consumption and prevalence of metabolic syndrome in the NHLBI Family Heart Study. *e-SPEN Journal* 2012 (28 pages)
136. Divaris K, Monda KL, **North KE**, Olshan AF, Lange EM, Moss K, Barros SP, Beck JD, Offenbacher S. Genome-wide association study of periodontal pathogen colonization. *J Dent Res* 2012; 91 (7 Suppl): 21S-28S
137. Scott RA, Chu AY, Grarup N, Manning AK, Hivert MF, Shungin D, Tönjes A, Yesupriya A, Barnes D, Bouatia-Naji N, Glazer NL, Jackson AU, Kutalik Z, Lagou V, Marek D, Rasmussen-Torvik LJ, Stringham HM, Tanaka T, Aadahl M, Arking DE, Bergmann S, Boerwinkle E, Bonnycastle LL, Bornstein SR, Brunner E, Bumpstead SJ, Brage S, Carlson OD, Chen H, Chen YD, Chines PS, Collins FS, Couper DJ, Dennison EM, Dowling NF, Egan JS, Ekelund U, Erdos MR, Forouhi NG, Fox CS, Goodarzi MO, Grässler J, Gustafsson S, Hallmans G, Hansen T, Hingorani A, Holloway JW, Hu FB, Isomaa B, Jameson KA, Johansson I, Jonsson A, Jørgensen T, Kivimaki M, Kovacs P, Kumari M, Kuusisto J, Laakso M, Lecoeur C, Lévy-Marchal C, Li G, Loos RJ, Lyssenko V, Marmot M, Marques-Vidal P, Morken MA, Müller G, **North KE**, Pankow JS, Payne F, Prokopenko I, Psaty BM, Renström F, Rice K, Rotter JI, Rybin D, Sandholt CH, Sayer AA, Shrader P, Schwarz PE, Siscovick DS, Stancáková A, Stumvoll M, Teslovich TM, Waeber G, Williams GH, Witte DR, Wood AR, Xie W, Boehnke M, Cooper C, Ferrucci L, Froguel P, Groop L, Kao WH, Vollenweider P, Walker M, Watanabe RM, Pedersen O, Meigs JB, Ingelsson E, Barroso I, Florez JC, Franks PW, Dupuis J, Wareham NJ, Langenberg C. No Interactions between Previously Associated 2-h Glucose Gene Variants and Physical Activity or BMI on 2-h Glucose Levels. *Diabetes* 2012; 61 (5): 1291-6
138. Cleveland RJ, **North KE**, Stevens J, Teitelbaum SL, Neugut AI, Gammon MD. The association of diabetes with breast cancer incidence and mortality in the Long Island Breast Cancer Study Project. *Cancer Causes Control* 2012; 23 (7): 1193-203
139. Imboden M, Bouzigon E, Curjuric I, Ramasamy A, Kumar A, Hancock DB, Wilk JB, Vonk JM, Thun GA, Siroux V, Nadif R, Monier F, Gonzalez JR, Wjst M, Heinrich J, Loehr LR, Franceschini N, **North KE**, Altmüller J, Koppelman GH, Guerra S, Kronenberg F, Lathrop M, Moffatt MF, O'Connor GT, Strachan DP, Postma DS, London SJ, Schindler C, Kogevinas M, Kauffmann F, Jarvis DL, Demenais F, Probst-Hensch NM. Genome-wide association study of lung function decline in adults with and without asthma. *J Allergy Clin Immunol* 2012; 129 (5): 1218-28
140. Nambi V, Boerwinkle E, Lawson K, Brautbar A, Chambless L, Franceschini N, **North KE**, Virani SS, Folsom AR, Ballantyne CM. The 9p21 genetic variant is additive to carotid intima media thickness and plaque in improving coronary heart disease risk prediction in white participants of the Atherosclerosis Risk in Communities (ARIC) Study. *Atherosclerosis* 2012; 222 (1): 135-7
141. Franceschini N, Shara NM, Wang H, Voruganti VS, Laston S, Haack K, Lee ET, Best LG, Maccluer JW, Cochran BJ, Dyer TD, Howard BV, Cole SA, **North KE**, Umans JG. The association of genetic variants of type 2 diabetes with kidney function. *Kidney Int* 2012; 82 (2): 220-5
142. Haiman CA, Fesinmeyer MD, Spencer KL, Buzková P, Voruganti VS, Wan P, Haessler J, Franceschini N, Monroe KR, Howard BV, Jackson RD, Florez JC, Kolonel LN, Buyske S, Goodloe RJ, Liu S, Manson JE, Meigs JB, Waters K, Mukamal KJ, Pendergrass SA, Shrader P, Wilkens LR, Hindorff LA, Ambite JL, **North KE**, Peters U, Crawford DC, Le Marchand L, Pankow JS. Consistent Directions of Effect for Established Type 2 Diabetes Risk Variants Across Populations: The Population Architecture using Genomics and Epidemiology (PAGE) Consortium. *Diabetes* 2012; 61 (6): 1642-7

143. Chen CTL†, Fernández-Rhodes L, Brzyski RG, Carlson CS, Chen Z, Heiss G, **North KE**, Woods NF, Rajkovic A, Kooperberg C, Franceschini N. Replication of Loci Influencing Ages at Menarche and Menopause in Hispanic women: the Women's Health Initiative SHARe study. *Human Molecular Genetics* 2012; 21 (6): 1419-32
144. **North KE**, Graff M, Franceschini N, Feitosa M, Carr JJ, Gorden-Larsen P, Wojczynski MK, and Borecki IB. Sex and race differences in the prevalence of Fatty Liver Disease as measured by CT liver attenuation in European American and African American participants of the NHLBI Family Heart Study. *European Journal of Gastroenterology & Hepatology* 2012; 24 (1): 9-16
145. Katz EG, Stevens J, Truesdale KP, Cai J, Adair L, **North KE**. Interactions between obesity, parental history of hypertension and age on prevalent hypertension, the People's Republic of China Study. *Asia-Pacific Journal of Public Health* 2012; 24 (6): 970-80
146. ±Murabito JM, White CC, Kavousi M, Sun YY, Feitosa MF, Nambi V, Lamina C, Schillert A, Coassin S, Bis JC, Broer L, Crawford DC, Franceschini N, Frikke-Schmidt R, Haun M, Holewijn S, Huffman JE, Hwang SJ, Kiechl S, Kollerits B, Montasser ME, Nolte IM, Rudock ME, Senft A, Teumer A, van der Harst P, Vitart V, Waite LL, Wood AR, Wassel CL, Absher DM, Allison MA, Amin N, Arnold A, Asselbergs FW, Aulchenko Y, Bandinelli S, Barbalic M, Boban M, Brown-Gentry K, Couper DJ, Criqui MH, Dehghan A, den Heijer M, Dieplinger B, Ding J, Dörr M, Espinola-Klein C, Felix SB, Ferrucci L, Folsom AR, Fraedrich G, Gibson Q, Goodloe R, Gunjaca G, Haltmayer M, Heiss G, Hofman A, Kieback A, Kiemeny LA, Kolcic I, Kullo IJ, Kritchevsky SB, Lackner KJ, Li X, Lieb W, Lohman K, Meisinger C, Melzer D, Mohler ER 3rd, Mudnic I, Mueller T, Navis G, Oberhollenzer F, Olin JW, O'Connell J, O'Donnell CJ, Palmas W, Penninx BW, Petersmann A, Polasek O, Psaty BM, Rantner B, Rice K, Rivadeneira F, Rotter JI, Seldenrijk A, Stadler M, Summerer M, Tanaka T, Tybjaerg-Hansen A, Uitterlinden AG, van Gilst WH, Vermeulen SH, Wild SH, Wild PS, Willeit J, Zeller T, Zemunik T, Zgaga L, Assimes TL, Blankenberg S, Boerwinkle E, Campbell H, Cooke JP, de Graaf J, Herrington D, Kardia SL, Mitchell BD, Murray A, Münzel T, Newman A, Oostra BA, Rudan I, Shuldiner AR, Snieder H, van Duijn CM, Völker U, Wright AF, Wichmann HE, Wilson JF, Witteman JC, Liu Y, Hayward C, Borecki IB, Ziegler A, **North KE**, Cupples LA, Kronenberg F. Association Between Chromosome 9p21 Variants and the Ankle-Brachial Index Identified by a Meta-Analysis of 21 Genome-Wide Association Studies. *Circ Cardiovasc Genet* 2012; 5 (1): 100-12
147. Dumitrescu L, Carty CL, Taylor K, Schumacher FR, Hindorff LA, Ambite JL, Anderson G, Best LG, Brown-Gentry K, Bůžková P, Carlson CS, Cochran B, Cole SA, Devereux RB, Duggan D, Eaton CB, Fornage M, Franceschini N, Haessler J, Howard BV, Johnson KC, Laston S, Kolonel LN, Lee ET, MacCluer JW, Manolio TA, Pendergrass SA, Quibrera M, Shohet RV, Wilkens LR, Haiman CA, Le Marchand L, Buyske S, Kooperberg C, **North KE**, Crawford DC. Genetic determinants of lipid traits in diverse populations from the population architecture using genomics and epidemiology (PAGE) study. *PLoS Genet* 2011; 7 (6): e1002138
148. Hakenewerth AM, Millikan RC, Rusyn I, Herring AH, **North KE**, Barnholtz-Sloan JS, Funkhouser WF, Weissler MC, Olshan AF. Joint effects of alcohol consumption and polymorphisms in alcohol and oxidative stress metabolism genes on risk of head and neck cancer. *Cancer Epidemiol Biomarkers Prev* 2011; 20 (11): 2438-49
149. Djousse L, Hopkins PN, Arnett DK, Pankow JS, Borecki I, **North KE**, Ellison RC. Chocolate Consumption is Inversely Associated with Calcified Atherosclerotic Plaque in the Coronary Arteries: The NHLBI Family Heart Study. *Clinical Nutrition* 2011; 30 (1): 38-43
150. Rahilly-Tierney CR, Arnett DK, **North KE**, Panko JS, Hunt SC, Ellison RC, Gaziano JM, Djousse L. Apolipoprotein epsilon-4 polymorphism does not modify the association between body mass index and high-density lipoprotein cholesterol: a cross-sectional cohort study. *Lipids in Health and Disease* 2011; 10: 167
151. Franceschini N, Carty C, Bůžková P, Reiner AP, Garrett T, Hindorff LA, Cole SA, Boerwinkle E, Lin DY, Bookman E, Best LG, Bella J, Eaton C, Greenland P, Jenny N, Lin Y, **North KE**, Taverna D, Volckler JS, Young A, Kooperberg C, Psaty B, Heiss G. Association of genetic variants and incident coronary heart disease in multi-

ethnic cohorts. The PAGE Study. *Circ Cardiovasc Genet* 2011; 4 (6): 661-72

152. Luu H, Kingah PL, **North KE**, Boerwinkle E, Volcik K. Interaction of folate intake and the paraoxonase Q192R polymorphism on risk of incident coronary heart disease and ischemic stroke: the Atherosclerosis Risk in Communities (ARIC) Study. *Annals of Epidemiology* 2011; 21 (11): 815-23
153. N'Diaye A; Chen G; Palmer C; Ge B; Tayo B; ...**North KE**...Henderson B; Hirschhorn J; Lettre G; Haiman C. Identification, Replication, and Fine-mapping of Loci Associated with Adult Height in Individuals of African Ancestry. *PLoS Genetics* 2011; 7 (10): e1002298
154. Artigas MS, Loth DW, Wain LV, Gharib SA, Obeidat M, Tang W, Zhai G, Zhao JH, Smith AV, Huffman JE, Albrecht E, Jackson CM, Evans DM, Cadby G, Fornage M, Manichaikul A, Lopez LM, Johnson T, Aldrich MC, Aspelund T, Barroso I, Campbell H, Cassano PA, Couper DJ, Eiriksdottir G, Franceschini N, Garcia M, Gieger C, Gislason GK, Grkovic I, Hammond CJ, Hancock DB, Harris TB, Ramasamy A, Heckbert SR, Heliövaara M, Homuth G, Hysi PG, James AL, Jankovic S, Joubert BR, Karrasch S, Klopp N, Koch B, Kritchevsky SB, Launer LJ, Liu Y, Loehr LR, Lohman K, Loos RJ, Lumley T, Al Balushi KA, Ang WQ, Barr RG, Beilby J, Blakey JD, Boban M, Boraska V, Brisman J, Britton JR, Brusselle GG, Cooper C, Curjuric I, Dahgam S, Deary IJ, Ebrahim S, Eijgelsheim M, Francks C, Gaysina D, Granell R, Gu X, Hankinson JL, Hardy R, Harris SE, Henderson J, Henry A, Hingorani AD, Hofman A, Holt PG, Hui J, Hunter ML, Imboden M, Jameson KA, Kerr SM, Kolcic I, Kronenberg F, Liu JZ, Marchini J, McKeever T, Morris AD, Olin AC, Porteous DJ, Postma DS, Rich SS, Ring SM, Rivadeneira F, Rochat T, Sayer AA, Sayers I, Sly PD, Smith GD, Sood A, Starr JM, Uitterlinden AG, Vonk JM, Wannamethee SG, Whincup PH, Wijmenga C, Williams OD, Wong A, Mangino M, Marciante KD, McArdle WL, Meibohm B, Morrison AC, **North KE**, Omenaas E, Palmer LJ, Pietiläinen KH, Pin I, Pola Sbreve Ek O, Pouta A, Psaty BM, Hartikainen AL, Rantanen T, Ripatti S, Rotter JI, Rudan I, Rudnicka AR, Schulz H, Shin SY, Spector TD, Surakka I, Vitart V, Völzke H, Wareham NJ, Warrington NM, Wichmann HE, Wild SH, Wilk JB, Wjst M, Wright AF, Zgaga L, Zemunik T, Pennell CE, Nyberg F, Kuh D, Holloway JW, Boezen HM, Lawlor DA, Morris RW, Probst-Hensch N; The International Lung Cancer Consortium; GIANT consortium, Kaprio J, Wilson JF, Hayward C, Kähönen M, Heinrich J, Musk AW, Jarvis DL, Gläser S, Järvelin MR, Ch Stricker BH, Elliott P, O'Connor GT, Strachan DP, London SJ, Hall IP, Gudnason V, Tobin MD. Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nat Genet* 2011; 43 (11): 1082-90
155. Irvin MR, Wineinger NE, Rice TK, Pajewski NM, Kabagambe EK, Gu CC, Pankow J, **North KE**, Wilk JB, Freedman BI, Franceschini N, Broeckel U, Tiwari HK, Arnett DK. Genome-Wide Detection of Allele Specific Copy Number Variation Associated with Insulin Resistance in African Americans from the HyperGEN Study. *PLoS One* 2011; 6 (8): e24052
156. Bis JC\*, Kavousi M\*, Franceschini N\*, Isaacs A, Abecasis GR, Schminke U, Post WS, Smith AV, Cupples LA, Markus HS, Schmidt R, Huffman JE, Lehtimäki T, Baumert J, Münzel T, Heckbert SR, Dehghan A, **North KE**, Oostra B, Bevan S, Stoegerer EM, Hayward C, Raitakari O, Meisinger C, Schillert A, Sanna S, Völzke H, Cheng YC, Thorsson B, Fox CS, Rice K, Rivadeneira F, Nambi V, Halperin E, Petrovic KE, Peltonen L, Wichmann HE, Schnabel RB, Dörr M, Parsa A, Aspelund T, Demissie S, Kathiresan S, Reilly MP, Taylor K, Uitterlinden A, Couper DJ, Sitzer M, Kähönen M, Illig T, Wild PS, Orru M, Lüdemann J, Shuldiner AR, Eiriksdottir G, White CC, Rotter JI, Hofman A, Seissler J, Zeller T, Usala G, Ernst F, Launer LJ, D'Agostino RB Sr, O'Leary DH, Ballantyne C, Thiery J, Ziegler A, Lakatta EG, Chilukoti RK, Harris TB, Wolf PA, Psaty BM, Polak JF, Li X, Rathmann W, Uda M, Boerwinkle E, Klopp N, Schmidt H, Wilson JF, Viikari J, Koenig W, Blankenberg S, Newman AB, Witteman J, Heiss G, Duijn C, Scuteri A, Homuth G, Mitchell BD, Gudnason V, O'Donnell CJ; CARDIOGRAM Consortium. Genome-wide Association Studies of Carotid Intima Media Thickness and Plaque: Meta-analysis from the CHARGE Consortium. *Nat Genet* 2011; 43 (10): 940-47  
\* shared first authors
157. Taylor K, Lange L, Reiner A, Smith N, Green D, O'Donnell CJ, Folsom A, Tang W, Delaney JA, Keating B, Lange E, **North KE**, Eaton C, Tracy R, Zabaneh D, Humphries S, Kumari M, Hingorani A, Kivimaki M. A Genome-Wide Association Scan for Coagulation Factor VII (FVII) Levels in European and African Americans: the Candidate Gene Association Resource (CARE) Consortium. *Human Molecular Genetics* 2011; 20 (17): 3525-34
158. Dumitrescu L, Carty CL, Taylor K, Schumacher FR, Hindorff LA, Ambite JL, Anderson G, Best LG, Brown-Gentry K, Bůžková P, Carlson CS, Cochran B, Cole SA, Devereux RB, Duggan D, Eaton CB, Fornage M, Franceschini N, Marchand L, Buyske S, Kooperberg C, **North KE**, Crawford DC. Genetic determinants of lipid

- traits in diverse populations from the Population Architecture using Genomics and Epidemiology (PAGE) Study. *PLoS Genetics* 2011; 30 (6): e1002138
159. Lanktree MB, Guo Y... **North KE**... Hakonarson H, Keating BJ. Meta-analysis of dense gene-centric association studies reveals common and uncommon variants associated with height. *Am J Hum Genet* 2011; 88 (1): 6-18
  160. Demerath EW, Lutsey PL, Monda KL, Kao WHL, Bressler J, Pankow JS, **North KE**, Folsom AR. Interaction of *FTO* SNP rs9939609 and physical activity level on adiposity in non-diabetic African-American and European-American adults. *Obesity* 2011; 19 (9): 1866-72
  161. Matise TC, Ambite JL, Buyske S, Steven CS Carlson, Cole SA, Crawford DC, Haiman CA, Heiss G, Kooperberg C, Marchand L, Manolio TA, **North KE**, Peters U, Ritchie MD, Hindorff LA, Haines JL, for The PAGE Study. The next PAGE in understanding complex traits: study design for analysis of Population Architecture using Genetics and Epidemiology. *American Journal of Epidemiology* 2011; 174 (7): 849-59
  162. Avery CL, He Q, **North KE**, Ambite JL, Boerwinkle E, Fornage M, Hindorff LA, Kooperberg C, Meigs JB, Pankow JS, Pendergrass SA, Psaty BM, Ritchie MD, Rotter JI, Taylor KD, Wilkens LR, Heiss G, Lin DY. A phenomics-based strategy identifies loci on APOC1, BRAP, and PLCG1 associated with metabolic syndrome phenotype domains. *PLoS Genet* 2011; 7 (10): e1002322
  163. Kraja AT, Vaidya D, Pankow JS, Goodarzi MO, Assimes TL, Kullo I, Sovio U, Mathias R,... **North KE** ... Jarvelin M<sup>‡</sup>, Rotter J<sup>†‡</sup>, Chen Y<sup>†‡</sup>, Borecki I. A bivariate genome-wide approach to metabolic syndrome: STAMPEED Consortium. *Diabetes* 2011; 60 (4): 1329-39
  164. Katz EG, Stevens J, Truesdale KP, Cai J, Adair L, **North KE**. Hip Circumference and Incident Metabolic Risk Factors in Chinese Men and Women, the People's Republic of China Study. *Metabolic Syndrome and Related Disorders* 2011; 9 (1): 55-62
  165. Cohen SS, Gammon MD, **North KE**, Millikan RC, Lange EM, Williams SM, Zheng W, Cai Q, Long J, Smith JR, Signorello LB, Blot WJ, Matthews CE. *ADIPOQ*, *ADIPOR1*, and *ADIPOR2* Polymorphisms in Relation to Serum Adiponectin Levels and BMI in Black and White Women. *Obesity (Silver Spring)* 2011; 19 (10): 2053-62
  166. Cohen SS, Gammon MD, Signorello LB, **North KE**, Lange EM, Fowke JH, Hargreaves MK, Cai Q, Zheng W, Blot WJ, Matthews CE. Serum Adiponectin in Relation to Body Mass Index and Other Correlates in Black and White Women. *Annals of Epidemiology* 2011; 21 (2): 86-94
  167. <sup>†‡</sup>Graff M, **North KE**, Monda KL, Lange EM, Lange LA, Guo G, Gordon-Larsen P. The combined influence of genetic factors and sedentary activity on body mass changes from adolescence to young adulthood: the National Longitudinal Adolescent Health Study. *Diabetes Metabolism Research and Reviews* 2011; 27 (1): 63-9
  168. The NS, Suchindran C, **North KE**, Popkin BM, Gordon-Larsen P. Association of Adolescent Obesity With Risk of Severe Obesity in Adulthood. *JAMA* 2010; 304 (18): 2042-47
  169. Hodgson ME, Poole C, Olshan AF, **North KE**, Zeng D, Millikan RC. Smoking and selected DNA repair gene polymorphisms in controls: systematic review and meta-analysis. *Cancer Epidemiology, Biomarkers & Prevention* 2010; 19 (12): 3055-86
  170. Heid IM\*, Jackson AU\*, Randall JC\*, Winkler TW\*, Qi L, Steinthorsdottir V\*, Thorleifsson G\*... **North KE**... Cupples A\*\*, Loos RJF\*\*, Barroso I\*\*, McCarthy MI\*\*, Fox CS\*\*, Mohlke KL\*\*, Lindgren CM\*\*, et al. Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. *Nature Genetics* 2010; 42 (11): 949-60
  171. Lango AH\*, Estrada K\*, Lettre G\*, Berndt S\*, Weedon MN\* ... **North KE** ... Rivadeneira F\*, Abecasis G\*, Stefansson K\*, Frayling TMI\*, Hirschhorn JN\*, et al. Hundreds of variants clustered in genomic loci and biological pathways affect human height. *Nature* 2010; 467 (7317): 832-8
  172. <sup>‡</sup>Speliotes EK\*, Willer CJ\*, Berndt SI\*, Monda KI\*, Thorleifsson G\*, Boehnke M\*, Stefansson K\*... **North KE**\*, McCarthy MI\*, Hirschhorn JN\*, Ingelsson E\*, Loos RJF\*, et al. Association analyses of 249,796 individuals reveal eighteen new loci associated with body mass index. *Nature Genetics* 2010; 42 (11): 937-48
  173. Bi M, Kao WH, Boerwinkle E, Hoogeveen RC, Rasmussen-Torvik LJ, Astor BC, **North KE**, Coresh J, Kottgen A. Association of rs780094 in GCKR with Metabolic Traits and Incident Diabetes and Cardiovascular Disease: The ARIC Study. *PLoS One* 2010; 5 (7): e11690

174. Steube AM, Lyon H, Herring A, Ghosh J, Wise A, **North KE**, Siega-Riz AM. Obesity and diabetes genetic variants associated with gestational weight gain. *American Journal of Obstetrics and Gynecology* 2010; 203 (3): 283.e1-17
175. †‡ Monda KL, **North KE**, Hunt SC, Rao DC, Province MA, Kraja AT. The genetics of obesity and the metabolic syndrome. *Endocr Metab Immune Disord Drug Targets* 2010; 10 (2): 86-108
176. †‡ Yan Y, **North KE**, Heiss G, Klein R, Girman CJ, Lange EM, Pankow JS, Brancati FL, Boerwinkle E. Transcription Factor 7-Like 2 (*TCF7L2*) Polymorphism and Context-Specific Risk of Impaired Fasting Glucose in African American and Caucasian Adults: The Atherosclerosis Risk in Communities (ARIC) Study. *Diabetes/Metabolism Research and Reviews* 2010; 26 (5): 371-7
177. †‡ Yan Y, Klein R, Heiss G, Girman CJ, Lange EM, Klein BE, Rose K, Couper DJ, West SL, Pankow JS, Chambless LE, Brancati FL, Ballantyne CM, Boerwinkle E, Kottgen A, **North KE**. The transcription factor 7-like 2 (*TCF7L2*) polymorphism may be associated with focal arteriolar narrowing in Caucasians with hypertension or without diabetes: the ARIC Study. *BMC Endocrine Disorders* 2010; 10: 9
178. †‡ Joubert BR, **North KE**, Wang Y, Mwapasa V, Franceschini N, Meshnick SR, Lange EM. Comparison of Genome Wide Variation between Malawians and African HapMap Populations. *Journal of Human Genetics* 2010; 55 (6): 366-74
179. Joubert BR, Lange EM, Franceschini N, Mwapasa V, **North KE**, Meshnick SR and The NIAID Center for HIV/AIDS Vaccine Immunology. A whole genome association study of mother-to-child transmission of HIV in Malawi. *Genome Medicine* 2010; 2 (10): 76
180. Yatsuya H, Yamagishi K, **North KE**, Brancati F, Stevens J, Folsom AR, for the ARIC Study Investigators. Associations of obesity measures with subtypes of ischemic stroke in the ARIC Study. *Journal of Epidemiology* 2010; 20 (5): 347-54
181. Joubert BR, Franceschini N, Mwapasa V, **North KE**, Meshnick SR. Regulation of CCR5 expression in human placenta: insights from a study of mother-to-child transmission of HIV in Malawi. *PLoS One* 2010; 5 (2): e9212
182. Yatsuya H, Folsom AR, Yamagishi K, **North KE**, Brancati FL, Stevens J; Atherosclerosis Risk in Communities Study Investigators. Race and sex specific associations of obesity measures with ischemic stroke incidence in the Atherosclerosis Risk in Communities Study (ARIC). *Stroke* 2010; 41 (3): 417-25
183. †Kucharska-Newton A, Monda KL, Bielinski SJ, Boerwinkle E, Rea T, Rosamond WD, Pankow J, Kottgen A, Heiss G, **North KE**. Role of BMI in the association of the TCF7L2 rs7903146 variant with coronary heart disease: the Atherosclerosis Risk in Communities (ARIC) Study. *Journal of Obesity* 2010; pii: 651903
184. Hancock DB, Eijgelsheim M, Wilk JB, Gharib SA, Loehr LR, Marcianti KD, Franceschini N, van Durme YM, Chen TH, Barr RG, Schabath MB, Couper DJ, Brusselle GG, Psaty BM, van Duijn CM, Rotter JI, Uitterlinden AG, Hofman A, Punjabi NM, Rivadeneira F, Morrison AC, Enright PL, ...**North KE**... Heckbert SR, Lumley T, Stricker BH, O'Connor GT, London SJ. Meta-analyses of genome-wide association studies identify multiple loci associated with pulmonary function. *Nature Genetics* 2010; 42(1): 45-52
185. Cheng CY, Reich D, Coresh J, Boerwinkle E, Patterson N, Li M, **North KE**, Tandon A, Bailey-Wilson JE, Wilson JG, Kao WH. Admixture Mapping of Obesity-related Traits in African Americans: The Atherosclerosis Risk in Communities (ARIC) Study. *Obesity* 2010; 18 (3): 563-72
186. Tsai HT, Caroff SN, Miller DD, McEvoy J, Lieberman J, **North KE**, Stroup TS, Sullivan PF. A Candidate Gene Study of Tardive Dyskinesia in the CATIE Schizophrenia Trial. *American Journal of Medical Genetics: Neuropsychiatric Genetics* 2010; 153B (1): 336-40
187. †‡ Tsai H, **North KE**, West SL, Poole C. The DRD3 rs6280 polymorphism and prevalence of tardive dyskinesia: A meta-analysis. *American Journal Medical Genetics B: Nueropsychiatric Genetics* 2010; 153B (1): 57-66
188. **North KE**, Franceschini N, Avery CL, Baird L, Leppert M, Chung JH, Zhang J, Hanis C, Boerwinkle E, Volcik KA, Grove ML, Gu C, Heiss G, Pankow JS, Couper DJ, Ballantyne CM, Kao WHL, Weder AB, Cooper RS, Ehret GB, O'Connor AA, Chakravarti A, Hunt SC. Variation in the checkpoint kinase 2 gene is associated with type 2 diabetes in multiple populations. *Acta Diabetol* 2010; 47 (Suppl 1): 199-207

189. **North KE**, Graff M, Adair LS, Lange EM, Lange LA, Guo G, Nelson MC, Gordon-Larsen P Genetic epidemiology of body mass and body mass change from adolescence to young adulthood. *Obesity* 2010; 18 (7): 1474-76
190. Franceschini N, Voruganti VS, Haack K, Almasy L, Laston S, Goring 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. *Human Genetics* 2009; 127 (3): 295-301
191. D'Aloisio AA, Schroeder JC, **North KE**, Poole C, West SL, Travlos GS, Baird DD. IGF-I and IGFBP-3 polymorphisms in relation to circulating levels among African American and Caucasian women. *Cancer Epidemiol Biomarkers Prev* 2009; 18 (3): 954-66
192. Kerner B, **North KE**, Fallin MD. Use of Longitudinal Data in Genetic Studies in the GWAS Era: Summary of Group 14 Projects. *Genetic Epidemiology* 2009; 33: Supplement 1: S93-S98
193. Feitosa MF, **North KE**, Myers RH, Pankow JS, Borecki IB. Evidence for three novel QTLs for adiposity on chromosome 2 with epistatic interactions: in the NHLBI Family Heart Study. *Obesity* 2009; 17 (12): 2190-95
194. <sup>†±</sup>Monda KL, Ballantyne CM, **North KE**. The effect of six-year changes in physical activity on plasma lipid profile in the Atherosclerosis Risk in Communities (ARIC) Study. *Journal of Lipid Research* 2009; 50 (8): 1685-91
195. Franceschini N, Rose KM, Storti KL, Rutherford S, Voruganti VS, Laston S, Göring HHH, Dyer TD, Umans JG, Lee ET, Best LG, Fabsitz RR, Cole SA, MacCluer JW, **North KE**. Social-and Behavioral-Specific Genetic Effects on Blood Pressure Traits: The Strong Heart Family Study. *Circ Cardiovasc Genet* 2009; 2 (4): 396-401
196. <sup>±</sup>Heard-Costa NL\*, Zillikens MC\*, Monda KL\*, Johansson Å\*, Harris TB\*, Fu M\*, Haritunians T\*, Feitosa MF\*, Aspelund T, Eiriksdottir G, Garcia M, Launer LJ, Smith AV, Mitchell BD, McArdle PF, Shuldiner AR, Bielinski SJ, Boerwinkle E, Brancati F, Demerath EW, Pankow JS, Arnold AM, Chen YI, Glazer NL, McKnight B, Psaty BM, Rotter JI, Amin N, Campbell H, Gyllensten U, Pattaro C, Pramstaller PP, Rudan I, Struchalin M, Vitart V, Gao X, Kraja A, Province MA, Zhang Q, Atwood LD, Dupuis J, Hirschhorn JN, Jaquish CE, O'Donnell CJ, Vasani RS, White CC, Aulchenko YS, Estrada K, Hofman A, Rivadeneira F, Uitterlinden AG, Witteman JCM, Oostra BA\*\*, Kaplan RC, Gudnason V\*\*, O'Connell JR\*\*, Borecki IB\*\*, van Duijn CM\*\*, Cupples LA\*\*, Fox CS\*\*, **North KE\*\***. *NRXN3* is a Novel Locus for Waist Circumference: A Genome-wide Association Study from the CHARGE Consortium. *PLoS Genetics* 2009; 5 (6): e1000539
197. Basu A, Tang H, Lewis CE, **North KE**, Curb JD, Quertermous T, Mosley TH, Boerwinkle E, Zhu X Risch NJ. Admixture mapping of quantitative trait loci for blood lipids in African Americans. *Human Molecular Genetics* 2009; 18 (11): 2091-8
198. <sup>†±</sup>Li X, Franceschini N, Göring HHH, Haack K, Diego VP, Almasy L, Laston S, Howard BV, Lee ET, Best LG, Fabsitz RR, Cole SA, MacCluer JW, **North KE**. Genome-wide linkage scan for plasma high density lipoprotein cholesterol and triglyceride among American Indian populations: the Strong Heart Family Study. *J of Medical Genetics* 2009; 46 (7): 472-79
199. <sup>±N</sup> Franceschini, **North KE**, D Arnett, JS Pankow, JH Chung, L Baird, MF Leppert, JH Eckfeldt, E Boerwinkle, CC Gu, CE Lewis, RH Myers, ST Turner, A Weder, WH Kao, TH Mosley, A Chakravarti, H Kramer, J Zhang, SC Hunt SC. The association of *cell cycle checkpoint2* variants and kidney function: findings of the Family Blood Pressure Program and the Atherosclerosis Risk in Communities study. *Am J Hypertens* 2009; 22 (5): 552-8
200. Joubert B, Diao G, Lin D, **North KE**, Franceschini N. Longitudinal age dependent effect on systolic blood pressure. *BMC Proceedings* 2009; Supplement 7: S87
201. <sup>†±</sup>Yan Y, Hu Y, **North KE**, Franceschini N, Lin D. Evaluation of Population Impact of Candidate Polymorphisms for Coronary Heart Disease in the Framingham Offspring Study. *BMC Proceedings Supplement* 2009; 7: S118
202. <sup>†±</sup>Avery CL, Monda K, **North KE**. Genetic association studies and the effect of misclassification and selection bias in putative confounders. *BMC Proceedings* 2009; 7: S48
203. <sup>†±</sup>Mottl AK, Vupputuri S, Cole SA, Almasy L, Göring HHH, Diego VP, Laston S, Shara N, Lee ET, Best LG, Fabsitz RR, MacCluer JW, Umans JG, and **North KE**. Linkage analysis of albuminuria in American Indians: The Strong Heart Family Study. *J Am Soc Neph* 2009; 20 (7): 1597-1606
204. Best LG, Ferrell RE, DeCruo S, **North KE**, MacCluer JW, Zhang Y, Lee ET, Howard BV, Umans JG, Palmieri V, Garred P. Genetic and other factors determining mannose-binding lectin levels in American Indians: The Strong



205. McCarty KM, Santella RM, Steck SE, Cleveland RJ, Ahn J, Ambrosone CB, **North KE**, Sagiv SK, Eng SM, Teitelbaum SL, Neugut AI, Gammon MD. PAH-DNA Adducts, Cigarette Smoking, *GST* Polymorphisms, and Breast Cancer Risk. *Environmental Health Perspectives* 2009; 117 (4): 552-8
206. †‡Yan Y, **North KE**, Ballantyne CM, Brancati FL, Chambless EL, Franceschini N, Heiss G, Kottgen A, Pankow JS, Selvin E, West S, Boerwinkle E. Transcription factor 7-like 2 (*TCF7L2*) Polymorphism and Context Specific Risk of Type 2 Diabetes in African American and Caucasian Adults: The Atherosclerosis Risk in Communities (ARIC). *Diabetes* 2009; 58 (1): 285-9
207. Wu J, Pankow J, Tracy R, **North KE**, Myers RH, Feitosa ME, Province MA, Borecki IB. A QTL on 12q Influencing a Marker of Inflammation and Body Mass Index in Women: NHLBI Family Heart Study. *Obesity* 2009; 17 (3): 525-31
208. Best LG, **North KE**, Li X, Goring HH, Lee ET, Umans JG, Cole S, MacCluer JW, Laston S, Almasy L, Palmieri V, Tracy RP. Linkage Study of Fibrinogen Levels: The Strong Heart Family Study. *BMC Medical Genetics* 2008; 9: 77
209. Kraja AT, Huang P, Tang W, Hunt SC, **North KE**, Lesiw CE, Devereux RB, de Simone G, Arnett DK, Rice T, Rao DC. QTLs of Factors of the Metabolic Syndrome and Echocardiographic Phenotypes: The Hypertension Genetic Epidemiology Network Study. *BMC Medical Genetics* 2008; 9: 103
210. †‡Mottl AM, Vupputuri S, Cole SA, Almasy L, Göring HHH, Diego VP, Laston S, Nora Franceschini N, Howard BV, Lee ET, Best LG, Fabsitz RR, MacCluer JW, Umans JG, **North KE** Linkage Analysis of Glomerular Filtration Rate in American Indians: The Strong Heart Family Study. *Kidney International* 2008; 74 (9): 1185-91
211. Golembesky AK, Gammon MD, **North KE**, Bensen JT, Schroeder JC, Teitelbaum SL, Neugut AI, Santella RM. Peroxisome proliferator-activated receptor-alpha (*PPARA*) genetic polymorphisms and breast cancer incidence: a Long Island ancillary study. *Carcinogenesis* 2008; (10): 1944-9
212. †‡Mottl A, Shoham D, **North KE**. Angiotensin II type 1 receptor polymorphisms and susceptibility to hypertension: a HuGE review. *Genetics in Medicine* 2008; 10 (8): 560-74
213. †‡Franceschini N, Almasy L, MacCluer JW, Goring HHH, Cole SA, Diego VP, Laston S, Howard BV, Lee E, Best LG, Fabsitz RR, **North KE**. Diabetes-Specific Genetic Effects on Obesity Traits in American Indian Populations: The Strong Heart Family Study. *BMC Medical Genetics* 2008; 9 (1): 90
214. Köttgen A, Hwang SJ, Rampersaud E, Coresh J, **North KE**, Pankow JS, Meigs JB, Florez JC, Parsa A, Levy D, Boerwinkle E, Shuldiner AR, Fox CS & Kao WHL. *TCF7L2* variants associate with CKD progression and renal function in population-based cohorts. *J Am Soc Nephrol* 2008; 19 (10): 1989-99
215. †‡Mosher MJ, Lange LA, Howard BV, Lee ET, Best LG, Fabsitz RR, MacCluer JW and **North KE**. Sex-specific interaction between *APOE* genotype and carbohydrate intake affects plasma HDL-C levels: The Strong Heart Family Study. *Genes and Nutrition* 2008; 3 (2): 87-97
216. Huang P, Kraja AT, Tang W, Pankow JS, Hunt SC, **North KE**, Lewis CE, Devereux RB, de Simone G, Arnett DK, Rice T, Rao DC. Factor Relationships of Metabolic Syndrome and Echocardiographic Phenotypes in the HyperGEN Study. *J of Hypertens* 2008; 26 (7): 1360-6
217. Bielinski SJ, Pankow JS, Folsom AR, **North KE**, Boerwinkle E. *TCF7L2* SNPs, cardiovascular disease, and all-cause mortality: The Atherosclerosis Risk in Communities (ARIC) Study. *Diabetologia* 2008; 51 (6): 968-70
218. Zhang Q, Lewis CE, Wagenknecht LE, Myers RH, Pankow JS, Hunt SC, **North KE**, Hixson J, Carr JJ, Shimmin LC, Borecki I, Province MA. Genome-wide admixture mapping for coronary artery calcification in African Americans: the NHLBI family heart study. *Genetic Epidemiology* 2008; 32 (3): 264-72
219. Lucove JC, Vupputuri S, Heiss G, **North KE**, Russell M. Metabolic syndrome and chronic kidney disease: the Strong Heart Study. *American Journal of Kidney Disease* 2008; 51 (1): 21-8

220. †‡Franceschini N, MacCluer JW, Rose KM, Rutherford S, Cole SA, Laston S, Goring HHH, Diego VP, Roman MJ, Lee ET, Best LG, Howard BV, Fabsitz RR, **North KE**. Genome-wide linkage analysis of pulse pressure in American Indians: The Strong Heart Study. *Amer J Hypertension* 2008; 21 (2): 194-9
221. Djoussé L, Kochar J, Hunt SC, **North KE**, Gu C, Tang W, Arnett DK, Devereux RB. Relation of Albuminuria to Left Ventricular Mass (From the HyperGEN Study). *American Journal of Cardiology* 2008; 101 (2): 212-16
222. †‡Lee CR, **North KE**, Bray MS, Couper D, Heiss G, Zeldin D. Cyclooxygenase Polymorphisms and Risk of Cardiovascular Events: The Atherosclerosis Risk in Communities (ARIC) Study. *Clinical Pharmacology and Therapeutics* 2008; 83 (1): 52-60
223. **North KE**, Martin LJ. The importance of gene-environment interaction: Implications for social scientists. *Sociological Research and Methods* 2008; 37 (2): 164-200
224. Tang W, Pankow JS, Carr JJ, Tracy RP, Bielinski SJ, **North KE**, Hopkins PN, Kraja AT, Arnett DK. Association of sICAM-1 and MCP-1 with coronary artery calcification in families enriched for coronary heart disease or hypertension: the NHLBI Family Heart Study. *BMC Cardiovascular Disorders* 2007; 7 (1): 30
225. Felini MJ, Olshan AF, Wrensch MR, Carozza SE, **North KE**, Schroeder JC, Kelsey KT, Miike R, Moghadassi M. DNA Repair Polymorphisms *XRCC1* and *MGMT* polymorphisms and risk of adult gliomas. *Neuroepidemiology* 2007; 29 (1-2): 55-8
226. Cordell HJ, de Andrade M, Barbon M, Bartlett CW, Beyene J, Bickeboller H, Culverhouse R, Cupples LA, Daw EW, Dupris J, Falk CT, Ghosh S, Goddard KA, Goode EL, Hauser ER, Martin LJ, Martinez M, **North KE**, Saccone NL, Schmidt S, Tapper W, Thomas D, Tritchler D, Vieland VJ, Wijsman EM, Wilcox MA, Witte JS, Yang Q, Ziegler A, Almasy L, MacCluer JW. Genetic Analysis Workshop 15: Gene Expression Analysis and Approaches to Detecting Multiple Functional Loci. *BMC Proceedings* 2007, 1 (Suppl 1): S1
227. Pedersen BR, Kamwendo D, Blood M, Zimmerman P, Mwapasa V, Molyneux M, **North KE**, Rogerson SJ, Meshnick S. CCR5 haplotypes and mother-to-child HIV transmission in Malawi. *Plos One* 2007; 2 (9): e838
228. †Martin LJ, Woo JG, Avery CL, Chen H, **North KE**. Multiple testing in the genomics era: Findings from GAW15. *Genetic Epidemiology* 2007; 31 (Supplement 1): S124-S131
229. †‡Wojczynski MK, **North KE**, Pederson N, Sullivan PF. Irritable Bowel Syndrome: A Co-twin Control Analysis. *American Journal of Gastroenterology* 2007; 102 (10): 2220-9
230. †‡Franceschini N, Wojczynski M, Göring HHH, Peralta JM, Dyer TD, Li X, Li H, **North KE**. Comparison of Strategies for Identification of Regulatory Quantitative Trait Loci of Transcript Expression Traits. *BMC Proceedings* 2007; 1 (Suppl 1): S85
231. Gooden KM, Schroeder JC, **North KE**, Gammon MD, Hartmann KM, Taylor J, Baird DD. Val153Met Polymorphism of Catechol-O-Methyltransferase and prevalence of uterine leiomyomata. *Reproductive Sciences* 2007; 14 (2): 117-20
232. Lynch AI, Arnett DK, Pankow JS, Miller MB, **North KE**, Eckfeldt JH, Hunt SC, Rao DC, Djoussé L. Sex Specific Effects of ACE I/D and AGT-M235T on pulse pressure: The HyperGEN study. *Human Genetics* 2007; 122 (1): 33-40
233. Guo G, **North KE**, Gorden-Larsen P, Bulik C, Choi S. Body Mass, *DRD4*, Physical Activity, Sedentary Behavior, and Family Socioeconomic Status: The Add Health Study. *Obesity* 2007; 15 (5): 119-206
234. †‡Muallem H, **North KE**, Kakoki M, Wojczynski MK, Li X, Grove M, Boerwinkle E, Wilhelmsen K, Heiss G, Maeda N. Quantitative Effects of Common Genetic Variations in the 3'UTR of the Human LDL-Receptor Gene and their Associations with Plasma Lipid Levels in the Atherosclerosis Risk in Communities (ARIC) Study.

235. Voutilainen S, Tuomainen T, Korhonen M, Mursu J, Virtanen JK, Happonen P, Alftan G, Erlund I, **North KE**, Mosher MJ, Kauhanen J, Tiihonen J, Kaplan GA, Salonen JT. Functional *COMT* Val158Met polymorphism, risk of acute coronary events and serum homocysteine: the Kuopio Ischaemic Heart Disease Risk Factor Study. *PLoS One* 2007; 2: e181
236. <sup>†±</sup>Lee CR, **North KE**, Bray MS, Couper D, Heiss G, Zeldin DC. CYP2J2 and CYP2C8 polymorphisms and coronary heart disease risk: The Atherosclerosis Risk in Communities (ARIC) Study. *Pharmacogenetics and Genomics* 2007; 17 (5): 349-58
237. **North KE**, Franceschini N, Borecki IB, Gu CC, Heiss G, Province MA, Arnett D, Lewis CE, Miller MB, Myers RH, Hunt SC, Freedman BI. Genotype-by-sex interaction on fasting insulin concentration: The HyperGEN Study. *Diabetes* 2007; 56 (1): 137-42
238. Leon JM, Freedman BI, Miller MB, **North KE**, Hunt SC, Eckfeldt JH, Lewis CE, Kraja A, Djoussé L, Arnett D. Genome scan of glomerular filtration rate and albuminuria: The HyperGEN Study. *Nephrology, Dialysis, Transplantation* 2007; 22 (3): 763-71
239. **North KE**, Carr JJ, Borecki IB, Kraja A, Province M, Pankow JS, Wilk J, Hixson JE, Heiss G, FHS Investigators. QTL-specific genotype-by-smoking interaction and burden of coronary atherosclerosis: The NHLBI Family Heart Study. *Atherosclerosis* 2007; 193 (1): 11-19
240. Kraja AT, Borecki I, **North KE**, Tang W, Myers RM, Hopkins PN, Arnett D, Corbet J, Adelman A, Province MA. Longitudinal and age trends of metabolic syndrome and its risk factors: The Family Heart Study. *Nutrition and Metabolism* 2006; 3: 41
241. Williamson DM, White MC, Poole C, Kleinbaum D, Vogt R, **North KE**. Evaluation of serum immunoglobulins among individuals living near six Superfund Sites. *Environmental Health Perspectives* 2006; 114 (7): 1065-71
242. <sup>†±</sup>Avery CL, Freedman BI, Kraja A, Borecki IB, Arnett D, Miller MB, Pankow JS, Lewis CE, Myers RH, Hunt SC, **North KE**. Genotype-by-sex interaction in the aetiology of type 2 diabetes: Support for sex-specific quantitative trait loci in Hypertension Genetic Epidemiology Network participants. *Diabetologia* 2006; 49 (10): 2329-36
243. <sup>†±</sup>Lee CR, **North KE**, Bray MS, Avery CL, Mosher MJ, Couper DJ, Coresh J, Folsom AR, Boerwinkle E, Heiss G, Zeldin DC. NOS3 polymorphisms, cigarette smoking, and cardiovascular disease risk: the Atherosclerosis Risk in Communities study. *Pharmacogenetics and Genomics*. 2006; 16 (12): 891-99
244. <sup>†±</sup>Franceschini N, MacCluer JW, Göring HH, Cole SA, Rose KM, Almasy L, Diego V, Laston S, Lee ET, Howard B, Best LG, Fabsitz RR, Roman M, **North KE**. Quantitative trait loci-specific gene-by-sex interaction on systolic blood pressure among American Indians: The Strong Heart Family Study. *Hypertension* 2006; 48 (2): 266-70
245. <sup>†±</sup>Lee CR, **North KE**, Bray MS, Fornage M, Seubert JM, Newman JW, Hammock BD, Couper DJ, Heiss G, Zeldin DC. Genetic variation in soluble epoxide hydrolase (*EPHX2*) and risk of coronary heart disease: An Atherosclerosis Risk in Communities (ARIC) Study. *Human Molecular Genetics* 2006; 15 (10): 1640-49
246. Diego VP, Göring HH, Cole SA, Almasy L, Dyer TD, Blangero J, Duggirala R, Laston S, Wenger C, Cantu T, Dyke B, **North KE**, Schurr T, Best LG, Devereux RB, Fabsitz RR, Howard BV, MacCluer JW. Fasting insulin and obesity-related phenotypes are linked to chromosome 2p: The Strong Heart Family Study. *Diabetes* 2006; 55 (6): 1874-8
247. Zeng D, Lin DY, Avery CL, **North KE**, Bray MS. Efficient semiparametric estimation of haplotype-disease associations in case-cohort and nested case-control studies. *Biostatistics* 2006; 7 (3): 486-502
248. Tang W, Arnett DK, Province MA, Lewis CE, **North KE**, Carr JJ, Pankow J, Hopkins PN, Devereux RR, Wilk Wagenknecht L. Racial differences in the association of coronary calcified plaque with left ventricular hypertrophy. *American Journal of Cardiology* 2006; 97 (10): 1441-8

249. Huang K, Sandler RS, Millikan RC, Schroeder JC, **North KE**, Hu J. *GSTMI* and *GSTT1* polymorphisms, cigarette smoking, and risk of colon cancer: A population-based case-control study in North Carolina. *Cancer Causes and Control* 2006; 17 (4): 385-94
250. Nelson MC, Gordon-Larsen P, **North KE**, Adair LS. Body mass index gain, fast food, and physical activity: Effects of shared environments over time. *Obesity* 2006; 14 (4): 701-9
251. <sup>†‡</sup>Franceschini N, **North KE**, Kopp J, McKenzie L, Winkler C. *NPHS2* gene nephrotic syndrome and focal segmental glomerulosclerosis: A HUGE review. *Genetics in Medicine* 2006; 8 (2): 63-75
252. Guo G, **North KE**, Choi S. *DRD4* gene variant associated with body mass: The National Longitudinal Adolescent Health Study. *Human Mutation* 2006; 27 (3): 236-41
253. Feitosa MF, Rice T, **North KE**, Kraja A, Rankinen T, Leon AS, Skinner J, Blangero J, Wilmore JH, Bouchard C, Rao DC. Pleiotropic QTL on chromosome 19q13 for triglycerides and adiposity: The HERITAGE Family Study. *Atherosclerosis* 2006; 185 (2): 426-32
254. **North KE**, Goring HH, Cole S, Diego VP, Almasy L, Laston S, Cantu T, Howard BV, Lee ET, Best LG, Fabsitz R, MacCluer JW. Linkage analysis of LDL cholesterol in American Indian populations: The Strong Heart Family Study. *Journal of Lipids Research* 2006; 47 (1): 59-66
255. Sansbury LB, Millikan RC, Schroeder JC, **North KE**, Moorman P, Keku T, Rene' de Cotret A, Player J, Sandler RS. *COX-2* polymorphism, use of nonsteroidal anti-inflammatory drugs, and risk of colon cancer in African Americans. *Cancer Causes and Control* 2006; 17 (3): 257-66
256. <sup>†‡</sup>Mosher MJ, Martin LJ, Cupples LA, Yang Q, Dyer TD, Williams JT, **North KE**. Genotype-by-sex interaction in the regulation of high-density lipoprotein: The Framingham Heart Study. *Human Biology* 2005; 77 (6): 773-93
257. Malhotra A, Coon H, Feitosa MF, Li W, **North KE**, Price RA, Bouchard C, Hunt SC, Wolford JK, The American Diabetes Association GENNID Study Group. Meta-analysis of genome-wide linkage studies for quantitative lipid traits in African Americans. *Human Molecular Genetics* 2005; 14 (24): 3955-62
258. Rasmussen-Torvik L, **North KE**, Gu C, Lewis C, Wilk J, Chakravarti A, Chang YP, Miller M, Li N, Devereux RB, Arnett D. A population association study of angiotensinogen polymorphisms and haplotypes with left ventricular phenotypes. *Hypertension* 2005; 46 (6): 1294-9
259. **North KE**, Almasy L, Goring HH, Cole S, Diego VP, Laston S, Cantu T, Williams JT, Howard BV, Lee ET, Best LG, Fabsitz RR, MacCluer JW. Linkage analysis of factors underlying insulin Resistance: Strong Heart Family Study. *Obesity Research* 2005; 13 (11): 1877-84
260. Zhang Y, Lee ET, Cowan LD, **North KE**, Howard BV. Hysterectomy prevalence and cardiovascular disease risk factors in American Indian women. *Maturitas* 2005; 52 (3-4): 328-36
261. Sansbury LB, Millikan RC, Moorman P, Schroeder JC, **North KE**, Sandler R. Use of nonsteroidal anti-inflammatory drugs and risk of colon cancer in a population-based, case-control study of African Americans and Whites. *American Journal of Epidemiology* 2005; 162 (6): 548-58
262. <sup>†‡</sup>Avery CL, Martin LJ, Williams JT, **North KE**. Accuracy of haplotype estimation in a region of low linkage disequilibrium. *BMC Genetics* 2005; 6 (Supplement 1): s80
263. <sup>‡</sup>Martin LJ, Avery, CL, Williams JT, **North KE**. Quantitative trait locus-specific genotype by alcoholism interaction on linkage for evoked electroencephalogram oscillations. *BMC Genetics* 2005; 6 (Supplement 1): s123
264. Lewis CE, **North KE**, Arnett DK, Borecki IB, Coon H, Ellison RC, Hunt SC, Oberman A, Rich SS, Province MA, Miller MB. Sex-specific findings from a genome-wide linkage analysis of human fatness in non-Hispanic whites and African Americans: The HyperGEN Study. *International Journal of Obesity* 2005; 29 (6): 639-49
265. **North KE**, Miller MB, Coon H, Martin LJ, Peacock JM, Arnett DK, Zhang B, Province M, Oberman A, Blangero J, Almasy L, Ellison RC, Heiss G. Evidence for a gene influencing fasting LDL cholesterol and triglyceride levels on chromosome 21q. *Atherosclerosis* 2005; 179 (1): 119-25

266. Best LG, **North KE**, Tracy R, Lee, ET, Howard BV, Palmieri V, MacCluer JW. Genetic determination of acute phase reactant levels: The Strong Heart Study. *Human Heredity* 2004; 58 (2): 112-16
267. †±Avery CL, Freedman BI, Heiss G, Kraja A, Rice T, Arnett D, Miller MB, Pankow JS, Lewis CE, Myers R, Hunt SC, Almasy L, **North KE**, Hypertension Genetic Epidemiology Network. Linkage analysis of diabetes status among hypertensive families: The Hypertension Genetic Epidemiology Network Study. *Diabetes* 2004; 53 (12): 3307-12
268. **North KE**, Rose KM, Borecki IB, Oberman A, Hunt SC, Miller MB, Almasy L, Blangero J, Pankow JS. Evidence for a gene on chromosome 13 influencing postural systolic blood pressure change and body mass index. *Hypertension* 2004; 43 (4): 780-84
269. Bella JN, MacCluer JW, Roman MJ, Almasy L, **North KE**, Best LG, Lee ET, Fabsitz RR, Howard BV, Devereux RB. Heritability of left ventricular dimensions and mass in American Indians: The Strong Heart Study. *Journal of Hypertension* 2004; 22: 281-86
270. Best L, Davidson M, **North KE**, MacCluer JW, Zhang Y, Lee ET, Howard BV, DeCruo S, Ferrell R. Prospective analysis of mannose-binding lectin genotypes and coronary artery disease in American Indians: The Strong Heart Study. *Circulation* 2004; 109 (4): 471-75
271. Rose KM, **North KE**, Arnett DK, Ellsion RC, Hunt S, Lewis CE, Tyroler HA. Blood pressure and pulse responses to three stressors: Associations with sociodemographic characteristics and cardiovascular risk factors. *Journal of Human Hypertension* 2004; 18 (5): 333-41
272. Arnett DK, Miller MB, Coon H, Ellison RC, **North KE**, Province M, Leppert M, Eckfeldt J. Genome-wide linkage analysis replicates susceptibility locus for fasting plasma triglycerides: NHLBI Family Heart Study. *Human Genetics* 2004; 115 (6): 468-74
273. **North KE**, Howard BV, Welty TK, Best LG, Lee ET, Yeh JL, Fabsitz RR, Roman MJ, MacCluer JW. Genetic and environmental contributions to cardiovascular disease risk factors in American Indians: The Strong Heart Family Study. *American Journal of Epidemiology* 2003; 157 (4): 303-14
274. Bataller R, **North KE**, Brenner DA. Genetic polymorphisms and the progression of liver fibrosis: A critical appraisal. *Hepatology* 2003; 37 (3): 493-503
275. **North KE**, MacCluer JW, Williams JT, Welty TK, Best LG, Lee ET, Fabsitz RR, Howard BV. Evidence for distinct genetic effects on obesity and lipid-related CVD risk factors in diabetic compared to non-diabetic American Indians: The Strong Heart Family Study. *Diabetes/Metabolism Research Reviews* 2003; 19 (2): 140-47
276. **North KE**, Williams JT, Welty TK, Best LG, Lee ET, Fabsitz RR, Howard BV, MacCluer JW. Evidence for joint action of genes on diabetes status and CVD risk factors in American Indians: The Strong Heart Family Study. *International Journal of Obesity* 2003; 27: 491-97
277. Tang W, Miller MB, Rich, SS, **North KE**, Pankow JS, Borecki, IB, Myers RH, Hopkins PN, Leppert M, Arnett DK. Linkage analysis of a composite factor for the multiple metabolic syndrome (MMS): The NHLBI Family Heart Study. *Diabetes* 2003; 52 (11): 2840-47
278. **North KE**, Martin LJ, Dyer T, Comuzzie AG, Williams JT, Framingham Heart Study. HDL cholesterol in females in the Framingham Heart Study is linked to a region of chromosome 2q. *BMC Genetics* 2003; 4 (Suppl 1): S95
279. Martin LJ, **North KE**, Dyer T, Blangero J, Comuzzie AG, Williams JT. Phenotypic, genetic and genome-wide structure in the metabolic syndrome. *BMC Genetics* 2003; 4 (Suppl 1): S95
280. Goldin LR, Camp NJ, Keen KJ, Martin LJ, Moslehi R, Ghosh S, **North KE**, Wyszynski DF, Blacker D. Analysis of metabolic syndrome phenotypes in Framingham Heart Study families from Genetic Analysis Workshop 13. *Genetic Epidemiology* 2003; 25 Suppl 1: S78-S89
281. **North KE**, Williams K, Williams JT, Best LG, Lee ET, Fabsitz RR, Howard BV, Gray RS, MacCluer JW. Evidence of genetic factors underlying the insulin resistance syndrome in American Indians. *Obesity Research* 2003; 11 (12): 1444-48
282. Bella JN, MacCluer JW, Roman MJ, Almasy L, **North KE**, Welty TK, Lee ET, Fabsitz RR, Howard BV, Devereux RB. Genetic influences on aortic root size in American Indians: The Strong Heart Study. *Arteriosclerosis, Thrombosis, and Vascular Biology* 2002; 22 (6): 1008-11
283. **North KE**, MacCluer JW, Devereux RB, Howard BV, Welty TK, Best LG, Lee ET, Fabsitz RR, Roman MJ. Heritability of carotid artery structure and function: The Strong Heart Family Study. *Arteriosclerosis, Thrombosis, and Vascular Biology* 2002; 22 (10): 1698-1703
284. Martin LJ, Comuzzie AG, **North KE**, Williams JT, Blangero J. The utility of Bayesian model averaging for detecting known oligogenic effects. *Genetic Epidemiology* 2001; 21 (Suppl 1): S789-S93

285. Williams JT, **North KE**, Martin LJ, Comuzzie AG, Goring HH, Blangero J. Distribution of LOD scores in oligogenic linkage analysis. *Genetic Epidemiology* 2001; 21 (Suppl 1): S805-S810
286. **North KE**, Martin LJ, Crawford MH. The origins of the Irish Travellers and the genetic structure of Ireland. *Annals of Human Biology* 2000; 27 (5): 453-65
287. **North KE**, MacCluer JW, Cowan LD, Howard BV. Gravidity and parity in post-menopausal American Indian women: The Strong Heart Study. *Human Biology* 2000; 72 (3): 397-414
288. **North KE**, Crawford MH, Relethford JH. Spatial variation of anthropometric traits in Ireland. *Human Biology* 1999; 71 (5): 823-45
289. **North KE**, Crawford MH. Isonymy and repeated pairs analysis: The mating structure of Acceglio, Italy, 1889-1968. *Rivista di Antropologia* 1996; 74: 93-103

### Submitted

1. ±KC. Taylor, DS. Evans, DR. Velez Edwards, TL. Edwards, G Lie, Y Liu, N Franceschini, RD. Jackson, M Donneyong AZ. LaCroix, J M. Jordan, JA. Robbins, B Lewis, ML. Stefanick, M Garcia, T Harris, JA. Cauley, and **KE. North** (Submitted to Bone) A genome-wide association study meta-analysis of incident osteoporotic fracture in 10,012 African American women.
2. Q Qi, SM. Gogarten, LS. Emery, T Louie, A Stilp, J Cai, N Schneiderman, ML Avilés-Santa, R C. Kaplan, **KE. North**, CC. Laurie, R.J.F. Loos, CR. Isasi (submitted) Genetic variants near IRS1 are associated with elevated body fat percentage and a favorable cardiometabolic profile in US Hispanics/Latinos: the Hispanic Community Health Study/Study of Latinos (HCHS/SOL).
3. A. E. Sanders, Q. Wong, T. Sofer, C. Agler, J. R. Shaffer, J. D. Beck, S. Offenbacher, J. Atkinson, C. R. Salazar, **K. E. North**, M. L. Marazita, C. C. Laurie, K. Divaris (submitted) Chronic Periodontitis Genome-Wide Association Study among Hispanics/Latinos.
4. MR. Robinson, A Kleinman, M Graff, AA.E. Vinkhuyzen, WJ. Peyrot, A Abdellaoui, B Zietsch, The LifeLines Cohort Study, GIANT, S Medland, NG. Martin, M Landen, P Lichtenstein, PK. E. Magnusson, NL. Pedersen, M McGue, **KE. North**, J Yang, PM. Visscher (submitted) Genetic evidence of mating for height and body mass index in humans.
5. B Hidalgo, T Sofer, Q Qi, N Schneiderman, I Chen, J Rotter, J Cai, CC. Laurie, A Stilp, **KE North**, D Arnett (submitted) Associations between SLC16A11 variants and type-2 diabetes in the Hispanic Community Health Study / Study of Latinos (HCHS/SOL)
6. C Liu, RE Marioni, ÅK Hedman, LPfeiffer, P Tsai, LM Reynolds, AC Just, Q Duan, CiG Boer, T Tanaka, CE Elks, S Aslibekyan, **KE North**, Y Liu, M Waldenberger, SJ London, E Ingelsson, D Levy (submitted ) A DNA Methylation Biomarker of Alcohol Consumption
7. SP. Sajuthi, NK. Sharma, JW. Chou, ND. Palmer, **KE. North**, CA. Haiman, CD. Langefeld, SK. Das (submitted) Mapping Adipose and Muscle Tissue Expression Quantitative Trait Loci in African Americans to Identify Genes for Type 2 Diabetes and Obesity.
8. PJ Law, SI Berndt, HE Speedy, NJ Camp, GP Sava, CF Skibola, **KE North**, DJ Allsup, JF Fraumeni Jr,....., N Rothman, R Houlston, S Slager (submitted) Genome-wide association analysis implicates dysregulation of immunity genes in chronic lymphocytic leukemia
9. ±M Graff\*, R Scott\*, AE Justice\*, KL Young\*, MF Feitosa, L Barata, TW Winkler, **KE North**, A Chu et al. Genome-wide physical activity interactions in obesity — a meta-analysis of 200,452 adults.
10. † ±AE Justice\*, T Karaderi\*, HM Highland\*, KL Young\*, M Graff, I Borecki, CM Lindgren, RJF Loos, **KE North\*** LA Cupples\*, et al., on behalf of the GIANT, GoT2D, BBRMI-NL, and CHARGE consortia. Low-frequency variation in protein-coding sequences contribute to fat distribution
11. † ±AE Justice\*, T Winkler\*, N Heard-Costa\*, K Young\*, J Czajkowski, M Graff, X Deng, V Fisher, TS Ahluwalia, T Kilpeläinen, I Borecki\*, **KE North\***, LA Cupples\*, et al. Genome-wide meta-analysis of smoking-dependent genetic effects on obesity traits.
12. † ±Avery CL, Wassel CL, Richard MA, Highland HM, Bien S, Zubair N, Soliman E, Fornage M, Bielenski SJ, Tao R, Seyerle AA, Shah SJ, Lloyd-Jones DM, Buyske S, Hindorff LA, Jeff JM, Shohet RV, Sotoodehnia N, Lin

- DY, Whitsel EA, Peters U, Haiman CA, Crawford DC, Kooperberg C, **North KE**. Fine-Mapping of QT Regions in Global Populations Refines Previously Identified QT Loci and Identifies Signals Unique to African and Hispanic Descent Populations.
13. Seyerle AA, Sitlani CM, **North KE**, Lee CT, Whitsel EA, Stürmer T, Avery CL. Effect of Bias and Misclassification on Gene-Environment Studies Conducted in Observational Cohort Settings: A Simulation Study
  14. Seyerle AA, Sitlani CM, Noordam R, Gogarten SM, Li J, Li X, Evans DS, Sun F, Isaacs A, Stewart J, Trompet S, Bis JC, Peloso GM, Brody JA, Broer L, Busch EL, Duan Q, Stilp AM, O'Donnell C, MacFarlane P, Floyd JS, Kors JA, Lin HJ, Li-Gao R, Sofer T, Giráldez RM, Cummings SR, Heckbert SR, Hofman A, Ford I, Li Y, Newton-Cheh C, Napier MD, Kerr KK, Prener AP, Rice KM, Roach J, Buckley BM, Soliman EZ, de Mutsert R, Sotoodehnia N, Uitterlinden AG, **North KE**, Lee C, Strümer T, Taylor KD, Wiggins KL, Wilson JG, Chen Y-DI, Kaplan RC, Wilhelmsen K, Cupples LA, Salomaa V, Jukema JW, Liu Y, Rosendaal FR, Lange LA, Vasán RS, Smith A, Stricker BH, Laurie CC, Rotter JI, Whitsel EA, Psaty BM, Avery CL. Pharmacogenomics Study of Thiazide Diuretics and QT Interval in Multi-Ethnic Populations: The Cohorts for Heart and Aging Research using Genomic Epidemiology Pharmacogenetics Working Group (CHARGE PWG).
  15. ±Park AJ, Graff M, Giri A, Wu JM, Ward RM, Edwards TL, Velez-Edwards D, Howard BV, Shara N, Avery CL, **North KE**. Genetic determinants of pelvic organ prolapse in women of European American descent: the Women's Health Initiative.
  16. Evans DS, Avery CL, Nalls MA, Li G, Barnard J, Smith EN, Tanaka T, Butler AM, Keller MF, Buxbaum SG, Akyzbekova E, Alonso A, Arking DE, Berenson GS, Bis JC, Buyske S, Carty CL, Chen W, Chung MK, Cummings SR, Deo R, Eaton CB, Fox ER, Heckbert SR, Heiss G, Hindorff LA, Hsueh W-C, Isaacs A, Jamshidi Y, Kerr KF, Liu F, Liu Y, Lohman KK, Maher JF, Mehra R, Meng YA, Musani SK, Newton-Cheh C, **North KE**, Psaty BM, Redline S, Rotter JI, Schork NJ, Shohet RV, Singleton AB, Smith JD, Soliman EZ, Srinivasan SR, Taylor HA, Van Wagoner DR, Wilson JG, Yin X, Young T, Zhang Z-M, Zonderman AB, Evans MK, Ferrucci L, Murray SS, Tranah GJ, Whitsel EA, Reiner AP, Sotoodehnia N. Fine-mapping, Novel Loci Identification, and SNP Association Transferability in a Genome-Wide Association Study of QRS Duration in African Americans.
  17. † Justice AE, Jorgensen NW, Carty CL, **North KE**, Avery CL, Franceschini N, Fornage M, Crawford DC, Buzkova P. Evaluating association of blood pressure genetic variants with pulse pressure in six multi-ethnic populations: The PAGE Study.
  18. Sofer T, Heller R, Bogomolov M, Avery CL, Graff M, **North KE**, Reiner AP, Thornton T, Rice K, Benjamin Y, Laurie CC, Kerr K. Leveraging generalization-based design to increase discovery power in GWAS, with application to the Hispanic Community Health Study/Study of Latinos.
  19. Gondalia RB, Avery CL, Napier MD, Mendez RG, Stewart JD, Sitlani CM, Li Y, Wilhelmsen KC, Duan Q, Roach J, **North KE**, Reiner AP, Zhang Z-M, Tinker LF, Liao D, Whitsel EA. Genome-wide susceptibility to particulate matter-associated QT prolongation.
  20. Christophersen IE, Magnani JW, Yin X, Arking D, Niemeijer MN, Lubitz SA, Avery CL, Duan Q, Felix SB, Bis J, Kerr K, Isaacs A, Muller-Nuryasid M, Muller C, **North KE**, Reiner AP, Tinker LF, Kors JA, Teumer A, Petersmann A, Sinner MF, Waldenberger M, Peters A, Meitinger T, Limacher MC, Wilhelmsen KC, Hofman A, Uitterlinden A, Krijthe BP, Zhang Z-M, Schnabel RB, Kaab S, van Duijn C, Rotter JI, Sotoodehnia N, Volker W, Dorr M, Li Y, Soliman EZ, Alonso A, Whitsel EA, Stricker BH, Benjamin EJ, Heckbert SR, Ellinor PT. Sixteen genetic loci associated with the electrocardiographic P wave.

#### *Invited Editorials*

1. †Mottl A and North KE. The Post-genomic Era: "Genohype or Hope?", Genetic Diseases of the Kidney. *NephSAP* 2001; Vol 6 No 1

#### *Invited Speaker*

- 2016                   Unioversity of North Carolina School of Medicine, Program in Eating Disorders Seminar Series “Obesity Promoting Genes in an Obesity Promoting World”
- 2015                   University of Califronia San Diego. Pediatric Seminar Series “Obesity Promoting Genes in an Obesity Promoting World”
- 2015                   University of California Santa Barbara, Broom Demography Lecture Series,” The Importance of Multi-Ethnic Studies in the Genetic Epidemiology of Cardiometabolic Traits”
- 2015                   International Cardiovascular Disease Meeting  
“The searcvh for Obesity Promoting Genes in an Obesity Promoting World”
- 2013                   The University of Texas Human Genetics Center Seminar series  
“The Genetic Epidemiology of Obesity”
- 2011                   Vanderbilt University Genomics Seminar Series  
“The Genetic Epidemiology of Obesity”
- 2011                   The American Heart Association Council on Epidemiology National Meeting  
“The Generalization of GWAS Based Genetic Effects for Lipid Traits in African Americans: The PAGE Study”
- 2011                   Triangle Statistical Genetics Conference “The Genetic Epidemiology of Cardiovascular Disease Risk Factors”
- 2010                   The University of North Carolina at Chapel Hill Cardiovascular Disease Epidemiology Seminar Series “Population Diversity and GWAS-based Genetic Variants for Lipid Traits: The PAGE Study”
- 2009                   The University of Texas Human Genetics Center Seminar series  
“Genetic Epidemiology of Obesity”
- 2009                   The Medical University of South Carolina Cardiovascular Disease Epidemiology Seminar Series “The Genetic Epidemiology of Obesity: the New Frontier”
- 2009                   Invited Lunch with Dean of Gillings School of Public Health, University of North Carolina at Chapel Hill. “The Genetic Epidemiology of Cardiovascular Disease Risk Factors: Obesity”
- 2008                   The University of North Carolina at Chapel Hill Cardiovascular Disease Epidemiology Seminar Series “The Genetic Epidemiology of Obesity: the New Frontier”
- 2008                   The Obesity Society Annual Conference "Genetics 101"
- 2006                   American Association of Physical Anthropologists Annual National Conference "The genetics of cardiovascular disease risk factors in American Indians and Alaska Natives: The Strong Heart and GOCADAN Studies"
- 2005                   National Institute of Environmental Health Sciences (NIEHS) “QTL-Specific Genotype-by-smoking interaction and burden of coronary atherosclerosis: The NHLBI Family Heart Study”
- 2005                   Wake Forest University Genomics Seminar “Genotype by Sex Interaction in the Pathogenesis of Obesity: Evidence for Sex Specific QTLs in Participants of the HyperGEN Study”



2005	Genomics in Epidemiology Symposium: Public Health and Research Opportunities in North Carolina “The Interplay of Genes and Environment in the Pathogenesis of Disease”
2005	The Obesity Society Annual Conference "The Interplay of Genes and Environment in the Pathogenesis of Obesity"
2004	The University of North Carolina at Chapel Hill. Cardiovascular Disease Epidemiology Seminar Series “The Genetic Epidemiology of CVD Risk Factors in American Indians: Strong Heart Study”
2003	The University of North Carolina at Chapel Hill. Carolina Center for Genome Sciences Seminar Series “The Genetic Epidemiology of CVD Risk Factors”
2002	The University of North Carolina at Chapel Hill. Cardiovascular Disease Epidemiology Seminar Series “Searching for genes that jointly influence hypertension-related phenotypes: the HyperGEN Study”
2002	The University of North Carolina at Chapel Hill Minority Health Conference “The Problem of Race”

*Dissertation (PhD)*

Dissertation: The genetics of cardiovascular disease risk factors among American Indians of the Strong Heart Family Study Dakota Center  
 Advisor: Dr. Michael Crawford and Dr. Jean MacCluer

*Thesis (MA)*

Thesis: Spatial variation of anthropometric traits in Ireland  
 Advisor: Dr. Michael Crawford

*Honors Thesis (BA with honors)*

Honors Thesis: The communication of chimpanzees: A study on the evolution of *Pan* and *Homo*.  
 Advisor: Dr. Lorena Madrigal

**TEACHING RECORD**

Please see teaching portfolio for complete teaching record information.

*Courses*

University of North Carolina

**Guest Instructor**  
 Spring 2014 - 2015

Nutritional Epidemiology (NUTR 813)

**Guest Instructor**  
 Spring 2013

Functional Genomics (BCB 712)

<b>Lead Instructor</b> Spring 2003-2012	Genetic Epidemiology (EPID 229; now EPID 743)
<b>Co-Instructor</b> Fall 2012	Advanced Genetic Epidemiology- High Throughput Data Analysis (EPID889)
<b>Guest Instructor</b> Spring 2010, 2011	Clinical Epidemiology (EPID711)
<b>Guest Instructor</b> Fall 2003-2010	Cardiovascular Disease Epidemiology (EPID 735)
<b>Guest Instructor</b> Spring 2006 - 2010	Nutritional Epidemiology (NUTR 813)
<b>Guest Instructor</b> Spring 2007-2009	Obesity Epidemiology (NUTR 814)
<b>Co-Instructor</b> Spring 2008, Fall 2009	Advanced Genetic Epidemiology (EPID 690)
<b>Guest Instructor</b> Spring 2008	Pharmacogenomics (DPET 832)
<b>Guest Instructor</b> Spring 2007	Advanced Cardiovascular Disease Epidemiology (EPID 737)
<b>Guest Instructor</b> Fall 2006	Physical Activity Epidemiology (NUTR 810)
<b>Instructor</b> 2003, 2004	SOLAR- Taught a two day training session on the SOLAR Variance Component Approach to linkage analysis at UNC Chapel Hill

Washington University School of Medicine, St Louis, MO

<b>Guest Lecturer</b> 2003	University of Washington School of Medicine SOLAR Variance Component Approach
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Duke's Nicholas School of the Environment

<b>Guest Instructor</b> Fall 2004 -2007, 2009-2011	Environmental Epidemiology
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University of Ulm, Germany

<b>Lead Instructor</b> 2004, 2008	Summer Session in Genetic Epidemiology
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University of Heidelberg, Germany

<b>Lead Instructor</b> 2003, 2007, 2010	Summer Session in Genetic Epidemiology
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University of Kansas

**Teaching Assistant**  
1994–1995, 1997

Fundamentals of Biological Anthropology  
Department of Anthropology  
University of Kansas  
Lawrence, KS 66045  
(913) 864-4103

**Instructor**  
1995–1996

Human Variation and Evolution  
Department of Anthropology  
University of Kansas  
Lawrence, KS 66045  
(913) 864-4103

*Student Advising*

Chair of Doctoral Committee (Project title, Anticipated Graduation Date)

1. Victoria Buchanon
2. Walid Soneidar
3. . Ann Von Holle- Genetic Epidemiology of Eating Disorders **Anticipated** May 2018
4. Shelly Ann Love- Genetic Epidemiology of Inflammatory Markers **Anticipated** May 2018
5. Melissa Caughey- Relationship between Sickle Cell Trait and Stroke and MRI Measures of Infarction **Graduated** May 2016
6. Lindsay Fernandez-Rhodes- Gene- Acculturation Interaction and Obesity **Anticipated** May 2016
7. Sachiko Yoniyamo- Genetic Epidemiology of Cardiovascular Disease **Anticipated** May 2016
8. . Yu Yan- Transcription factor 7 like 2 (*TCF7L2*) gene and type 2 diabetes, **Graduated** May 2009
9. Huei-Ting Tsai- Association between tardive dyskinesia and dopamine receptor genes among chronic schizophrenics: An ancillary study to the CATIE trial **Graduated** May 2008
10. Christy Avery- Genotype-by-Smoking interaction and risk of atherosclerosis, **Graduated** August 2007
- 11 Mary Wojczynski- Characteristics of the Co-Morbidity of Irritable Bowel Syndrome: A Secondary Analysis of Existing Twin Data **Graduated** May 2006

Member of Doctoral Committee (Project title, Anticipated Graduation date)

1. Ran Tao- Department of Biostatistics
2. Amanda Seyerle-
3. Sebastian Hidalgo- Department of Biostatistics
4. Meredith Eastman- Department of Health Behavior
5. Xuan-Chieh Huang- Association studies with imputed variants using expectation-maximization likelihood-ratio tests. **Graduated** May 2015
6. Qing-Duan- Curriculum in Bioinformatics and Computational Biology. High Throughput Imputation on Admixed Populations **Anticipated** May 2015

7. Abo Nour- Department of Toxicology and Pharmacology **Graduated** May 2015
8. Shawyntee Vertilus- Magnesium in Cardiovascular Disease **Anticipated** May 2015
9. Andrea Richardson- Department of Nutrition. Gene by Physical Activity Interaction and the Pathogenesis of Obesity **Anticipated** May 2015
10. Gabi Griffin– Department of Genetics. Exome Sequencing to Identify Rare Variants that Contribute to Familial Diseases **Anticipated** May 2014
11. Niha Zubair- Department of Nutrition. Clustering and Determinants of Cardio metabolic Risk Factors among Filipino Young Adults **Graduated** May 2013
12. Gregory Mahew- Department of Biostatistics. Genotype – Phenotype Similarity: Testing and Methods for Integration of Multiple Data Sources in Genetic Association **Graduated** May 2013
13. Jackie Ellis– Department of Genetics. Evidence for smoking dependent genetic effects on C-reactive protein levels in a multi-ethnic cohort setting **Graduated** May 2013
14. Kimon Davaris- The association of genetic variants with dental health measures in the ARIC study **Graduated** May 2012
15. Lauren McCullough- Modifying Effects of DNA Repair and Oxidative Stress Variant on Physical Activity and Breast Cancer Risk **Graduated** May 2012
16. Eva Katz - The association of body weight and circumferences with metabolic risk factors in Chinese men and women **Graduated** May 2011
17. Anne Hakenewerth- Joint effects of alcohol consumption and polymorphisms in alcohol-processing and oxidative stress genes on risk and survival from head and neck cancer **Graduated** May 2011
18. Bonnie Pederson Joubert- Genetic Predisposition to Malarial Transmission from Mother to Child **Graduated** May 2010
19. Elizabeth Hodgson- Case-only analyses of interaction **Graduated** May 2010
20. Amy Webb- Department of Genetics. Genetic Response to Alcohol: Linkage and Association Studies **Graduated** 2010
21. Natalie The- Department of Nutrition. The Prevalence of Severe Obesity in Adolescents **Graduated** December 2009
22. Lindsey Ho- Haplotype Sharing Methods, Department of Biostatistics **Graduated** December 2009
23. Sarah Cohen- Adiponectin Genetic Variants and BMI in African American and Caucasian Women **Graduated** 2009
24. Whitney Robinson- U.S. Blacks’ obesity gender disparity: the role of adolescent family, **Graduated** July 2008
25. Arpita Ghosh– Department of Biostatistics. Estimating odds ratios in genome scans: an approximate conditional likelihood approach **Graduated** May 2008
26. Ying Liu- Department of Nutrition. Role of Peer Influence on Shaping Physical Activity in American

Adolescents **Graduated** May 2008

27. Hind Muallem-Department of Pathology and Lab Medicine. Interaction between *APOE* and *LDLR* polymorphisms' in the pathogenesis of atherosclerosis **Graduated** May 2008
28. Aimee D'Alosio- Insulin-like growth factor polymorphisms and uterine leiomyomas, **Graduated** December 2007
29. Amanda Golembesky- Peroxisome proliferator-activated receptor-alpha gene, obesity and breast cancer incidence and survival: a LIBCSP ancillary study **Graduated** December 2007
30. Demetra Stamm- Department of Genetics. Genetic Basis of Neural Tube Defects, **Graduated** August 2007
31. Bevan Emma Huang- Department of Biostatistics. Statistical Aspects of Haplotype-Based Association Studies **Graduated** August 2007
32. Craig Lee- School of Pharmacy. *CYP2J2* derived eicosanoids and endothelial function **Graduated** December 2006
33. Martha Fellini- Reproductive factors and DNA repair polymorphisms *XRCC1* and *MGMT* associated with adult-onset gliomas **Graduated** August 2006
34. Kyna McCullough Gooden- Genes that affect estrogen metabolism and their relationship to uterine fibroid size **Graduated** May 2006
35. Guoqing Diao- Department of Biostatistics. Semi parametric models for mapping quantitative trait loci in experimental designs and general pedigrees **Graduated** May 2006
36. Dhelia Williamson- Evaluation of serum immunoglobulin among individuals living near six Superfund sites **Graduated** May 2005
37. Melissa Nelson- Obesity, Physical Activity, and the Neighborhood Environment **Graduated** May 2005
38. Leah Sansbury- Use of NSAIDs, *COX-2* Polymorphism, and risk of colon cancer **Graduated** May 2005
39. Kui Huang- Cigarette smoking, phase II metabolic gene polymorphisms (*GSTM1/GSTT1*), DNA repair gene polymorphisms (*XPB/XRCC1/XRCC3*), and colon cancer in a population based case control study **Graduated** May 2004
40. Szu-Yun Leu- Department of Biostatistics. Non-homogeneous Poisson model for Genetic Crossover Interference **Graduated** May 2004

Chair of Master's Committee (Project title, Anticipated Graduation Date)

1. Lindsay Fernandez-Rhodes- Association of adiposity genetic variants with menarche timing in 92,104 women of the European descent **Graduated** May 2012
2. Amy Mottl- Linkage Analysis of Renal Disease in American Indian Populations: The Strong Heart Study **Graduated** December 2006

Member of Master's Committee (Project title, Anticipated Graduation Date)

1. Anthony Abrantes- Classifying Mislabeled High-dimensional Data with Iterated Supervised PCA. To Graduate May 2015
2. Melanie Napier- Organic Solvents and Multiple Sclerosis: Exploring Potential Gene-Environment Interactions **Graduated** May 2012
3. Jaime Lucove- Metabolic syndrome and kidney function: the Strong Heart Study **Graduated** May 2006
4. Melissa Troester- *CYP1B1* and *CYP3A4* Polymorphisms Modify Breast Cancer Risk Associated with Oral Contraceptives in the Carolina Breast Cancer Study **Graduated** May 2006
5. Tasha Smith- *TGF- $\beta$ 1* Leu10Pro Genotype and Breast Cancer Risk **Graduated** May 2005

#### Mentorship of Postdoctoral Fellows

- |                                       |  |
|---------------------------------------|--|
| 1. Heather Highland<br>2015 – current | Post Doctoral Fellowship in Genetic Epidemiology |
| 2. Casry Agler<br>2014- current       | Post Doctoral Fellowship in Genetic Epidemiology |
| 3. Anne Justice<br>2012-current       | Post Doctoral Fellowship in Genetic Epidemiology |
| 2. Kristin Young<br>2012-current      | Post Doctoral Fellowship in Genetic Epidemiology |
| 3. Maria Elisa Graff<br>2009-current  | Post Doctoral Fellowship in Genetic Epidemiology |
| 4. Kira Taylor<br>2009-2011           | Post Doctoral Fellowship in Genetic Epidemiology |
| 5. Tiana Garrett<br>2009-2011         | Post Doctoral Fellowship in Genetic Epidemiology |
| 6. Keri Monda<br>2006-2009            | Post Doctoral Fellowship in Genetic Epidemiology |
| 7. Nora Franceschini<br>2005-2007     | Post Doctoral Fellowship in Genetic Epidemiology |
| 8. MJ Mosher<br>2003-2005             | Post Doctoral Fellowship in Genetic Epidemiology |

#### Mentorship of Junior Faculty Members

1. Kris Young  
Department of Epidemiology  
20q5 – current
2. Misa Graff

Department of Epidemiology  
UNC  
2015 – current

3. Jessica Baker  
Department of Genetics  
UNC School of Medicine  
2014-current
4. Tracy Manuck  
Department of Obstetrics and Gynecology  
UNC School of Medicine  
2012–current
5. Jennifer Wu  
Department of Obstetrics and Gynecology  
UNC School of Medicine  
2012–current
4. Debra Irwin  
Department of Epidemiology  
2009–2014
5. Nora Franceschini  
Department of Epidemiology  
2009–2012
6. Keri Monda  
Department of Epidemiology  
2009-2011
7. Jeannette Bensen  
Department of Epidemiology  
2008–2010

## GRANTS

### *Current*

#### **ACTIVE**

R01-DK089256 (formerly DK075681 (Multiple PIs: Baranski, Borecki, Cupples, **North**)  
NIH NIDDK 09/10/10-06/30/17 1.44 Cal Mos  
\$565,805

Genetic Architecture of Adiposity in Multiple Large Cohorts  
To extend the meta-analysis approach of multiple ongoing large cohorts to investigate adiposity traits.  
Role: Multiple PI

N01HC65233 (Cai) 09/30/06- 05/31/20 0.48 Cal Mos  
NHLBI \$3,110,018

Hispanic Community Health Study  
The objectives of this study are to identify the prevalence of and risk factors for diseases, disorders, and conditions in Hispanic populations and to determine the role of acculturation and disparities in the prevalence and development of these conditions.  
Role: Investigator

2R01HD057194-07 (Gordon-Larsen, North) NICHD Exome Variants Underlying Weight Gain from Adolescence to Adulthood This project will examine gene-by-environment interactions on trajectories of weight gain from adolescence to young adulthood. Role: MPI	01/1/08-06/30/19 \$396,523	2.40 Cal Mos
U01HG007416 (North) NIH Population Architecture Using Genomics and Epidemiology (PAGE) Phase II – Study Investigators CALiCo II The goal is to explore the associations of genetic variation with a broad range of phenotypes, including conditions that disproportionately burdens U.S. ethnic and racial minorities. Role: Principal Investigator	09/01/13-05/31/17 \$696,959	2.40 Cal Mos
13GRNT16490017 (North) AHA Genetic Architecture of Adiposity in Individuals of Hispanic Descent To perform GWAS of body mass index in populations of Hispanic-descent; and second, to investigate how common genetic variants interact with physical activity to influence adiposity risk in these populations. Role: Principal Investigator	07/01/13-06/30/16 \$70,000 NCE	.60 Cal Mos
1R01DK101855-01 (North, Haiman, Loos) NIH NIDDK Leveraging ancestral diversity to map adiposity loci in Hispanics The proposed study plans to perform the first large-scale genomic study in search of obesity-susceptibility loci in HL populations. Role: Contact Principal Investigator	08/15/14-07/31/17 \$605,779	1.2 Cal Mos
15GRNT25880008 (North) AHA Genetic and Environmental Determinants of Obesity and Cardiovascular Risk across the Lifecourse: The Santiago Longitudinal Cohort Study Role: Principal Investigator	07/01/15 – 06/30/17 \$70,000	0.60 Cal Mos
1U01DE025046-01A1(Divaris,PI) NIH/NIDCR	09/10/15 – 08/31/20 \$760,864	0.96 Cal Mos
<b>Genome-Wide Association Study of Early Childhood Caries</b>		
This genome-wide association study of early childhood caries will enroll a multi-ethnic, community-based sample of 6,000 children ages 3 and 4 attending Head Start/Early Head Start programs in North Carolina. Role: Investigator		
2R56AG024119-11 (North, Gurven) NIH/NIA University of California, Santa Barbara The Human Life Course and the Biodemography of Aging This project will test alternative models regarding the impacts of infectious disease and inflammation on cardiovascular disease and diabetes. Role: Investigator	09/30/15-09/29/16 \$60,174	1.2 Cal Mos
U24 (Matisse) Rutgers/NHGRI NHGRI Genome Sequencing Program Coordinating Center The major goals of this project are to provide scientific leadership and expertise for specific cross-program objectives and to provide program coordination for administrative, logistical, and outreach activities. Role: Subcontract Principal Investigator	01/14/16 – 11/30/19 \$56,538 (subcontract)	0.60 Cal Mos



**PENDING**

(Demerath) 04/01/16 – 03/31/21 1.20 Cal Mos  
University of Minnesota/NIH \$54,535 (subcontract)  
Epigenetics, Weight Regulation, and Cardiometabolic Health in African Americans  
Role: Subcontract Principal Investigator

1R01HL129132-01 (Li) 07/01/15 – 06/30/20 1.20 Cal Mos  
NIH/NHLBI \$563,346  
Genetic Studies of Blood Cell Traits in Multi-Ethnic Cohorts  
Role: Investigator

1R01HD087233-01 (Wu) 04/01/16 – 03/31/19 1.20 Cal Mos  
NIH \$514,224  
Genetic Predisposition to Pelvic Organ Prolapse  
Role: Investigator

N01 HC 65233 (Cai)  
9/30/2006-5/31/2020  
NHLBI, \$2,280,224  
Hispanic Community Health Study  
The objectives of this study are to identify the prevalence of and risk factors for diseases, disorders, and conditions in Hispanic populations and to determine the role of acculturation and disparities in the prevalence and development of these conditions.  
Role: Investigator

U01HG007416 (North)  
9/1/2013-5/31/2017  
NIH, \$646,952  
Population Architecture Using Genomics and Epidemiology (PAGE) Phase II – Study Investigators CALiCo II  
The goal is to explore the associations of genetic variation with a broad range of phenotypes, including conditions that disproportionately burdens U.S. ethnic and racial minorities.  
Role: Principal Investigator

15  
AHA, \$70,000  
Genetic Architecture of adiposity in individuals of Hispanic descent  
To perform GWAS of body mass index in populations of Hispanic-descent; and second, to investigate how common genetic variants interact with physical activity to influence adiposity risk in these populations.  
Role: Principal Investigator

Role: Investigator

R01 DK075681 (Multiple PIs: Borecki, Cupples, North)  
7/1/2010-6/30/2014, 09/10/10-06/30/17  
NIH/NIDDK, \$468,439  
Genetic Architecture of Adiposity in Multiple Large Cohorts  
The proposed study plans to extend the meta-analysis approach of multiple ongoing large cohorts to investigate adiposity traits.

2R01HD057194-06 (Gordon-Larsen, North) 01/1/08-06/30/19  
NIH/NICHHD  
Exome Variants Underlying Weight Gain from Adolescence to Adulthood  
To assess gene-by-environment interactions on trajectories of weight gain from adolescence to early adulthood  
Role: Multiple PI  
U01HG007416 (North)

09/01/13-05/31/17

1R01DK101855-01 (North, Haiman, Loos)  
NIH/NIDDK

08/15/14-07/31/17

Leveraging ancestral diversity to map adiposity loci in Hispanics  
To perform the first large-scale genomic study in search of obesity-susceptibility loci in HL populations.  
Role: Contact Principal Investigator

1U01DE025046-01A1 (Divaris) 09/10/15-08/31/20  
NIH/NIDCR

Genome-Wide Association Study of Early Childhood Caries  
To conduct a GWAS of early childhood caries in a multi-ethnic community-based sample of 6,000 children  
Role: Investigator

U24 (Matise)

11/01/15-10/31/19

Rutgers/NHGRI

NHGRI Genome Sequencing Program Coordinating Center

The major goals of this project are to provide scientific leadership and expertise for specific cross-program objectives and to provide program coordination for administrative, logistical, and outreach activities.

Role: Subcontract Principal Investigator

### *Completed*

1U01HG004803-04S1 (North)

7/17/2008-5/31/2014

NIH/NHGRI, \$818,796

Genetic Epidemiology of Casual Variants Across the Life Course

The goal is for a consortium of population based studies to investigate mature genetic variants associated with complex diseases. The overall goal is to genotype well-replicated putative casual variants in well characterized population-based studies to examine their prevalence, associations, modifiers and potential impact in population groups most relevant to the U.S.

Role: Principal Investigator

R01DK085175 (Rotter)

6/1/2012-5/31/2014

NIH/NIDDK (Subcontract with Cedars-Sinai Medical Center), \$23,578

Genetic and Epidemiologic Predictors of Glucose Homeostasis in Hispanics

The goal of this study is to identify the genetic predictors of insulin resistance, insulin metabolic clearance rate, and beta cell function in Hispanic Americans

Role: Subcontract Principal Investigator

R01DE021418 (Offenbacher)

7/1/2011-6/30/2014

NIH/NIDCR, \$220,141

Genome-Wide Association Study of Periodontal Disease

The goal of this research is to identify the underlying genetic determinants of periodontal disease and related dental phenotypes.

Role: Investigator

R01 DK075681-01A2 (Borecki)

4/1/2008-3/31/2013

NIH, \$234,579

Genetic Epidemiology of Metabolic Diseases of Obesity

The purpose is to investigate the genetic epidemiology of non-alcoholic fatty liver disease and abdominal fat.  
Role: Co-Investigator

N01-HC-55018 (Heiss)

9/1/1985-1/31/2012

NIH/NHLBI, \$33,067,238

Atherosclerosis Risk in Communities (ARIC) Morbidity and Mortality Follow-up Field Center

Goals examine the determinants and population-correlates of non-invasively ascertained atherosclerosis, its clinical manifestation in a cohort of middle-aged men and women, and the community burden and geographic and temporal variation of fatal and non-fatal ischemic heart disease and heart failure.

Role: Co-Investigator

GO Grant (North)

9/30/2009-9/20/2011

NIH/NHLBI, \$588,890

Women's Health Initiative (WHI) Sequencing Project

The purpose of this study is to identify rare and common variants influencing NHLBI phenotypes using whole exomic sequencing of WHI women.

Role: Principal Investigator

A10-0347-001 (North)

8/1/2009-6/1/2011

NHLBI SHARE, \$708,762

GWAS Analysis for the Women's Health Initiative Study

The goal of this study is to detect, map, and identify polymorphic genes that influence variation in complex phenotypes in women.

Role: Principal Investigator

1R01HL089651-01 (North)

4/1/2008-3/31/2011

NIH, \$744,788

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.

Role: Principal Investigator

U01-HL-06-5520 (Cole)

6/1/2005-3/31/2010

Subcontract SFBR, \$276,542

Strong Heart Family Study

The goal of this study is to detect, map, and identify polymorphic genes that influence variation in CVD.

Role: Co-Investigator

5U01 - HL0755 (Heiss PI)

7/1/2004-6/30/2008

NHLBI: Subcontract to the University of Texas, \$1,380,823

Atherosclerosis, Plaque and CVD in Communities

The major goals of this project are to examine an informative subset of the bi-ethnic ARIC cohort to identify correlates of atherosclerotic plaque change and early changes in the vascular wall. Extant longitudinal follow-up and stored DNA will allow us to test genomic correlates of plaque characteristics and their ability to predict incident coronary heart disease and stroke.

Role: Co-Investigator

1R01 HL074377-01 (North PI)

7/1/2003-6/30/2008

NHLBI, \$855,443

Gene-by-Smoking Interaction and Risk of Atherosclerosis

The major goal of this project is to evaluate common genetic polymorphisms that, in combination with exposure to tobacco smoke, may modify the risk of atherosclerosis and its clinical sequelae. Role: Principal Investigator

P20 RR020751 (Reed PI)

9/22/2004-7/31/2007

NIH, \$772,328

The Carolina Center for Exploratory Genetic Analysis

The major goal of this project is to establish an interdisciplinary infrastructure for efficient identification of the complex genetic traits underlying human diseases, based on clinical and population studies and model systems.

Role: Co-Investigator

5U01- HL054509 (North PI)

9/5/1995-6/30/2007

NHLBI, \$1,532,803

HyperGEN – Forsyth Co. Field Center (Genetic Determinants of High Blood Pressure)

The major goals of this project are to identify genetic and (interacting) non-genetic determinants of hypertension in African American and White middle-aged individuals of both sexes.

Role: Principal Investigator

ES025034-08, LPP (Zeldin PI)

7/1/2003-6/30/2005

NIEHS, \$70,000

Role of Cytochrome P450- Derived Eicosanoids in Endothelial Dysfunction and Cardiovascular Disease.

The major goals of this project are to determine whether variation in *CYP2J2*, *CYP2C8* and/or *sEH* are significantly associated with cardiovascular morbidity or mortality in patients with atherosclerotic disease.

Role: Co-Investigator

RO1 HL56567 (Heiss PI)

9/4/2001-8/31/2004

NHLBI, Subcontract Washington University, \$51,120

FHS: Molecular Genetics and Genetic Epidemiology-NC

The major goals of this project are to identify the genomic regions linked and/or associated with CHD, atherosclerosis burden measured by ultrasound, and their risk factors.

Role: Co-Investigator

5U01-HL56563 04 (Heiss PI)

8/15/1996–7/31/2003

NHLBI, \$1,302,575

FHS: Molecular Genetics & Genetic Epidemiology-NC

The major goals of this project are to identify the genomic regions linked and/or associated with CHD, atherosclerosis burden measured by ultrasound, and their risk factors.

Role: Co-Investigator

### *Pending*

R01 (Davis)

7/1/2015-6/30/2020

NIDDK/ Yeshiva University \$43,190

Epidemiology of the gut microbiome, prediabetes and diabetes in Latinos

The goals of the study will be to: (1) Collect gut microbiome (GMB) samples (i.e., stool samples) on the entire cohort revisiting for VISIT 2, scheduled for Fall 2014. (2) Collect repeat samples on all participants in the Bronx at 6 months and 12 months after the first sample.

Role: Investigator

1R01HL125096-01 (North)

7/1/2015-6/30/2020

NIH, \$721,361

Influence of the intestinal microbiome on asthma and atopy among Puerto Ricans

The study aims to advance understanding of the role of the intestinal microbiome in the etiology of persistent early-onset asthma and atopy in Puerto Rican populations, groups who bear higher rates of both diseases.

Role: Principal Investigator

1R01DK103552-01 (North)

7/1/2015-6/30/2019

NIH, \$532,742

Gene-Environment Determinants of Obesity & Metabolic Risk across the Lifecourse

The study aims to characterize the genetic variants involved in pathophysiologic development of obesity and its related cardiometabolic risk through environment and behavior during vulnerable lifestages for increased adiposity, from childhood to young adulthood, and in an ancestrally diverse population.

Role: Principal Investigator

AHA (North)

\$77,000

Genetic and Environmental Determinants of Obesity and Cardiovascular Risk across the Lifecourse: The Santiago Longitudinal Cohort Study

Role: Principal Investigator

R01 (Gurven)

09/01/15 – 08/31/20 0.6 Calendar

UCSB/NIH \$40,000

The Human Life Course and the Biodemography of Aging

Role: Subcontract Principal Investigator

R01 (Kaplan)

09/01/15 – 08/31/20 0.6 Calendar

UNM/NIH \$20,000

Infection, inflammation, and cardiovascular function among adult Tsimane Native Americans

Role: Subcontract Principal Investigator

R01 NIH (Loos)

7/1/2015-6/30/2019

NIH/Mount Sinai Medical Center, \$21,763

Search for Obesity-Associated Genes with Protective Effects on Metabolic Health

The study proposes- to - [1] systematically screen the whole genome for genes that contribute to metabolically healthy obesity (MHO) and for genes that contribute to metabolically unhealthy normal weight (MUN) and to [2] subsequently characterize the identified genes by detailed follow-up analyses to elucidate the physiological pathways through which they affect MHO and MUN.

Role: Subcontract Principal Investigator

1R01HD084598-01 (Offenbacher)

07/01/15 – 06/30/20 1.2 Calendar

NIH \$499,969

"Babyomics": An Investigation of Adverse Pregnancy Outcomes as a Complex Trait

Role: Investigator

1R01DE025046-01A1 (Divaris)

09/01/15 – 08/31/20 1.2 Calendar

NIH \$1,406,093

Genome-Wide Association Study of Early Childhood Caries

Role: Investigator

1R01HL129132-01 (Li)  
07/01/15 – 06/30/20 1.2 Calendar  
NIH/NHLBI \$563,346  
Genetic Studies of Blood Cell Traits in Multi-Ethnic Cohorts  
Role: Investigator

1R01HL125427-01A1 (Loehr)  
07/01/15 – 06/30/18 0 Calendar YR1  
NIH/NHLBI \$285,132  
Androgens and cardiometabolic factors in reproductive aged Hispanic/Latina women  
Role: Investigator

1T32HL129982-01 (North, Avery)  
02/01/16 – 01/31/21 0 Calendar  
NIH \$277,340  
The Genetic Epidemiology of Heart, Lung, and Blood Training Grant (GenHLB)  
Role: Contact Principal Investigator

#### *Trainer for Training Grant*

1 T32 (Maeda PI)  
2/1/2007-1/31/2018  
NIH, \$2,269,439  
Integrative Vascular Biology  
Role: Faculty Mentor

1 T32 MH076694 (Bulik PI)  
7/1/2007-6/30/2017  
NIH, \$1,359,793  
Postdoctoral Research Training in Eating Disorders  
Role: Faculty Mentor

5 T32 HL007055-30 (Heiss PI)  
7/1/1975-5/31/2017  
NHLBI, \$2,613,554  
Cardiovascular Disease Epidemiology Training Grant  
Role: Faculty Mentor

#### *Completed Training Grant*

1 T32 MH075854 (Popkin PI)  
8/1/2005-7/31/2009  
NIH, \$766,821  
UNC Interdisciplinary Obesity Training  
Role: Faculty Mentor

## **SERVICE**

*University of North Carolina at Chapel Hill*

### University Service

Member, Carolina Center for Genome Sciences  
2002-current

Member, Carolina Center for Genome Sciences  
UNC Chapel Hill  
2002-current

Member, Genomics Data Task Force  
2012-2013

Member, Center for Environmental Health and Susceptibility  
UNC Chapel Hill  
2004-2013

Member, Interdisciplinary Obesity Center  
Carolina Population Center, UNC Chapel Hill  
2004-2011

Member, Interdisciplinary Obesity Center Post Doctoral Committee  
Carolina Population Center, UNC Chapel Hill  
2007-2009

Grant Reviewer  
Interdisciplinary Obesity Center  
Carolina Population Center, UNC Chapel Hill  
2007

Grant Reviewer  
Population Sciences Research Award, UNC Chapel Hill  
2003, 2004

School of Public Health / Department of Epidemiology

Member, Epidemiology Chair's Council  
Department of Epidemiology  
2012-present

Member, Admissions Committee  
Department of Epidemiology  
2013-2015

Member, SPH Greenberg Dissertation Award Committee  
Department of Epidemiology  
2013

Member, Graduate Studies Committee  
Department of Epidemiology  
2012-2013

Grant Reviewer  
UNC, Nutrition Obesity Research Center  
2012

Chair, Search Committee  
Tenure Track Professor in Epidemiology  
Nutrition Research Institute  
2011

Member, Search Committee  
Research Assistant Professor in Clinical Epidemiology  
Department of Epidemiology  
2009

Member, Space and Department Resources Committee  
Department of Epidemiology  
2006-2009

Grant Reviewer  
University of North Carolina at Chapel Hill Center for  
Environmental Health and Susceptibility (CEHS), UNC Chapel Hill  
2008

Grant Reviewer  
University of North Carolina at Chapel Hill Center for  
Environmental Health and Susceptibility (CEHS), UNC Chapel Hill  
2005-2007

Member, Staff Excellence Award Committee  
Department of Epidemiology  
2006

Member, SPH Greenberg Dissertation Award Committee  
Department of Epidemiology  
2006

Organizer, Genetic Epidemiology Journal Club  
2003-2015

Member, Graduate Studies Committee  
Department of Epidemiology  
2002-2006

*State/National/International*

Elected Committees

Member      American Heart Association Nutrition, Physical Activity, Metabolism,  
2011-2016      and Obesity Committee

Member      Genetics of Anthropometric Traits (Giant) Steering Committee  
2012-2016

Member      Invited Review Board for Helmholtz Zentrum München  
2011

Invited Committees

Chair      PAGE Publications Committee  
2012-2017

Member      WHI Publications Committee  
2011-2016

Member      GWAS Catalog Advisory Board  
2013



Member 2013	Scientific Meeting Planning Committee; The American Diabetes Association Annual Conference.
Member 2013	Scientific Meeting Planning Committee; The American Heart Association Council of Cardiovascular Epidemiology
Member 2012	Scientific Meeting Planning Committee; The American Heart Association Council of Cardiovascular Epidemiology
Member 2009	Scientific Meeting Planning Committee; The International Genetic Epidemiological Society
Chair 2008	Scientific Meeting Planning Committee; The International Genetic Epidemiological Society
Member 2005-2006	North Carolina Task Force on Genomics and Public Health

Invited Grant Reviews

Co-Chair 2015	American Heart Association Research Program Grant Reviewer
Grant Reviewer 2014	American Heart Association Research Program Reviewer
Permanent Grant 2013-2019	Cardiovascular and Sleep Epidemiology Study Section Reviewer
Grant Reviewer 2012	James and Esther King Biomedical Research Program managed by the Florida Department of Health
Grant Reviewer 2012	Ad-Hoc NIH Study Section Member (NHGRI GNOM-G Study Section)
Grant Reviewer 2012	Distinguished Editorial Panel for the review of applications submitted to OD-11-003: Specialized Centers of Research (SCOR) on Sex Differences (P50)
Grant Reviewer 2011	James and Esther King Biomedical Research Program managed by the Florida Department of Health
Grant Reviewer 2009	Ad-Hoc NIH Study Section Member (ZRG1 Study Section)
Grant Reviewer 2008	Ad-Hoc NIH Study Section Member (ZRG1 Study Section)
Grant Reviewer 2008	Ad-Hoc NIH Study Section Member (GWAS Study Section)
Grant Reviewer 2008	Ad-Hoc NIH Study Section Member (ZRGI Study Section)

Grant Reviewer 2008	Ad-Hoc NIH Study Section Member (ZAGI Study Section)
Grant Reviewer 2006-2007	Ad-Hoc NIH Study Section Member (CICS Study Section)
Grant Reviewer 2005–2007	James and Esther King Biomedical Research Program managed by the Florida Department of Health
Grant Reviewer 2005, 2006	Ad-Hoc NIH Study Section Member (NIH Study Section Clinical Hematology Special Emphasis Panel)
Grant Reviewer 2004	Ad-Hoc NIH Study Section reviewer (NIMH, Review of Pharmacogenomics of Mood and Anxiety Disorders, Special Emphasis Panels)
Grant Reviewer 2003	Framingham Heart Study, Boston University

Invited Session Chairman

2014	American Heart Association Council of Epidemiology Session on Genetic Epidemiology-March
2014	The Obesity Society Annual Conference Session on Genetics-November
2013	American Diabetes Association Annual Conference Session on Genetics-June
2013	American Heart Association Council of Epidemiology Session on Genetic Epidemiology-March
2012	The Obesity Society Annual Conference Session on Genetics-November
2012	American Heart Association Council of Epidemiology Session on Genetic Epidemiology-March
2011	The Obesity Society Annual Conference Session on Genetics-October
2010	American Heart Association Council of Epidemiology Session on Genetic Epidemiology-March
2010	The Obesity Society Annual Conference Session on Genetics-November

2009	The Inter-Disciplinary Obesity Center Seminar “The Genetic Epidemiology of Adiposity Phenotypes”
2008	American Heart Association Council of Epidemiology Annual Conference Trainee Session on Cardiovascular Disease
2007	The Obesity Society Annual Conference Session on Gene-Environment Interaction
2006	The Obesity Society Annual Conference Session on Gene-Environment Interaction
2004	American Heart Association Council on Epidemiology Annual Conference Session on Cardiovascular Disease Risk Factors

#### Member Editorial Board

1. *Frontiers Genetic Epidemiology*  
May 2011–May 2016
2. *Journal of Medical Genetics*  
May 2010–May 2015
3. *Gastroenterology*  
May 2005–May 2010

#### Guest Member of Editorial Board

1. *Circulation*  
May 2009–current

#### Invited Manuscript Review

##### *Journals*

Atherosclerosis, Thrombosis, and Vascular Biology  
 American Journal of Epidemiology  
 American Journal of Hypertension  
 American Journal of the Medical Association  
 American Journal of Physical Anthropology  
 Atherosclerosis  
 Biomed Central Genetics  
 Circulation  
 Diabetes  
 Diabetes Metabolism Research and Reviews  
 Epidemiology  
 Gastroenterology

Human Biology  
Human Genetics  
Journal of American Medical Association  
Journal of Clinical Endocrinology and Metabolism  
Nature  
Nature Genetics  
Neurology  
Obesity  
PLos One  
PLos Genetics

*Studies*

PAGE / Calico Study  
Family Heart Study  
HyperGEN Study  
Framingham Heart Study  
ARIC Study  
WHI Study  
HCHS/SOL

*Invited Abstract Reviews*

Abstract Reviewer 2014	American Heart Association Council on Epidemiology National Meetings
Abstract Reviewer 2014	The Obesity Society National Meetings
Abstract Reviewer 2014	American Society of Human Genetics National Meetings
Abstract Reviewer 2013	American Heart Association Council on Epidemiology National Meetings
Abstract Reviewer 2013	The Obesity Society National Meetings
Abstract Reviewer 2013	American Society of Human Genetics National Meetings
Abstract Reviewer 2013	American Diabetes Association National Meetings
Abstract Reviewer 2012	American Heart Association Council on Epidemiology National Meetings
Abstract Reviewer	The Obesity Society

2012	National Meetings
Abstract Reviewer 2011	American Heart Association Council on Epidemiology National Meetings
Abstract Reviewer 2011	The Obesity Society National Meetings
Abstract Reviewer 2011	American Society of Human Genetics National Meetings
Abstract Reviewer 2010	International Genetic Epidemiology Society National Meetings
Abstract Reviewer 2010	American Society of Human Genetics National Meetings
Abstract Reviewer 2009, 2010	American Heart Association Council on Epidemiology National Meetings
Abstract Reviewer 2008-2010	The Obesity Society National Meetings
Abstract Reviewer 2008, 2009	International Genetic Epidemiology Society International Meetings
Abstract Reviewer 2007, 2008	American Heart Association Council on Epidemiology National Meetings
Abstract Reviewer 2005 -2007	The Obesity Society National Meetings

### Societies

American Diabetes Association  
 American Heart Association  
 International Genetic Epidemiological Society  
 Human Biology Association  
 American Association of Anthropological Genetics  
 American Association of Physical Anthropology  
 Society for Epidemiological Research