

## Framingham Heart Study 2011 Bibliography

1. Ai M, Otokozawa S, Asztalos BF, White CC, Cupples LA, Nakajima K, Lamon-Fava S, Wilson PW, Matsuzawa Y, Schaefer EJ. Adiponectin: an independent risk factor for coronary heart disease in men in the Framingham offspring Study. *Atherosclerosis*. Aug 2011;217(2):543-548. (PubMed ID Number: 21741045).
2. Arking DE, Junttila MJ, Goyette P, Huertas-Vazquez A, Eijgelsheim M, Blom MT, Newton-Cheh C, Reinier K, Teodorescu C, Uy-Evanado A, Carter-Monroe N, Kaikkonen KS, Kortelainen ML, Boucher G, Lagace C, Moes A, Zhao X, Kolodgie F, Rivadeneira F, Hofman A, Witteman JC, Uitterlinden AG, Marsman RF, Pazoki R, Bardai A, Koster RW, Dehghan A, Hwang SJ, Bhatnagar P, Post W, Hilton G, Prineas RJ, Li M, Kottgen A, Ehret G, Boerwinkle E, Coresh J, Kao WH, Psaty BM, Tomaselli GF, Sotoodehnia N, Siscovick DS, Burke GL, Marban E, Spooner PM, Cupples LA, Jui J, Gunson K, Kesaniemi YA, Wilde AA, Tardif JC, O'Donnell CJ, Bezzina CR, Virmani R, Stricker BH, Tan HL, Albert CM, Chakravarti A, Rioux JD, Huikuri HV, Chugh SS. Identification of a sudden cardiac death susceptibility locus at 2q24.2 through genome-wide association in European ancestry individuals. *PLoS Genet*. Jun 2011;7(6):e1002158. (PubMed ID Number: 21738491 PMID: PMC3128111).
3. Bhasin S, Jasjua GK, Pencina M, D'Agostino R, Sr., Coviello AD, Vasan RS, Travison TG. Sex hormone-binding globulin, but not testosterone, is associated prospectively and independently with incident metabolic syndrome in men: the framingham heart study. *Diabetes Care*. Nov 2011;34(11):2464-2470. (PubMed ID Number: 21926281 PMID: PMC3198304).
4. Bis JC, Kavousi M, Franceschini N, Isaacs A, Abecasis GR, Schminke U, Post WS, Smith AV, Cupples LA, Markus HS, Schmidt R, Huffman JE, Lehtimaki T, Baumert J, Munzel T, Heckbert SR, Dehghan A, North K, Oostra B, Bevan S, Stoegerer EM, Hayward C, Raitakari O, Meisinger C, Schillert A, Sanna S, Volzke H, Cheng YC, Thorsson B, Fox CS, Rice K, Rivadeneira F, Nambi V, Halperin E, Petrovic KE, Peltonen L, Wichmann HE, Schnabel RB, Dorr M, Parsa A, Aspelund T, Demissie S, Kathiresan S, Reilly MP, Taylor K, Uitterlinden A, Couper DJ, Sitzer M, Kahonen M, Illig T, Wild PS, Orru M, Ludemann 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. Meta-analysis of genome-wide association studies from the CHARGE consortium identifies common variants associated with carotid intima media thickness and plaque. *Nat Genet*. Oct 2011;43(10):940-947. (PubMed ID Number: 21909108 PMID: PMC3257519).
5. Block JP, Christakis NA, O'Malley AJ, Subramanian SV. Proximity to food establishments and body mass index in the Framingham Heart Study offspring

- cohort over 30 years. *Am J Epidemiol*. Nov 15 2011;174(10):1108-1114. (PubMed ID Number: 21965186 PMID: PMC3208142).
6. Boger CA, Chen MH, Tin A, Olden M, Kottgen A, de Boer IH, Fuchsberger C, O'Seaghdha CM, Pattaro C, Teumer A, Liu CT, Glazer NL, Li M, O'Connell JR, Tanaka T, Peralta CA, Kutalik Z, Luan J, Zhao JH, Hwang SJ, Akyzbekova E, Kramer H, van der Harst P, Smith AV, Lohman K, de Andrade M, Hayward C, Kollerits B, Tonjes A, Aspelund T, Ingelsson E, Eiriksdottir G, Launer LJ, Harris TB, Shuldiner AR, Mitchell BD, Arking DE, Franceschini N, Boerwinkle E, Egan J, Hernandez D, Reilly M, Townsend RR, Lumley T, Siscovick DS, Psaty BM, Kestenbaum B, Haritunians T, Bergmann S, Vollenweider P, Waeber G, Mooser V, Waterworth D, Johnson AD, Florez JC, Meigs JB, Lu X, Turner ST, Atkinson EJ, Leak TS, Aasarod K, Skorpen F, Syvanen AC, Illig T, Baumert J, Koenig W, Kramer BK, Devuyst O, Mychaleckyj JC, Minelli C, Bakker SJ, Kedenko L, Paulweber B, Coassin S, Endlich K, Kroemer HK, Biffar R, Stracke S, Volzke H, Stumvoll M, Magi R, Campbell H, Vitart V, Hastie ND, Gudnason V, Kardina SL, Liu Y, Polasek O, Curhan G, Kronenberg F, Prokopenko I, Rudan I, Arnlov J, Hallan S, Navis G, Parsa A, Ferrucci L, Coresh J, Shlipak MG, Bull SB, Paterson NJ, Wichmann HE, Wareham NJ, Loos RJ, Rotter JI, Pramstaller PP, Cupples LA, Beckmann JS, Yang Q, Heid IM, Rettig R, Dreisbach AW, Bochud M, Fox CS, Kao WH. CUBN is a gene locus for albuminuria. *J Am Soc Nephrol*. Mar 2011;22(3):555-570. (PubMed ID Number: 21355061 PMID: PMC3060449).
  7. Britton KA, Fox CS. Perivascular adipose tissue and vascular disease. *Clin Lipidol*. Feb 2011;6(1):79-91. (PubMed ID Number: 21686058 PMID: PMC3115703).
  8. Broer L, Ikram MA, Schuur M, DeStefano AL, Bis JC, Liu F, Rivadeneira F, Uitterlinden AG, Beiser AS, Longstreth WT, Hofman A, Aulchenko Y, Seshadri S, Fitzpatrick AL, Oostra BA, Breteler MM, van Duijn CM. Association of HSP70 and its co-chaperones with Alzheimer's disease. *J Alzheimers Dis*. 2011;25(1):93-102. (PubMed ID Number: 21403392 PMID: PMC3483142).
  9. Chen MH, Liu X, Wei F, Larson MG, Fox CS, Vasani RS, Yang Q. A comparison of strategies for analyzing dichotomous outcomes in genome-wide association studies with general pedigrees. *Genet Epidemiol*. Nov 2011;35(7):650-657. (PubMed ID Number: 21818773 PMID: PMC3197768).
  10. Cheng S, Fox CS, Larson MG, Massaro JM, McCabe EL, Khan AM, Levy D, Hoffmann U, O'Donnell CJ, Miller KK, Newton-Cheh C, Coviello AD, Bhasin S, Vasani RS, Wang TJ. Relation of visceral adiposity to circulating natriuretic peptides in ambulatory individuals. *Am J Cardiol*. Oct 1 2011;108(7):979-984. (PubMed ID Number: 21813106 PMID: PMC3175269).
  11. Cheng S, Vasani RS. Advances in the epidemiology of heart failure and left ventricular remodeling. *Circulation*. Nov 15 2011;124(20):e516-519. (PubMed ID Number: 22083151).
  12. Coviello AD, Zhuang WV, Lunetta KL, Bhasin S, Ulloor J, Zhang A, Karasik D, Kiel DP, Vasani RS, Murabito JM. Circulating testosterone and SHBG concentrations are heritable in women: the Framingham Heart Study. *J Clin Endocrinol Metab*. Sep 2011;96(9):E1491-1495. (PubMed ID Number: 21752884 PMID: PMC3167671).

13. de Miguel-Yanes JM, Manning AK, Shrader P, McAteer JB, Goel A, Hamsten A, Fox CS, Florez JC, Dupuis J, Meigs JB. Variants at the endocannabinoid receptor CB1 gene (CNR1) and insulin sensitivity, type 2 diabetes, and coronary heart disease. *Obesity (Silver Spring)*. Oct 2011;19(10):2031-2037. (PubMed ID Number: 21633404).
14. de Miguel-Yanes JM, Shrader P, Pencina MJ, Fox CS, Manning AK, Grant RW, Dupuis J, Florez JC, D'Agostino RB, Sr., Cupples LA, Meigs JB. Genetic risk reclassification for type 2 diabetes by age below or above 50 years using 40 type 2 diabetes risk single nucleotide polymorphisms. *Diabetes Care*. Jan 2011;34(1):121-125. (PubMed ID Number: 20889853 PMCID: PMC3005447).
15. Debette S, Seshadri S, Beiser A, Au R, Himali JJ, Palumbo C, Wolf PA, DeCarli C. Midlife vascular risk factor exposure accelerates structural brain aging and cognitive decline. *Neurology*. Aug 2 2011;77(5):461-468. (PubMed ID Number: 21810696 PMCID: PMC3146307).
16. Debette S, Visvikis-Siest S, Chen MH, Ndiaye NC, Song C, Destefano A, Safa R, Azimi Nezhad M, Sawyer D, Marteau JB, Xanthakis V, Siest G, Sullivan L, Pfister M, Smith H, Choi SH, Lamont J, Lind L, Yang Q, Fitzgerald P, Ingelsson E, Vasan RS, Seshadri S. Identification of cis- and trans-acting genetic variants explaining up to half the variation in circulating vascular endothelial growth factor levels. *Circ Res*. Aug 19 2011;109(5):554-563. (PubMed ID Number: 21757650 PMCID: PMC3193930).
17. Dehghan A, Dupuis J, Barbalic M, Bis JC, Eiriksdottir G, Lu C, Pellikka N, Wallaschofski H, Kettunen J, Henneman P, Baumert J, Strachan DP, Fuchsberger C, Vitart V, Wilson JF, Pare G, Naitza S, Rudock ME, Surakka I, de Geus EJ, Alizadeh BZ, Guralnik J, Shuldiner A, Tanaka T, Zee RY, Schnabel RB, Nambi V, Kavousi M, Ripatti S, Nauck M, Smith NL, Smith AV, Sundvall J, Scheet P, Liu Y, Ruukonen A, Rose LM, Larson MG, Hoogeveen RC, Freimer NB, Teumer A, Tracy RP, Launer LJ, Buring JE, Yamamoto JF, Folsom AR, Sijbrands EJ, Pankow J, Elliott P, Keaney JF, Sun W, Sarin AP, Fontes JD, Badola S, Astor BC, Hofman A, Pouta A, Werdan K, Greiser KH, Kuss O, Meyer zu Schwabedissen HE, Thiery J, Jamshidi Y, Nolte IM, Soranzo N, Spector TD, Volzke H, Parker AN, Aspelund T, Bates D, Young L, Tsui K, Siscovick DS, Guo X, Rotter JI, Uda M, Schlessinger D, Rudan I, Hicks AA, Penninx BW, Thorand B, Gieger C, Coresh J, Willemsen G, Harris TB, Uitterlinden AG, Jarvelin MR, Rice K, Radke D, Salomaa V, Willems van Dijk K, Boerwinkle E, Vasan RS, Ferrucci L, Gibson QD, Bandinelli S, Snieder H, Boomsma DI, Xiao X, Campbell H, Hayward C, Pramstaller PP, van Duijn CM, Peltonen L, Psaty BM, Gudnason V, Ridker PM, Homuth G, Koenig W, Ballantyne CM, Witteman JC, Benjamin EJ, Perola M, Chasman DI. Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. *Circulation*. Feb 22 2011;123(7):731-738. (PubMed ID Number: 21300955 PMCID: PMC3147232).
18. Dietrich M, Jacques PF, Polak JF, Keyes MJ, Pencina MJ, Evans JC, Wolf PA, Selhub J, Vasan RS, D'Agostino RB. Segment-specific association between plasma homocysteine level and carotid artery intima-media thickness in the Framingham Offspring Study. *J Stroke Cerebrovasc Dis*. Mar-Apr

- 2011;20(2):155-161. (PubMed ID Number: 20580253 PMID: PMC3011043).
19. Ehret GB, Munroe PB, Rice KM, Bochud M, Johnson AD, Chasman DI, Smith AV, Tobin MD, Verwoert GC, Hwang SJ, Pihur V, Vollenweider P, O'Reilly PF, Amin N, Bragg-Gresham JL, Teumer A, Glazer NL, Launer L, Zhao JH, Aulchenko Y, Heath S, Sober S, Parsa A, Luan J, Arora P, Dehghan A, Zhang F, Lucas G, Hicks AA, Jackson AU, Peden JF, Tanaka T, Wild SH, Rudan I, Igl W, Milaneschi Y, Parker AN, Fava C, Chambers JC, Fox ER, Kumari M, Go MJ, van der Harst P, Kao WH, Sjogren M, Vinay DG, Alexander M, Tabara Y, Shaw-Hawkins S, Whincup PH, Liu Y, Shi G, Kuusisto J, Tayo B, Seielstad M, Sim X, Nguyen KD, Lehtimaki T, Matullo G, Wu Y, Gaunt TR, Onland-Moret NC, Cooper MN, Platou CG, Org E, Hardy R, Dahgam S, Palmen J, Vitart V, Braund PS, Kuznetsova T, Uiterwaal CS, Adeyemo A, Palmas W, Campbell H, Ludwig B, Tomaszewski M, Tzoulaki I, Palmer ND, Aspelund T, Garcia M, Chang YP, O'Connell JR, Steinle NI, Grobbee DE, Arking DE, Kardina SL, Morrison AC, Hernandez D, Najjar S, McArdle WL, Hadley D, Brown MJ, Connell JM, Hingorani AD, Day IN, Lawlor DA, Beilby JP, Lawrence RW, Clarke R, Hopewell JC, Ongen H, Dreisbach AW, Li Y, Young JH, Bis JC, Kahonen M, Viikari J, Adair LS, Lee NR, Chen MH, Olden M, Pattaro C, Bolton JA, Kottgen A, Bergmann S, Mooser V, Chaturvedi N, Frayling TM, Islam M, Jafar TH, Erdmann J, Kulkarni SR, Bornstein SR, Grassler J, Groop L, Voight BF, Kettunen J, Howard P, Taylor A, Guarrera S, Ricceri F, Emilsson V, Plump A, Barroso I, Khaw KT, Weder AB, Hunt SC, Sun YV, Bergman RN, Collins FS, Bonnycastle LL, Scott LJ, Stringham HM, Peltonen L, Perola M, Vartiainen E, Brand SM, Staessen JA, Wang TJ, Burton PR, Soler Artigas M, Dong Y, Siederer H, Wang X, Zhu H, Lohman KK, Rudock ME, Heckbert SR, Smith NL, Wiggins KL, Dumaty A, Shriner D, Veldre G, Viigimaa M, Kinra S, Prabhakaran D, Tripathy V, Langefeld CD, Rosengren A, Thelle DS, Corsi AM, Singleton A, Forrester T, Hilton G, McKenzie CA, Salako T, Iwai N, Kita Y, Ogiwara T, Ohkubo T, Okamura T, Ueshima H, Umemura S, Eyheramendy S, Meitinger T, Wichmann HE, Cho YS, Kim HL, Lee JY, Scott J, Sehmi JS, Zhang W, Hedblad B, Nilsson P, Smith GD, Wong A, Narisu N, Stancakova A, Raffel LJ, Yao J, Kathiresan S, O'Donnell CJ, Schwartz SM, Ikram MA, Longstreth WT, Jr., Mosley TH, Seshadri S, Shrine NR, Wain LV, Morken MA, Swift AJ, Laitinen J, Prokopenko I, Zitting P, Cooper JA, Humphries SE, Danesh J, Rasheed A, Goel A, Hamsten A, Watkins H, Bakker SJ, van Gilst WH, Janipalli CS, Mani KR, Yajnik CS, Hofman A, Mattace-Raso FU, Oostra BA, Demirkan A, Isaacs A, Rivadeneira F, Lakatta EG, Orru M, Scuteri A, Ala-Korpela M, Kangas AJ, Lyttikainen LP, Soininen P, Tukiainen T, Wurtz P, Ong RT, Dorr M, Kroemer HK, Volker U, Volzke H, Galan P, Hercberg S, Lathrop M, Zelenika D, Deloukas P, Mangino M, Spector TD, Zhai G, Meschia JF, Nalls MA, Sharma P, Terzic J, Kumar MV, Denniff M, Zukowska-Szczechowska E, Wagenknecht LE, Fowkes FG, Charchar FJ, Schwarz PE, Hayward C, Guo X, Rotimi C, Bots ML, Brand E, Samani NJ, Polasek O, Talmud PJ, Nyberg F, Kuh D, Laan M, Hveem K, Palmer LJ, van der Schouw YT, Casas JP, Mohlke KL, Vineis P, Raitakari O, Ganesh SK, Wong TY, Tai ES, Cooper RS, Laakso M, Rao DC, Harris TB, Morris RW, Dominiczak AF, Kivimaki M, Marmot MG, Miki T, Saleheen D, Chandak GR, Coresh J, Navis G,

- Salomaa V, Han BG, Zhu X, Kooner JS, Melander O, Ridker PM, Bandinelli S, Gyllensten UB, Wright AF, Wilson JF, Ferrucci L, Farrall M, Tuomilehto J, Pramstaller PP, Elosua R, Soranzo N, Sijbrands EJ, Altshuler D, Loos RJ, Shuldiner AR, Gieger C, Meneton P, Uitterlinden AG, Wareham NJ, Gudnason V, Rotter JI, Rettig R, Uda M, Strachan DP, Witteman JC, Hartikainen AL, Beckmann JS, Boerwinkle E, Vasani RS, Boehnke M, Larson MG, Jarvelin MR, Psaty BM, Abecasis GR, Chakravarti A, Elliott P, van Duijn CM, Newton-Cheh C, Levy D, Caulfield MJ, Johnson T. Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. *Nature*. Oct 6 2011;478(7367):103-109. (PubMed ID Number: 21909115 PMID: PMC3340926).
20. Faraday N, Yanek LR, Yang XP, Mathias R, Herrera-Galeano JE, Suktitipat B, Qayyum R, Johnson AD, Chen MH, Tofler GH, Ruczinski I, Friedman AD, Gylfason A, Thorsteinsdottir U, Bray PF, O'Donnell CJ, Becker DM, Becker LC. Identification of a specific intronic PEAR1 gene variant associated with greater platelet aggregability and protein expression. *Blood*. Sep 22 2011;118(12):3367-3375. (PubMed ID Number: 21791418 PMID: PMC3179402).
21. Farina EK, Kiel DP, Roubenoff R, Schaefer EJ, Cupples LA, Tucker KL. Dietary intakes of arachidonic acid and alpha-linolenic acid are associated with reduced risk of hip fracture in older adults. *J Nutr*. Jun 2011;141(6):1146-1153. (PubMed ID Number: 21508210 PMID: PMC3095142).
22. Farina EK, Kiel DP, Roubenoff R, Schaefer EJ, Cupples LA, Tucker KL. Protective effects of fish intake and interactive effects of long-chain polyunsaturated fatty acid intakes on hip bone mineral density in older adults: the Framingham Osteoporosis Study. *Am J Clin Nutr*. May 2011;93(5):1142-1151. (PubMed ID Number: 21367955 PMID: PMC3076660).
23. Fornage M, DeBette S, Bis JC, Schmidt H, Ikram MA, Dufouil C, Sigurdsson S, Lumley T, DeStefano AL, Fazekas F, Vrooman HA, Shibata DK, Maillard P, Zijdenbos A, Smith AV, Gudnason H, de Boer R, Cushman M, Mazoyer B, Heiss G, Vernooij MW, Enzinger C, Glazer NL, Beiser A, Knopman DS, Cavalieri M, Niessen WJ, Harris TB, Petrovic K, Lopez OL, Au R, Lambert JC, Hofman A, Gottesman RF, Garcia M, Heckbert SR, Atwood LD, Catellier DJ, Uitterlinden AG, Yang Q, Smith NL, Aspelund T, Romero JR, Rice K, Taylor KD, Nalls MA, Rotter JI, Sharrett R, van Duijn CM, Amouyel P, Wolf PA, Gudnason V, van der Lugt A, Boerwinkle E, Psaty BM, Seshadri S, Tzourio C, Breteler MM, Mosley TH, Schmidt R, Longstreth WT, DeCarli C, Launer LJ. Genome-wide association studies of cerebral white matter lesion burden: the CHARGE consortium. *Ann Neurol*. Jun 2011;69(6):928-939. (PubMed ID Number: 21681796 PMID: PMC3122147).
24. Foster MC, Hwang SJ, Massaro JM, Hoffmann U, DeBoer IH, Robins SJ, Vasani RS, Fox CS. Association of subcutaneous and visceral adiposity with albuminuria: the Framingham Heart Study. *Obesity (Silver Spring)*. Jun 2011;19(6):1284-1289. (PubMed ID Number: 21183930 PMID: PMC3096746).
25. Foster MC, Hwang SJ, Porter SA, Massaro JM, Hoffmann U, Fox CS. Development and reproducibility of a computed tomography-based measurement

- of renal sinus fat. *BMC Nephrol.* 2011;12:52. (PubMed ID Number: 21970591 PMCID: PMC3198884).
26. Foster MC, Hwang SJ, Porter SA, Massaro JM, Hoffmann U, Fox CS. Fatty kidney, hypertension, and chronic kidney disease: the Framingham Heart Study. *Hypertension.* Nov 2011;58(5):784-790. (PubMed ID Number: 21931075 PMCID: PMC3204377).
  27. Foster MC, Yang Q, Hwang SJ, Hoffmann U, Fox CS. Heritability and genome-wide association analysis of renal sinus fat accumulation in the Framingham Heart Study. *BMC Med Genet.* 2011;12:148. (PubMed ID Number: 22044751 PMCID: PMC3243045).
  28. Fowler JH, Settle JE, Christakis NA. Correlated genotypes in friendship networks. *Proc Natl Acad Sci U S A.* Feb 1 2011;108(5):1993-1997. (PubMed ID Number: 21245293 PMCID: PMC3033315).
  29. Fox ER, Young JH, Li Y, Dreisbach AW, Keating BJ, Musani SK, Liu K, Morrison AC, Ganesh S, Kutlar A, Ramachandran VS, Polak JF, Fabsitz RR, Dries DL, Farlow DN, Redline S, Adeyemo A, Hirschorn JN, Sun YV, Wyatt SB, Penman AD, Palmas W, Rotter JI, Townsend RR, Doumatey AP, Tayo BO, Mosley TH, Jr., Lyon HN, Kang SJ, Rotimi CN, Cooper RS, Franceschini N, Curb JD, Martin LW, Eaton CB, Kardia SL, Taylor HA, Caulfield MJ, Ehret GB, Johnson T, Chakravarti A, Zhu X, Levy D. Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. *Hum Mol Genet.* Jun 1 2011;20(11):2273-2284. (PubMed ID Number: 21378095 PMCID: PMC3090190).
  30. Fradley MG, Larson MG, Cheng S, McCabe E, Coglianesi E, Shah RV, Levy D, Vasan RS, Wang TJ. Reference limits for N-terminal-pro-B-type natriuretic peptide in healthy individuals (from the Framingham Heart Study). *Am J Cardiol.* Nov 1 2011;108(9):1341-1345. (PubMed ID Number: 21864812 PMCID: PMC3209520).
  31. Gorelick PB, Scuteri A, Black SE, Decarli C, Greenberg SM, Iadecola C, Launer LJ, Laurent S, Lopez OL, Nyenhuis D, Petersen RC, Schneider JA, Tzourio C, Arnett DK, Bennett DA, Chui HC, Higashida RT, Lindquist R, Nilsson PM, Roman GC, Sellke FW, Seshadri S. Vascular contributions to cognitive impairment and dementia: a statement for healthcare professionals from the american heart association/american stroke association. *Stroke.* Sep 2011;42(9):2672-2713. (PubMed ID Number: 21778438).
  32. Gross KD, Felson DT, Niu J, Hunter DJ, Guermazi A, Roemer FW, Dufour AB, Gensure RH, Hannan MT. Association of flat feet with knee pain and cartilage damage in older adults. *Arthritis Care Res (Hoboken).* Jul 2011;63(7):937-944. (PubMed ID Number: 21717597 PMCID: PMC3087845).
  33. Gupta M, Cheung CL, Hsu YH, Demissie S, Cupples LA, Kiel DP, Karasik D. Identification of homogeneous genetic architecture of multiple genetically correlated traits by block clustering of genome-wide associations. *J Bone Miner Res.* Jun 2011;26(6):1261-1271. (PubMed ID Number: 21611967 PMCID: PMC3312758).
  34. Hamburg NM, Palmisano J, Larson MG, Sullivan LM, Lehman BT, Vasan RS, Levy D, Mitchell GF, Vita JA, Benjamin EJ. Relation of brachial and digital

- measures of vascular function in the community: the Framingham heart study. *Hypertension*. Mar 2011;57(3):390-396. (PubMed ID Number: 21263120 PMID: PMC3049726).
35. Haring R, Trivison TG, Bhasin S, Vasani RS, Wallaschofski H, Davda MN, Coviello A, Murabito JM. Relation between sex hormone concentrations, peripheral arterial disease, and change in ankle-brachial index: findings from the Framingham Heart Study. *J Clin Endocrinol Metab*. Dec 2011;96(12):3724-3732. (PubMed ID Number: 21937625 PMID: PMC3232625).
  36. Hivert MF, Sullivan LM, Shrader P, Fox CS, Nathan DM, D'Agostino RB, Sr., Wilson PW, Kowall B, Herder C, Meisinger C, Thorand B, Rathmann W, Meigs JB. Insulin resistance influences the association of adiponectin levels with diabetes incidence in two population-based cohorts: the Cooperative Health Research in the Region of Augsburg (KORA) S4/F4 study and the Framingham Offspring Study. *Diabetologia*. May 2011;54(5):1019-1024. (PubMed ID Number: 21336532 PMID: PMC3223124).
  37. Ho JE, Levy D, Rose L, Johnson AD, Ridker PM, Chasman DI. Discovery and replication of novel blood pressure genetic loci in the Women's Genome Health Study. *J Hypertens*. Jan 2011;29(1):62-69. (PubMed ID Number: 21045733 PMID: PMC3005130).
  38. Jefferson AL, Himali JJ, Au R, Seshadri S, Decarli C, O'Donnell CJ, Wolf PA, Manning WJ, Beiser AS, Benjamin EJ. Relation of left ventricular ejection fraction to cognitive aging (from the Framingham Heart Study). *Am J Cardiol*. Nov 1 2011;108(9):1346-1351. (PubMed ID Number: 21880293 PMID: PMC3204899).
  39. Jefferson AL, Massaro JM, Beiser AS, Seshadri S, Larson MG, Wolf PA, Au R, Benjamin EJ. Inflammatory markers and neuropsychological functioning: the Framingham Heart Study. *Neuroepidemiology*. 2011;37(1):21-30. (PubMed ID Number: 21757961 PMID: PMC3142099).
  40. Johnson AD, Newton-Cheh C, Chasman DI, Ehret GB, Johnson T, Rose L, Rice K, Verwoert GC, Launer LJ, Gudnason V, Larson MG, Chakravarti A, Psaty BM, Caulfield M, van Duijn CM, Ridker PM, Munroe PB, Levy D. Association of hypertension drug target genes with blood pressure and hypertension in 86,588 individuals. *Hypertension*. May 2011;57(5):903-910. (PubMed ID Number: 21444836 PMID: PMC3099407).
  41. Kaess BM, Vasani RS. Heart failure: pentraxin 3-a marker of diastolic dysfunction and HF? *Nat Rev Cardiol*. May 2011;8(5):246-248. (PubMed ID Number: 21448138 PMID: PMC3236065).
  42. Kaess BM, Vasani RS. Statins are not associated with a decrease in all cause mortality in a high-risk primary prevention setting. *Evid Based Med*. Feb 2011;16(1):8-9. (PubMed ID Number: 21224283).
  43. Kanoni S, Nettleton JA, Hivert MF, Ye Z, van Rooij FJ, Shungin D, Sonestedt E, Ngwa JS, Wojczynski MK, Lemaitre RN, Gustafsson S, Anderson JS, Tanaka T, Hindy G, Saylor G, Renstrom F, Bennett AJ, van Duijn CM, Florez JC, Fox CS, Hofman A, Hoogeveen RC, Houston DK, Hu FB, Jacques PF, Johansson I, Lind L, Liu Y, McKeown N, Ordovas J, Pankow JS, Sijbrands EJ, Syvanen AC, Uitterlinden AG, Yannakouli M, Zillikens MC, Wareham NJ, Prokopenko I, Bandinelli S, Forouhi NG, Cupples LA, Loos RJ, Hallmans G, Dupuis J,

- Langenberg C, Ferrucci L, Kritchevsky SB, McCarthy MI, Ingelsson E, Borecki IB, Witteman JC, Orho-Melander M, Siscovick DS, Meigs JB, Franks PW, Dedoussis GV. Total zinc intake may modify the glucose-raising effect of a zinc transporter (SLC30A8) variant: a 14-cohort meta-analysis. *Diabetes*. Sep 2011;60(9):2407-2416. (PubMed ID Number: 21810599 PMID: PMC3161318).
44. Kaplan RC, Petersen AK, Chen MH, Teumer A, Glazer NL, Doring A, Lam CS, Friedrich N, Newman A, Muller M, Yang Q, Homuth G, Cappola A, Klopp N, Smith H, Ernst F, Psaty BM, Wichmann HE, Sawyer DB, Biffar R, Rotter JI, Gieger C, Sullivan LS, Volzke H, Rice K, Spyroglou A, Kroemer HK, Ida Chen YD, Manolopoulou J, Nauck M, Strickler HD, Goodarzi MO, Reincke M, Pollak MN, Bidlingmaier M, Vasani RS, Wallaschofski H. A genome-wide association study identifies novel loci associated with circulating IGF-I and IGF-BP-3. *Hum Mol Genet*. Mar 15 2011;20(6):1241-1251. (PubMed ID Number: 21216879 PMID: PMC3043664).
45. Keating NL, O'Malley AJ, Murabito JM, Smith KP, Christakis NA. Minimal social network effects evident in cancer screening behavior. *Cancer*. Jul 1 2011;117(13):3045-3052. (PubMed ID Number: 21264828 PMID: PMC3119780).
46. Khan AM, Cheng S, Magnusson M, Larson MG, Newton-Cheh C, McCabe EL, Coviello AD, Florez JC, Fox CS, Levy D, Robins SJ, Arora P, Bhasin S, Lam CS, Vasani RS, Melander O, Wang TJ. Cardiac natriuretic peptides, obesity, and insulin resistance: evidence from two community-based studies. *J Clin Endocrinol Metab*. Oct 2011;96(10):3242-3249. (PubMed ID Number: 21849523 PMID: PMC3200240).
47. Khetarpal SA, Edmondson AC, Raghavan A, Neeli H, Jin W, Badellino KO, Demissie S, Manning AK, DerOhannessian SL, Wolfe ML, Cupples LA, Li M, Kathiresan S, Rader DJ. Mining the LIPG allelic spectrum reveals the contribution of rare and common regulatory variants to HDL cholesterol. *PLoS Genet*. Dec 2011;7(12):e1002393. (PubMed ID Number: 22174694 PMID: PMC3234219).
48. Kilpelainen TO, Zillikens MC, Stancakova A, Finucane FM, Ried JS, Langenberg C, Zhang W, Beckmann JS, Luan J, Vandenput L, Styrkarsdottir U, Zhou Y, Smith AV, Zhao JH, Amin N, Vedantam S, Shin SY, Haritunians T, Fu M, Feitosa MF, Kumari M, Halldorsson BV, Tikkanen E, Mangino M, Hayward C, Song C, Arnold AM, Aulchenko YS, Oostra BA, Campbell H, Cupples LA, Davis KE, Doring A, Eiriksdottir G, Estrada K, Fernandez-Real JM, Garcia M, Gieger C, Glazer NL, Guiducci C, Hofman A, Humphries SE, Isomaa B, Jacobs LC, Jula A, Karasik D, Karlsson MK, Khaw KT, Kim LJ, Kivimaki M, Klopp N, Kuhnel B, Kuusisto J, Liu Y, Ljunggren O, Lorentzon M, Luben RN, McKnight B, Mellstrom D, Mitchell BD, Mooser V, Moreno JM, Mannisto S, O'Connell JR, Pascoe L, Peltonen L, Peral B, Perola M, Psaty BM, Salomaa V, Savage DB, Semple RK, Skaric-Juric T, Sigurdsson G, Song KS, Spector TD, Syvanen AC, Talmud PJ, Thorleifsson G, Thorsteinsdottir U, Uitterlinden AG, van Duijn CM, Vidal-Puig A, Wild SH, Wright AF, Clegg DJ, Schadt E, Wilson JF, Rudan I, Ripatti S, Borecki IB, Shuldiner AR, Ingelsson E, Jansson JO, Kaplan RC, Gudnason V, Harris TB, Groop L, Kiel DP, Rivadeneira F, Walker M, Barroso I, Vollenweider P, Waeber

- G, Chambers JC, Kooner JS, Soranzo N, Hirschhorn JN, Stefansson K, Wichmann HE, Ohlsson C, O'Rahilly S, Wareham NJ, Speliotes EK, Fox CS, Laakso M, Loos RJ. Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile. *Nat Genet.* Aug 2011;43(8):753-760. (PubMed ID Number: 21706003 PMID: PMC3262230).
49. Lam CS, Cheng S, Choong K, Larson MG, Murabito JM, Newton-Cheh C, Bhasin S, McCabe EL, Miller KK, Redfield MM, Vasani RS, Coviello AD, Wang TJ. Influence of sex and hormone status on circulating natriuretic peptides. *J Am Coll Cardiol.* Aug 2 2011;58(6):618-626. (PubMed ID Number: 21798425 PMID: PMC3170816).
50. Lam CS, Donal E, Kraigher-Krainer E, Vasani RS. Epidemiology and clinical course of heart failure with preserved ejection fraction. *Eur J Heart Fail.* Jan 2011;13(1):18-28. (PubMed ID Number: 20685685 PMID: PMC3003453).
51. Lam CS, Lyass A, Kraigher-Krainer E, Massaro JM, Lee DS, Ho JE, Levy D, Redfield MM, Pieske BM, Benjamin EJ, Vasani RS. Cardiac dysfunction and noncardiac dysfunction as precursors of heart failure with reduced and preserved ejection fraction in the community. *Circulation.* Jul 5 2011;124(1):24-30. (PubMed ID Number: 21670229 PMID: PMC3257876).
52. Lamonte-Fava S, Marcovina SM, Albers JJ, Kennedy H, DeLuca C, White CC, Cupples LA, McNamara JR, Seman LJ, Bongard V, Schaefer EJ. Lipoprotein(a) levels, apo(a) isoform size, and coronary heart disease risk in the Framingham Offspring Study. *J Lipid Res.* Jun 2011;52(6):1181-1187. (PubMed ID Number: 21478162 PMID: PMC3090239).
53. Lee DS, Gona P, Albano I, Larson MG, Benjamin EJ, Levy D, Kannel WB, Vasani RS. A systematic assessment of causes of death after heart failure onset in the community: impact of age at death, time period, and left ventricular systolic dysfunction. *Circ Heart Fail.* Jan 2011;4(1):36-43. (PubMed ID Number: 21071547 PMID: PMC3243964).
54. Lettre G, Palmer CD, Young T, Ejebe KG, Allayee H, Benjamin EJ, Bennett F, Bowden DW, Chakravarti A, Dreisbach A, Farlow DN, Folsom AR, Fornage M, Forrester T, Fox E, Haiman CA, Hartiala J, Harris TB, Hazen SL, Heckbert SR, Henderson BE, Hirschhorn JN, Keating BJ, Kritchevsky SB, Larkin E, Li M, Rudock ME, McKenzie CA, Meigs JB, Meng YA, Mosley TH, Newman AB, Newton-Cheh CH, Paltoo DN, Papanicolaou GJ, Patterson N, Post WS, Psaty BM, Qasim AN, Qu L, Rader DJ, Redline S, Reilly MP, Reiner AP, Rich SS, Rotter JI, Liu Y, Shrader P, Siscovick DS, Tang WH, Taylor HA, Tracy RP, Vasani RS, Waters KM, Wilks R, Wilson JG, Fabsitz RR, Gabriel SB, Kathiresan S, Boerwinkle E. Genome-wide association study of coronary heart disease and its risk factors in 8,090 African Americans: the NHLBI CARE Project. *PLoS Genet.* 2011;7(2):e1001300. (PubMed ID Number: 21347282 PMID: PMC3037413).
55. Lieb W, Pencina MJ, Jacques PF, Wang TJ, Larson MG, Levy D, Kannel WB, Vasani RS. Higher aldosterone and lower N-terminal proatrial natriuretic peptide as biomarkers of salt sensitivity in the community. *Eur J Cardiovasc Prev Rehabil.* Aug 2011;18(4):664-673. (PubMed ID Number: 21450637 PMID: PMC3179529).
56. Liu CT, Garnaas MK, Tin A, Kottgen A, Franceschini N, Peralta CA, de Boer IH,

- Lu X, Atkinson E, Ding J, Nalls M, Shriner D, Coresh J, Kutlar A, Bibbins-Domingo K, Siscovick D, Akyzbekova E, Wyatt S, Astor B, Mychaleckjy J, Li M, Reilly MP, Townsend RR, Adeyemo A, Zonderman AB, de Andrade M, Turner ST, Mosley TH, Harris TB, Rotimi CN, Liu Y, Kardia SL, Evans MK, Shlipak MG, Kramer H, Flessner MF, Dreisbach AW, Goessling W, Cupples LA, Kao WL, Fox CS. Genetic association for renal traits among participants of African ancestry reveals new loci for renal function. *PLoS Genet.* Sep 2011;7(9):e1002264. (PubMed ID Number: 21931561 PMID: PMC3169523).
57. Lovely RS, Yang Q, Massaro JM, Wang J, D'Agostino RB, Sr., O'Donnell CJ, Shannon J, Farrell DH. Assessment of genetic determinants of the association of gamma' fibrinogen in relation to cardiovascular disease. *Arterioscler Thromb Vasc Biol.* Oct 2011;31(10):2345-2352. (PubMed ID Number: 21757653 PMID: PMC3174319).
58. Lucas G, Lluís-Ganella C, Subirana I, Senti M, Willenborg C, Musameh MD, Schwartz SM, O'Donnell CJ, Melander O, Salomaa V, Elosua R. Post-genomic update on a classical candidate gene for coronary artery disease: ESR1. *Circ Cardiovasc Genet.* Dec 2011;4(6):647-654. (PubMed ID Number: 21984528 PMID: PMC3260440).
59. Luneburg N, Xanthakis V, Schwedhelm E, Sullivan LM, Maas R, Andersohn M, Riederer U, Glazer NL, Vasani RS, Boger RH. Reference intervals for plasma L-arginine and the L-arginine:asymmetric dimethylarginine ratio in the Framingham Offspring Cohort. *J Nutr.* Dec 2011;141(12):2186-2190. (PubMed ID Number: 22031661 PMID: PMC3223876).
60. MacRae CA, Vasani RS. Next-generation genome-wide association studies: time to focus on phenotype? *Circ Cardiovasc Genet.* Aug 1 2011;4(4):334-336. (PubMed ID Number: 21846867 PMID: PMC3187849).
61. Magnani JW, Johnson VM, Sullivan LM, Gorodeski EZ, Schnabel RB, Lubitz SA, Levy D, Ellinor PT, Benjamin EJ. P wave duration and risk of longitudinal atrial fibrillation in persons  $\geq 60$  years old (from the Framingham Heart Study). *Am J Cardiol.* Mar 15 2011;107(6):917-921 e911. (PubMed ID Number: 21255761 PMID: PMC3049849).
62. Magnani JW, Rienstra M, Lin H, Sinner MF, Lubitz SA, McManus DD, Dupuis J, Ellinor PT, Benjamin EJ. Atrial fibrillation: current knowledge and future directions in epidemiology and genomics. *Circulation.* Nov 1 2011;124(18):1982-1993. (PubMed ID Number: 22042927 PMID: PMC3208425).
63. Manning AK, LaValley M, Liu CT, Rice K, An P, Liu Y, Miljkovic I, Rasmussen-Torvik L, Harris TB, Province MA, Borecki IB, Florez JC, Meigs JB, Cupples LA, Dupuis J. Meta-analysis of gene-environment interaction: joint estimation of SNP and SNP x environment regression coefficients. *Genet Epidemiol.* Jan 2011;35(1):11-18. (PubMed ID Number: 21181894 PMID: PMC3312394).
64. McLean RR, Qiao N, Broe KE, Tucker KL, Casey V, Cupples LA, Kiel DP, Hannan MT. Dietary acid load is not associated with lower bone mineral density except in older men. *J Nutr.* Apr 1 2011;141(4):588-594. (PubMed ID Number: 21289203 PMID: PMC3056577).
65. McManus DD, Shaikh AY, Abhishek F, Vasani RS. Atrial fibrillation and heart

- failure parallels: lessons for atrial fibrillation prevention. *Crit Pathw Cardiol.* Mar 2011;10(1):46-51. (PubMed ID Number: 21562376 PMID: PMC3220939).
66. Misra D, Berry SD, Broe KE, McLean RR, Cupples LA, Tucker KL, Kiel DP, Hannan MT. Does dietary protein reduce hip fracture risk in elders? The Framingham Osteoporosis Study. *Osteoporos Int.* Jan 2011;22(1):345-349. (PubMed ID Number: 20442986 PMID: PMC2950889).
67. Nalls MA, Couper DJ, Tanaka T, van Rooij FJ, Chen MH, Smith AV, Toniolo D, Zakai NA, Yang Q, Greinacher A, Wood AR, Garcia M, Gasparini P, Liu Y, Lumley T, Folsom AR, Reiner AP, Gieger C, Lagou V, Felix JF, Volzke H, Goukova NA, Biffi A, Doring A, Volker U, Chong S, Wiggins KL, Rendon A, Dehghan A, Moore M, Taylor K, Wilson JG, Lettre G, Hofman A, Bis JC, Pirastu N, Fox CS, Meisinger C, Sambrook J, Arepalli S, Nauck M, Prokisch H, Stephens J, Glazer NL, Cupples LA, Okada Y, Takahashi A, Kamatani Y, Matsuda K, Tsunoda T, Kubo M, Nakamura Y, Yamamoto K, Kamatani N, Stumvoll M, Tonjes A, Prokopenko I, Illig T, Patel KV, Garner SF, Kuhnel B, Mangino M, Oostra BA, Thein SL, Coresh J, Wichmann HE, Menzel S, Lin J, Pistis G, Uitterlinden AG, Spector TD, Teumer A, Eiriksdottir G, Gudnason V, Bandinelli S, Frayling TM, Chakravarti A, van Duijn CM, Melzer D, Ouwehand WH, Levy D, Boerwinkle E, Singleton AB, Hernandez DG, Longo DL, Soranzo N, Witteman JC, Psaty BM, Ferrucci L, Harris TB, O'Donnell CJ, Ganesh SK. Multiple loci are associated with white blood cell phenotypes. *PLoS Genet.* Jun 2011;7(6):e1002113. (PubMed ID Number: 21738480 PMID: PMC3128114).
68. Nguyen US, Zhang Y, Zhu Y, Niu J, Zhang B, Felson DT. Increasing prevalence of knee pain and symptomatic knee osteoarthritis: survey and cohort data. *Ann Intern Med.* Dec 6 2011;155(11):725-732. (PubMed ID Number: 22147711 PMID: PMC3408027).
69. Noseworthy PA, Tikkanen JT, Porthan K, Oikarinen L, Pietila A, Harald K, Peloso GM, Merchant FM, Jula A, Vaananen H, Hwang SJ, O'Donnell CJ, Salomaa V, Newton-Cheh C, Huikuri HV. The early repolarization pattern in the general population: clinical correlates and heritability. *J Am Coll Cardiol.* May 31 2011;57(22):2284-2289. (PubMed ID Number: 21600720 PMID: PMC3183435).
70. O'Donnell CJ, Kavousi M, Smith AV, Kardia SL, Feitosa MF, Hwang SJ, Sun YV, Province MA, Aspelund T, Dehghan A, Hoffmann U, Bielak LF, Zhang Q, Eiriksdottir G, van Duijn CM, Fox CS, de Andrade M, Kraja AT, Sigurdsson S, Elias-Smale SE, Murabito JM, Launer LJ, van der Lugt A, Kathiresan S, Krestin GP, Herrington DM, Howard TD, Liu Y, Post W, Mitchell BD, O'Connell JR, Shen H, Shuldiner AR, Altshuler D, Elosua R, Salomaa V, Schwartz SM, Siscovick DS, Voight BF, Bis JC, Glazer NL, Psaty BM, Boerwinkle E, Heiss G, Blankenberg S, Zeller T, Wild PS, Schnabel RB, Schillert A, Ziegler A, Munzel TF, White CC, Rotter JI, Nalls M, Oudkerk M, Johnson AD, Newman AB, Uitterlinden AG, Massaro JM, Cunningham J, Harris TB, Hofman A, Peyser PA, Borecki IB, Cupples LA, Gudnason V, Witteman JC. Genome-wide association study for coronary artery calcification with follow-up in myocardial infarction. *Circulation.* Dec 20 2011;124(25):2855-2864. (PubMed ID Number: 22144573 PMID: PMC3397173).
71. O'Seaghdha CM, Hwang SJ, Bhavsar NA, Kottgen A, Coresh J, Astor BC, Fox

- CS. Lower urinary connective tissue growth factor levels and incident CKD stage 3 in the general population. *Am J Kidney Dis.* Jun 2011;57(6):841-849. (PubMed ID Number: 21292366 PMID: PMC3100386).
72. O'Seaghda CM, Parekh RS, Hwang SJ, Li M, Kottgen A, Coresh J, Yang Q, Fox CS, Kao WH. The MYH9/APOL1 region and chronic kidney disease in European-Americans. *Hum Mol Genet.* Jun 15 2011;20(12):2450-2456. (PubMed ID Number: 21429915 PMID: PMC3098737).
73. Pasaniuc B, Zaitlen N, Lettre G, Chen GK, Tandon A, Kao WH, Ruczinski I, Fornage M, Siscovick DS, Zhu X, Larkin E, Lange LA, Cupples LA, Yang Q, Akylbekova EL, Musani SK, Divers J, Mychaleckyj J, Li M, Papanicolaou GJ, Millikan RC, Ambrosone CB, John EM, Bernstein L, Zheng W, Hu JJ, Ziegler RG, Nyante SJ, Bandera EV, Ingles SA, Press MF, Chanock SJ, Deming SL, Rodriguez-Gil JL, Palmer CD, Buxbaum S, Ekunwe L, Hirschhorn JN, Henderson BE, Myers S, Haiman CA, Reich D, Patterson N, Wilson JG, Price AL. Enhanced statistical tests for GWAS in admixed populations: assessment using African Americans from CARE and a Breast Cancer Consortium. *PLoS Genet.* Apr 2011;7(4):e1001371. (PubMed ID Number: 21541012 PMID: PMC3080860).
74. Patton KK, Benjamin EJ, Kosheleva A, Curtis LH, Glymour MM. Early-life antecedents of atrial fibrillation: place of birth and atrial fibrillation-related mortality. *Ann Epidemiol.* Oct 2011;21(10):732-738. (PubMed ID Number: 21798760 PMID: PMC3166377).
75. Pencina MJ, D'Agostino RB, Sr., Steyerberg EW. Extensions of net reclassification improvement calculations to measure usefulness of new biomarkers. *Stat Med.* Jan 15 2011;30(1):11-21. (PubMed ID Number: 21204120 PMID: PMC3341973).
76. Polak JF, Pencina MJ, Pencina KM, O'Donnell CJ, Wolf PA, D'Agostino RB, Sr. Carotid-wall intima-media thickness and cardiovascular events. *N Engl J Med.* Jul 21 2011;365(3):213-221. (PubMed ID Number: 21774709 PMID: PMC3153949).
77. Poly C, Massaro JM, Seshadri S, Wolf PA, Cho E, Krall E, Jacques PF, Au R. The relation of dietary choline to cognitive performance and white-matter hyperintensity in the Framingham Offspring Cohort. *Am J Clin Nutr.* Dec 2011;94(6):1584-1591. (PubMed ID Number: 22071706 PMID: PMC3252552).
78. Rhee EP, Cheng S, Larson MG, Walford GA, Lewis GD, McCabe E, Yang E, Farrell L, Fox CS, O'Donnell CJ, Carr SA, Vasan RS, Florez JC, Clish CB, Wang TJ, Gerszten RE. Lipid profiling identifies a triacylglycerol signature of insulin resistance and improves diabetes prediction in humans. *J Clin Invest.* Apr 2011;121(4):1402-1411. (PubMed ID Number: 21403394 PMID: PMC3069773).
79. Rienstra M, Cheng S, Larson MG, McCabe EL, Booth SL, Jacques PF, Lubitz SA, Yin X, Levy D, Magnani JW, Ellinor PT, Benjamin EJ, Wang TJ. Vitamin D status is not related to development of atrial fibrillation in the community. *Am Heart J.* Sep 2011;162(3):538-541. (PubMed ID Number: 21884873 PMID: PMC3170821).
80. Robins SJ, Lyass A, Zachariah JP, Massaro JM, Vasan RS. Insulin resistance and the relationship of a dyslipidemia to coronary heart disease: the Framingham Heart Study. *Arterioscler Thromb Vasc Biol.* May 2011;31(5):1208-1214.

- (PubMed ID Number: 21311041 PMCID: PMC3087170).
81. Schmidt H, Zeginigg M, Wiltgen M, Freudenberger P, Petrovic K, Cavalieri M, Gider P, Enzinger C, Fornage M, Debette S, Rotter JI, Ikram MA, Launer LJ, Schmidt R. Genetic variants of the NOTCH3 gene in the elderly and magnetic resonance imaging correlates of age-related cerebral small vessel disease. *Brain*. Nov 2011;134(Pt 11):3384-3397. (PubMed ID Number: 22006983 PMCID: PMC3212720).
  82. Schnabel RB, Kerr KF, Lubitz SA, Alkylbekova EL, Marcus GM, Sinner MF, Magnani JW, Wolf PA, Deo R, Lloyd-Jones DM, Lunetta KL, Mehra R, Levy D, Fox ER, Arking DE, Mosley TH, Muller-Nurasyid M, Young TR, Wichmann HE, Seshadri S, Farlow DN, Rotter JI, Soliman EZ, Glazer NL, Wilson JG, Breteler MM, Sotoodehnia N, Newton-Cheh C, Kaab S, Ellinor PT, Alonso A, Benjamin EJ, Heckbert SR. Large-scale candidate gene analysis in whites and African Americans identifies IL6R polymorphism in relation to atrial fibrillation: the National Heart, Lung, and Blood Institute's Candidate Gene Association Resource (CARE) project. *Circ Cardiovasc Genet*. Oct 2011;4(5):557-564. (PubMed ID Number: 21846873 PMCID: PMC3224824).
  83. Schunkert H, Konig IR, Kathiresan S, Reilly MP, Assimes TL, Holm H, Preuss M, Stewart AF, Barbalic M, Gieger C, Absher D, Aherrahrou Z, Allayee H, Altshuler D, Anand SS, Andersen K, Anderson JL, Ardissino D, Ball SG, Balmforth AJ, Barnes TA, Becker DM, Becker LC, Berger K, Bis JC, Boekholdt SM, Boerwinkle E, Braund PS, Brown MJ, Burnett MS, Buyschaert I, Carlquist JF, Chen L, Cichon S, Codd V, Davies RW, Dedoussis G, Dehghan A, Demissie S, Devaney JM, Diemert P, Do R, Doering A, Eifert S, Mokhtari NE, Ellis SG, Elosua R, Engert JC, Epstein SE, de Faire U, Fischer M, Folsom AR, Freyer J, Gigante B, Girelli D, Gretarsdottir S, Gudnason V, Gulcher JR, Halperin E, Hammond N, Hazen SL, Hofman A, Horne BD, Illig T, Iribarren C, Jones GT, Jukema JW, Kaiser MA, Kaplan LM, Kastelein JJ, Khaw KT, Knowles JW, Kolovou G, Kong A, Laaksonen R, Lambrechts D, Leander K, Lettre G, Li M, Lieb W, Loley C, Lotery AJ, Mannucci PM, Maouche S, Martinelli N, McKeown PP, Meisinger C, Meitinger T, Melander O, Merlini PA, Mooser V, Morgan T, Muhleisen TW, Muhlestein JB, Munzel T, Musunuru K, Nahrstaedt J, Nelson CP, Nothen MM, Olivieri O, Patel RS, Patterson CC, Peters A, Peyvandi F, Qu L, Quyyumi AA, Rader DJ, Rallidis LS, Rice C, Rosendaal FR, Rubin D, Salomaa V, Sampietro ML, Sandhu MS, Schadt E, Schafer A, Schillert A, Schreiber S, Schrezenmeir J, Schwartz SM, Siscovick DS, Sivananthan M, Sivapalaratnam S, Smith A, Smith TB, Snoep JD, Soranzo N, Spertus JA, Stark K, Stirrups K, Stoll M, Tang WH, Tennstedt S, Thorgeirsson G, Thorleifsson G, Tomaszewski M, Uitterlinden AG, van Rij AM, Voight BF, Wareham NJ, Wells GA, Wichmann HE, Wild PS, Willenborg C, Witteman JC, Wright BJ, Ye S, Zeller T, Ziegler A, Cambien F, Goodall AH, Cupples LA, Quertermous T, Marz W, Hengstenberg C, Blankenberg S, Ouwehand WH, Hall AS, Deloukas P, Thompson JR, Stefansson K, Roberts R, Thorsteinsdottir U, O'Donnell CJ, McPherson R, Erdmann J, Samani NJ. Large-scale association analysis identifies 13 new susceptibility loci for coronary artery disease. *Nat Genet*. Apr 2011;43(4):333-338. (PubMed ID Number: 21378990 PMCID: PMC3119261).

84. Schwedhelm E, Xanthakis V, Maas R, Sullivan LM, Atzler D, Luneburg N, Glazer NL, Riederer U, Vasani RS, Boger RH. Plasma symmetric dimethylarginine reference limits from the Framingham offspring cohort. *Clin Chem Lab Med*. Nov 2011;49(11):1907-1910. (PubMed ID Number: 21864208 PMID: PMC3235736).
85. Seshadri S, Beiser A, Au R, Wolf PA, Evans DA, Wilson RS, Petersen RC, Knopman DS, Rocca WA, Kawas CH, Corrada MM, Plassman BL, Langa KM, Chui HC. Operationalizing diagnostic criteria for Alzheimer's disease and other age-related cognitive impairment-Part 2. *Alzheimers Dement*. Jan 2011;7(1):35-52. (PubMed ID Number: 21255742 PMID: PMC3039838).
86. Shaw SY, Cheng S, Cupples LA, Larson MG, McCabe EL, Ngwa JS, Wang YA, Martin RP, Klein RJ, Hashmi B, Ajjola OA, Lau E, O'Donnell CJ, Vasani RS, Cohen KS, Wang TJ. Genetic and clinical correlates of early-outgrowth colony-forming units. *Circ Cardiovasc Genet*. Jun 2011;4(3):296-304. (PubMed ID Number: 21493818 PMID: PMC3339257).
87. Shen J, Johnson VM, Sullivan LM, Jacques PF, Magnani JW, Lubitz SA, Pandey S, Levy D, Vasani RS, Quatromoni PA, Junyent M, Ordovas JM, Benjamin EJ. Dietary factors and incident atrial fibrillation: the Framingham Heart Study. *Am J Clin Nutr*. Feb 2011;93(2):261-266. (PubMed ID Number: 21106919 PMID: PMC3021424).
88. Smith BT, Lynch JW, Fox CS, Harper S, Abrahamowicz M, Almeida ND, Loucks EB. Life-course socioeconomic position and type 2 diabetes mellitus: The Framingham Offspring Study. *Am J Epidemiol*. Feb 15 2011;173(4):438-447. (PubMed ID Number: 21242301 PMID: PMC3032804).
89. Soler Artigas M, 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, Heliovaara 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, Pietilainen 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, Volzke 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, Kaprio J, Wilson JF,

- Hayward C, Kahonen M, Heinrich J, Musk AW, Jarvis DL, Glaser S, Jarvelin 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.* Nov 2011;43(11):1082-1090. (PubMed ID Number: 21946350 PMID: PMC3267376).
90. Speliotes EK, Yerges-Armstrong LM, Wu J, Hernaez R, Kim LJ, Palmer CD, Gudnason V, Eiriksdottir G, Garcia ME, Launer LJ, Nalls MA, Clark JM, Mitchell BD, Shuldiner AR, Butler JL, Tomas M, Hoffmann U, Hwang SJ, Massaro JM, O'Donnell CJ, Sahani DV, Salomaa V, Schadt EE, Schwartz SM, Siscovick DS, Voight BF, Carr JJ, Feitosa MF, Harris TB, Fox CS, Smith AV, Kao WH, Hirschhorn JN, Borecki IB. Genome-wide association analysis identifies variants associated with nonalcoholic fatty liver disease that have distinct effects on metabolic traits. *PLoS Genet.* Mar 2011;7(3):e1001324. (PubMed ID Number: 21423719 PMID: PMC3053321).
91. Strawbridge RJ, Dupuis J, Prokopenko I, Barker A, Ahlqvist E, Rybin D, Petrie JR, Travers ME, Bouatia-Naji N, Dimas AS, Nica A, Wheeler E, Chen H, Voight BF, Taneera J, Kanoni S, Peden JF, Turrini F, Gustafsson S, Zabena C, Almgren P, Barker DJ, Barnes D, Dennison EM, Eriksson JG, Eriksson P, Eury E, Folkersen L, Fox CS, Frayling TM, Goel A, Gu HF, Horikoshi M, Isomaa B, Jackson AU, Jameson KA, Kajantie E, Kerr-Conte J, Kuulasmaa T, Kuusisto J, Loos RJ, Luan J, Makrilakis K, Manning AK, Martinez-Larrad MT, Narisu N, Nastase Mannila M, Ohrvik J, Osmond C, Pascoe L, Payne F, Sayer AA, Sennblad B, Silveira A, Stancakova A, Stirrups K, Swift AJ, Syvanen AC, Tuomi T, van 't Hooft FM, Walker M, Weedon MN, Xie W, Zethelius B, Ongen H, Malarstig A, Hopewell JC, Saleheen D, Chambers J, Parish S, Danesh J, Kooner J, Ostenson CG, Lind L, Cooper CC, Serrano-Rios M, Ferrannini E, Forsen TJ, Clarke R, Franzosi MG, Seedorf U, Watkins H, Froguel P, Johnson P, Deloukas P, Collins FS, Laakso M, Dermitzakis ET, Boehnke M, McCarthy MI, Wareham NJ, Groop L, Pattou F, Gloyn AL, Dedoussis GV, Lyssenko V, Meigs JB, Barroso I, Watanabe RM, Ingelsson E, Langenberg C, Hamsten A, Florez JC. Genome-wide association identifies nine common variants associated with fasting proinsulin levels and provides new insights into the pathophysiology of type 2 diabetes. *Diabetes.* Oct 2011;60(10):2624-2634. (PubMed ID Number: 21873549 PMID: PMC3178302).
92. Tan ZS, Beiser AS, Fox CS, Au R, Himali JJ, Debette S, Decarli C, Vasan RS, Wolf PA, Seshadri S. Association of metabolic dysregulation with volumetric brain magnetic resonance imaging and cognitive markers of subclinical brain aging in middle-aged adults: the Framingham Offspring Study. *Diabetes Care.* Aug 2011;34(8):1766-1770. (PubMed ID Number: 21680719 PMID: PMC3142014).
93. Tin A, Woodward OM, Kao WH, Liu CT, Lu X, Nalls MA, Shriner D, Semmo M, Akylbekova EL, Wyatt SB, Hwang SJ, Yang Q, Zonderman AB, Adeyemo AA, Palmer C, Meng Y, Reilly M, Shlipak MG, Siscovick D, Evans MK, Rotimi CN, Flessner MF, Kottgen M, Cupples LA, Fox CS, Kottgen A. Genome-wide association study for serum urate concentrations and gout among African Americans identifies genomic risk loci and a novel URAT1 loss-of-function allele.

- Hum Mol Genet.* Oct 15 2011;20(20):4056-4068. (PubMed ID Number: 21768215 PMID: PMC3177647).
94. Tsao CW, Gona P, Salton C, Danias PG, Blease S, Hoffmann U, Fox CS, Albert M, Levy D, O'Donnell CJ, Manning WJ, Yeon SB. Subclinical and clinical correlates of left ventricular wall motion abnormalities in the community. *Am J Cardiol.* Mar 15 2011;107(6):949-955. (PubMed ID Number: 21247548 PMID: PMC3233992).
95. Tsao CW, Gona P, Salton C, Murabito JM, Oyama N, Danias PG, O'Donnell CJ, Manning WJ, Yeon SB. Relationship between central and peripheral atherosclerosis and left ventricular dysfunction in a community population. *Vasc Med.* Aug 2011;16(4):253-259. (PubMed ID Number: 21708875 PMID: PMC3249244).
96. Uno H, Cai T, Pencina MJ, D'Agostino RB, Wei LJ. On the C-statistics for evaluating overall adequacy of risk prediction procedures with censored survival data. *Stat Med.* May 10 2011;30(10):1105-1117. (PubMed ID Number: 21484848 PMID: PMC3079915).
97. Upadhyay A, Larson MG, Guo CY, Vasani RS, Lipinska I, O'Donnell CJ, Kathiresan S, Meigs JB, Keaney JF, Jr., Rong J, Benjamin EJ, Fox CS. Inflammation, kidney function and albuminuria in the Framingham Offspring cohort. *Nephrol Dial Transplant.* Mar 2011;26(3):920-926. (PubMed ID Number: 20682604 PMID: PMC3108344).
98. Wain LV, Verwoert GC, O'Reilly PF, Shi G, Johnson T, Johnson AD, Bochud M, Rice KM, Henneman P, Smith AV, Ehret GB, Amin N, Larson MG, Mooser V, Hadley D, Dorr M, Bis JC, Aspelund T, Esko T, Janssens AC, Zhao JH, Heath S, Laan M, Fu J, Pistis G, Luan J, Arora P, Lucas G, Pirastu N, Pichler I, Jackson AU, Webster RJ, Zhang F, Peden JF, Schmidt H, Tanaka T, Campbell H, Igl W, Milaneschi Y, Hottenga JJ, Vitart V, Chasman DI, Trompet S, Bragg-Gresham JL, Alizadeh BZ, Chambers JC, Guo X, Lehtimäki T, Kuhnel B, Lopez LM, Polasek O, Boban M, Nelson CP, Morrison AC, Pihur V, Ganesh SK, Hofman A, Kundu S, Mattace-Raso FU, Rivadeneira F, Sijbrands EJ, Uitterlinden AG, Hwang SJ, Vasani RS, Wang TJ, Bergmann S, Vollenweider P, Waeber G, Laitinen J, Pouta A, Zitting P, McArdle WL, Kroemer HK, Volker U, Volzke H, Glazer NL, Taylor KD, Harris TB, Alavere H, Haller T, Keis A, Tammesoo ML, Aulchenko Y, Barroso I, Khaw KT, Galan P, Hercberg S, Lathrop M, Eyheramendy S, Org E, Sober S, Lu X, Nolte IM, Penninx BW, Corre T, Masciullo C, Sala C, Groop L, Voight BF, Melander O, O'Donnell CJ, Salomaa V, d'Adamo AP, Fabretto A, Faletra F, Ulivi S, Del Greco F, Facheris M, Collins FS, Bergman RN, Beilby JP, Hung J, Musk AW, Mangino M, Shin SY, Soranzo N, Watkins H, Goel A, Hamsten A, Gider P, Lottfelder M, Zeginigg M, Hernandez D, Najjar SS, Navarro P, Wild SH, Corsi AM, Singleton A, de Geus EJ, Willemsen G, Parker AN, Rose LM, Buckley B, Stott D, Orru M, Uda M, van der Klauw MM, Zhang W, Li X, Scott J, Chen YD, Burke GL, Kahonen M, Viikari J, Doring A, Meitinger T, Davies G, Starr JM, Emilsson V, Plump A, Lindeman JH, Hoen PA, König IR, Felix JF, Clarke R, Hopewell JC, Ongen H, Breteler M, Debette S, Destefano AL, Fornage M, Mitchell GF, Smith NL, Holm H, Stefansson K, Thorleifsson G, Thorsteinsdottir U, Samani NJ, Preuss M, Rudan I, Hayward C,

- Deary IJ, Wichmann HE, Raitakari OT, Palmas W, Kooner JS, Stolk RP, Jukema JW, Wright AF, Boomsma DI, Bandinelli S, Gyllensten UB, Wilson JF, Ferrucci L, Schmidt R, Farrall M, Spector TD, Palmer LJ, Tuomilehto J, Pfeufer A, Gasparini P, Siscovick D, Altshuler D, Loos RJ, Toniolo D, Snieder H, Gieger C, Meneton P, Wareham NJ, Oostra BA, Metspalu A, Launer L, Rettig R, Strachan DP, Beckmann JS, Witteman JC, Erdmann J, van Dijk KW, Boerwinkle E, Boehnke M, Ridker PM, Jarvelin MR, Chakravarti A, Abecasis GR, Gudnason V, Newton-Cheh C, Levy D, Munroe PB, Psaty BM, Caulfield MJ, Rao DC, Tobin MD, Elliott P, van Duijn CM. Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. *Nat Genet.* Oct 2011;43(10):1005-1011. (PubMed ID Number: 21909110 PMID: PMC3445021).
99. Walter S, Atzmon G, Demerath EW, Garcia ME, Kaplan RC, Kumari M, Lunetta KL, Milaneschi Y, Tanaka T, Tranah GJ, Volker U, Yu L, Arnold A, Benjamin EJ, Biffar R, Buchman AS, Boerwinkle E, Couper D, De Jager PL, Evans DA, Harris TB, Hoffmann W, Hofman A, Karasik D, Kiel DP, Kocher T, Kuningas M, Launer LJ, Lohman KK, Lutsey PL, Mackenbach J, Marciante K, Psaty BM, Reiman EM, Rotter JI, Seshadri S, Shardell MD, Smith AV, van Duijn C, Walston J, Zillikens MC, Bandinelli S, Baumeister SE, Bennett DA, Ferrucci L, Gudnason V, Kivimaki M, Liu Y, Murabito JM, Newman AB, Tiemeier H, Franceschini N. A genome-wide association study of aging. *Neurobiol Aging.* Nov 2011;32(11):2109 e2115-2128. (PubMed ID Number: 21782286 PMID: PMC3193030).
100. Wang TJ, Larson MG, Vasani RS, Cheng S, Rhee EP, McCabe E, Lewis GD, Fox CS, Jacques PF, Fernandez C, O'Donnell CJ, Carr SA, Mootha VK, Florez JC, Souza A, Melander O, Clish CB, Gerszten RE. Metabolite profiles and the risk of developing diabetes. *Nat Med.* Apr 2011;17(4):448-453. (PubMed ID Number: 21423183 PMID: PMC3126616).
101. Wei GS, Coady SA, Goff DC, Jr., Brancati FL, Levy D, Selvin E, Vasani RS, Fox CS. Blood pressure and the risk of developing diabetes in african americans and whites: ARIC, CARDIA, and the framingham heart study. *Diabetes Care.* Apr 2011;34(4):873-879. (PubMed ID Number: 21346180 PMID: PMC3064044).
102. Zachariah JP, Pencina MJ, Lyass A, Kaur G, D'Agostino RB, Ordovas JM, Vasani RS. Circulating plasma cholesteryl ester transfer protein activity and blood pressure tracking in the community. *J Hypertens.* May 2011;29(5):863-868. (PubMed ID Number: 21430561 PMID: PMC3204923).
103. Zhai G, Teumer A, Stolk L, Perry JR, Vandenput L, Coviello AD, Koster A, Bell JT, Bhasin S, Eriksson J, Eriksson A, Ernst F, Ferrucci L, Frayling TM, Glass D, Grundberg E, Haring R, Hedman AK, Hofman A, Kiel DP, Kroemer HK, Liu Y, Lunetta KL, Maggio M, Lorentzon M, Mangino M, Melzer D, Miljkovic I, Nica A, Penninx BW, Vasani RS, Rivadeneira F, Small KS, Soranzo N, Uitterlinden AG, Volzke H, Wilson SG, Xi L, Zhuang WV, Harris TB, Murabito JM, Ohlsson C, Murray A, de Jong FH, Spector TD, Wallaschofski H. Eight common genetic variants associated with serum DHEAS levels suggest a key role in ageing mechanisms. *PLoS Genet.* Apr 2011;7(4):e1002025. (PubMed ID Number: 21533175 PMID: PMC3077384).
104. Zhu X, Young JH, Fox E, Keating BJ, Franceschini N, Kang S, Tayo B, Adeyemo A, Sun YV, Li Y, Morrison A, Newton-Cheh C, Liu K, Ganesh SK, Kutlar A, Vasani

- RS, Dreisbach A, Wyatt S, Polak J, Palmas W, Musani S, Taylor H, Fabsitz R, Townsend RR, Dries D, Glessner J, Chiang CW, Mosley T, Kardia S, Curb D, Hirschhorn JN, Rotimi C, Reiner A, Eaton C, Rotter JI, Cooper RS, Redline S, Chakravarti A, Levy D. Combined admixture mapping and association analysis identifies a novel blood pressure genetic locus on 5p13: contributions from the CARE consortium. *Hum Mol Genet.* Jun 1 2011;20(11):2285-2295. (PubMed ID Number: 21422096 PMID: PMC3090198).
- 105.** Zoltick ES, Sahni S, McLean RR, Quach L, Casey VA, Hannan MT. Dietary protein intake and subsequent falls in older men and women: the Framingham Study. *J Nutr Health Aging.* Feb 2011;15(2):147-152. (PubMed ID Number: 21365169 PMID: PMC3136106).

## Framingham Heart Study 2012 Bibliography

1. Ackert-Bicknell CL, Demissie S, Tsaih SW, Beamer WG, Cupples LA, Paigen BJ, Hsu YH, Kiel DP, Karasik D. Genetic variation in TRPS1 may regulate hip geometry as well as bone mineral density. *Bone*. May 2012;50(5):1188-1195. (PubMed ID Number: 22306695 PMCID: PMC3322322).
2. Anderson DE, D'Agostino JM, Bruno AG, Manoharan RK, Bouxsein ML. Regressions for estimating muscle parameters in the thoracic and lumbar trunk for use in musculoskeletal modeling. *J Biomech*. Jan 3 2012;45(1):66-75. (PubMed ID Number: 22018580 PMCID: PMC3242869).
3. Asselbergs FW, Guo Y, van Iperen EP, Sivapalaratnam S, Tragante V, Lanktree MB, Lange LA, Almqvister B, Appelman YE, Barnard J, Baumert J, Beitelshes AL, Bhangale TR, Chen YD, Gaunt TR, Gong Y, Hopewell JC, Johnson T, Kleber ME, Langaa TY, Li M, Li YR, Liu K, McDonough CW, Meijis MF, Middelberg RP, Musunuru K, Nelson CP, O'Connell JR, Padmanabhan S, Pankow JS, Pankratz N, Rafelt S, Rajagopalan R, Romaine SP, Schork NJ, Shaffer J, Shen H, Smith EN, Tischfield SE, van der Most PJ, van Vliet-Ostaptchouk JV, Verweij N, Volcik KA, Zhang L, Bailey KR, Bailey KM, Bauer F, Boer JM, Braund PS, Burt A, Burton PR, Buxbaum SG, Chen W, Cooper-Dehoff RM, Cupples LA, deJong JS, Delles C, Duggan D, Fornage M, Furlong CE, Glazer N, Gums JG, Hastie C, Holmes MV, Illig T, Kirkland SA, Kivimaki M, Klein R, Klein BE, Kooperberg C, Kottke-Marchant K, Kumari M, LaCroix AZ, Mallela L, Murugesan G, Ordovas J, Ouwehand WH, Post WS, Saxena R, Scharnagl H, Schreiner PJ, Shah T, Shields DC, Shimbo D, Srinivasan SR, Stolk RP, Swerdlow DI, Taylor HA, Jr., Topol EJ, Toskala E, van Pelt JL, van Setten J, Yusuf S, Whittaker JC, Zwinderman AH, Anand SS, Balmforth AJ, Berenson GS, Bezzina CR, Boehm BO, Boerwinkle E, Casas JP, Caulfield MJ, Clarke R, Connell JM, Cruickshanks KJ, Davidson KW, Day IN, de Bakker PI, Doevendans PA, Dominiczak AF, Hall AS, Hartman CA, Hengstenberg C, Hillege HL, Hofker MH, Humphries SE, Jarvik GP, Johnson JA, Kaess BM, Kathiresan S, Koenig W, Lawlor DA, Marz W, Melander O, Mitchell BD, Montgomery GW, Munroe PB, Murray SS, Newhouse SJ, Onland-Moret NC, Poulter N, Psaty B, Redline S, Rich SS, Rotter JI, Schunkert H, Sever P, Shuldiner AR, Silverstein RL, Stanton A, Thorand B, Trip MD, Tsai MY, van der Harst P, van der Schoot E, van der Schouw YT, Verschuren WM, Watkins H, Wilde AA, Wolffenbuttel BH, Whitfield JB, Hovingh GK, Ballantyne CM, Wijmenga C, Reilly MP, Martin NG, Wilson JG, Rader DJ, Samani NJ, Reiner AP, Hegele RA, Kastelein JJ, Hingorani AD, Talmud PJ, Hakonarson H, Elbers CC, Keating BJ, Drenos F. Large-scale gene-centric meta-analysis across 32 studies identifies multiple lipid loci. *Am J Hum Genet*. Nov 2 2012;91(5):823-838. (PubMed ID Number: 23063622 PMCID: PMC3487124).
4. Au R, Seshadri S, Knox K, Beiser A, Himali JJ, Cabral HJ, Auerbach S, Green RC, Wolf PA, McKee AC. The Framingham Brain Donation Program: neuropathology along the cognitive continuum. *Curr Alzheimer Res*. Jul 2012;9(6):673-686. (PubMed ID Number: 22471865).

5. Barral S, Fernandez-Cadenas I, Bis JC, Montaner J, Ikram AM, Launer LJ, Fornage M, Schmidt H, Brickman AM, Seshadri S, Mayeux R. No association of ALOX5AP polymorphisms with risk of MRI-defined brain infarcts. *Neurobiol Aging*. Mar 2012;33(3):629 e621-623. (PubMed ID Number: 22074807 PMID: PMC3259245).
6. Bick AG, Flannick J, Ito K, Cheng S, Vasani RS, Parfenov MG, Herman DS, DePalma SR, Gupta N, Gabriel SB, Funke BH, Rehm HL, Benjamin EJ, Aragam J, Taylor HA, Jr., Fox ER, Newton-Cheh C, Kathiresan S, O'Donnell CJ, Wilson JG, Altshuler DM, Hirschhorn JN, Seidman JG, Seidman C. Burden of rare sarcomere gene variants in the Framingham and Jackson Heart Study cohorts. *Am J Hum Genet*. Sep 7 2012;91(3):513-519. (PubMed ID Number: 22958901 PMID: PMC3511985).
7. Billings LK, Hsu YH, Ackerman RJ, Dupuis J, Voight BF, Rasmussen-Torvik LJ, Hercberg S, Lathrop M, Barnes D, Langenberg C, Hui J, Fu M, Bouatia-Naji N, Lecoeur C, An P, Magnusson PK, Surakka I, Ripatti S, Christiansen L, Dalgard C, Folkersen L, Grundberg E, Eriksson P, Kaprio J, Ohm Kyvik K, Pedersen NL, Borecki IB, Province MA, Balkau B, Froguel P, Shuldiner AR, Palmer LJ, Wareham N, Meneton P, Johnson T, Pankow JS, Karasik D, Meigs JB, Kiel DP, Florez JC. Impact of common variation in bone-related genes on type 2 diabetes and related traits. *Diabetes*. Aug 2012;61(8):2176-2186. (PubMed ID Number: 22698912 PMID: PMC3402303).
8. Bis JC, DeCarli C, Smith AV, van der Lijn F, Crivello F, Fornage M, Debette S, Shulman JM, Schmidt H, Srikanth V, Schuur M, Yu L, Choi SH, Sigurdsson S, Verhaaren BF, DeStefano AL, Lambert JC, Jack CR, Jr., Struchalin M, Stankovich J, Ibrahim-Verbaas CA, Fleischman D, Zijdenbos A, den Heijer T, Mazoyer B, Coker LH, Enzinger C, Danoy P, Amin N, Arfanakis K, van Buchem MA, de Bruijn RF, Beiser A, Dufouil C, Huang J, Cavalleri M, Thomson R, Niessen WJ, Chibnik LB, Gislason GK, Hofman A, Pikula A, Amouyel P, Freeman KB, Phan TG, Oostra BA, Stein JL, Medland SE, Vasquez AA, Hibar DP, Wright MJ, Franke B, Martin NG, Thompson PM, Nalls MA, Uitterlinden AG, Au R, Elbaz A, Beare RJ, van Swieten JC, Lopez OL, Harris TB, Chouraki V, Breteler MM, De Jager PL, Becker JT, Vernooij MW, Knopman D, Fazekas F, Wolf PA, van der Lugt A, Gudnason V, Longstreth WT, Jr., Brown MA, Bennett DA, van Duijn CM, Mosley TH, Schmidt R, Tzourio C, Launer LJ, Ikram MA, Seshadri S. Common variants at 12q14 and 12q24 are associated with hippocampal volume. *Nat Genet*. May 2012;44(5):545-551. (PubMed ID Number: 22504421 PMID: PMC3427729).
9. Brautbar A, Pompeii LA, Dehghan A, Ngwa JS, Nambi V, Virani SS, Rivadeneira F, Uitterlinden AG, Hofman A, Witteman JC, Pencina MJ, Folsom AR, Cupples LA, Ballantyne CM, Boerwinkle E. A genetic risk score based on direct associations with coronary heart disease improves coronary heart disease risk prediction in the Atherosclerosis Risk in Communities (ARIC), but not in the Rotterdam and Framingham Offspring, Studies. *Atherosclerosis*. Aug 2012;223(2):421-426. (PubMed ID Number: 22789513).
10. Britton KA, Pedley A, Massaro JM, Corsini EM, Murabito JM, Hoffmann U, Fox CS. Prevalence, distribution, and risk factor correlates of high thoracic periaortic

- fat in the Framingham Heart Study. *J Am Heart Assoc.* Dec 2012;1(6):e004200. (PubMed ID Number: 23316328 PMID: PMC3540666).
11. Broer L, Demerath EW, Garcia ME, Homuth G, Kaplan RC, Lunetta KL, Tanaka T, Tranah GJ, Walter S, Arnold AM, Atzmon G, Harris TB, Hoffmann W, Karasik D, Kiel DP, Kocher T, Launer LJ, Lohman KK, Rotter JI, Tiemeier H, Uitterlinden AG, Wallaschofski H, Bandinelli S, Dorr M, Ferrucci L, Franceschini N, Gudnason V, Hofman A, Liu Y, Murabito JM, Newman AB, Oostra BA, Psaty BM, Smith AV, van Duijn CM. Association of heat shock proteins with all-cause mortality. *Age (Dordr)*. May 4 2012. (PubMed ID Number: 22555621).
  12. Bruno AG, Anderson DE, D'Agostino J, Bouxsein ML. The effect of thoracic kyphosis and sagittal plane alignment on vertebral compressive loading. *J Bone Miner Res.* Oct 2012;27(10):2144-2151. (PubMed ID Number: 22589006 PMID: PMC3431452).
  13. Bukowski R, Chlebowski RT, Thune I, Furberg AS, Hankins GD, Malone FD, D'Alton ME. Birth weight, breast cancer and the potential mediating hormonal environment. *PLoS One.* 2012;7(7):e40199. (PubMed ID Number: 22815728 PMID: PMC3398929).
  14. Chasman DI, Fuchsberger C, Pattaro C, Teumer A, Boger CA, Endlich K, Olden M, Chen MH, Tin A, Taliun D, Li M, Gao X, Gorski M, Yang Q, Hundertmark C, Foster MC, O'Seaghdha CM, Glazer N, Isaacs A, Liu CT, Smith AV, O'Connell JR, Struchalin M, Tanaka T, Li G, Johnson AD, Gierman HJ, Feitosa MF, Hwang SJ, Atkinson EJ, Lohman K, Cornelis MC, Johansson A, Tonjes A, Dehghan A, Lambert JC, Holliday EG, Sorice R, Kutalik Z, Lehtimäki T, Esko T, Deshmukh H, Ulivi S, Chu AY, Murgia F, Trompet S, Imboden M, Coassin S, Pistis G, Harris TB, Launer LJ, Aspelund T, Eiriksdottir G, Mitchell BD, Boerwinkle E, Schmidt H, Cavalieri M, Rao M, Hu F, Demirkan A, Oostra BA, de Andrade M, Turner ST, Ding J, Andrews JS, Freedman BI, Giulianini F, Koenig W, Illig T, Meisinger C, Gieger C, Zgaga L, Zemunik T, Boban M, Minelli C, Wheeler HE, Igl W, Zaboli G, Wild SH, Wright AF, Campbell H, Ellinghaus D, Nothlings U, Jacobs G, Biffar R, Ernst F, Homuth G, Kroemer HK, Nauck M, Stracke S, Volker U, Volzke H, Kovacs P, Stumvoll M, Magi R, Hofman A, Uitterlinden AG, Rivadeneira F, Aulchenko YS, Polasek O, Hastie N, Vitart V, Helmer C, Wang JJ, Stengel B, Ruggiero D, Bergmann S, Kahonen M, Viikari J, Nikopensius T, Province M, Ketkar S, Colhoun H, Doney A, Robino A, Kramer BK, Portas L, Ford I, Buckley BM, Adam M, Thun GA, Paulweber B, Haun M, Sala C, Mitchell P, Ciullo M, Kim SK, Vollenweider P, Raitakari O, Metspalu A, Palmer C, Gasparini P, Pirastu M, Jukema JW, Probst-Hensch NM, Kronenberg F, Toniolo D, Gudnason V, Shuldiner AR, Coresh J, Schmidt R, Ferrucci L, Siscovick DS, van Duijn CM, Borecki IB, Kardina SL, Liu Y, Curhan GC, Rudan I, Gyllenstein U, Wilson JF, Franke A, Pramstaller PP, Rettig R, Prokopenko I, Witteman J, Hayward C, Ridker PM, Parsa A, Bochud M, Heid IM, Kao WH, Fox CS, Kottgen A. Integration of genome-wide association studies with biological knowledge identifies six novel genes related to kidney function. *Hum Mol Genet.* Dec 15 2012;21(24):5329-5343. (PubMed ID Number: 22962313).
  15. Chen MH, Huang J, Chen WM, Larson MG, Fox CS, Vasan RS, Seshadri S, O'Donnell CJ, Yang Q. Using family-based imputation in genome-wide

- association studies with large complex pedigrees: the Framingham Heart Study. *PLoS One*. 2012;7(12):e51589. (PubMed ID Number: 23284720 PMID: PMC3524237).
16. Cheng S, Rhee EP, Larson MG, Lewis GD, McCabe EL, Shen D, Palma MJ, Roberts LD, Dejam A, Souza AL, Deik AA, Magnusson M, Fox CS, O'Donnell CJ, Vasani RS, Melander O, Clish CB, Gerszten RE, Wang TJ. Metabolite profiling identifies pathways associated with metabolic risk in humans. *Circulation*. May 8 2012;125(18):2222-2231. (PubMed ID Number: 22496159 PMID: PMC3376658).
  17. Cheng S, Wang N, Larson MG, Palmisano JN, Mitchell GF, Benjamin EJ, Vasani RS, Levy D, McCabe EL, Vita JA, Wang TJ, Shaw SY, Cohen KS, Hamburg NM. Circulating angiogenic cell populations, vascular function, and arterial stiffness. *Atherosclerosis*. Jan 2012;220(1):145-150. (PubMed ID Number: 22093724 PMID: PMC3277804).
  18. Cheng S, Xanthakis V, Sullivan LM, Vasani RS. Blood pressure tracking over the adult life course: patterns and correlates in the Framingham heart study. *Hypertension*. Dec 2012;60(6):1393-1399. (PubMed ID Number: 23108660 PMID: PMC3499677).
  19. Chuang ML, Gona P, Hautvast GL, Salton CJ, Blease SJ, Yeon SB, Breeuwer M, O'Donnell CJ, Manning WJ. Correlation of trabeculae and papillary muscles with clinical and cardiac characteristics and impact on cmr measures of LV anatomy and function. *JACC Cardiovasc Imaging*. Nov 2012;5(11):1115-1123. (PubMed ID Number: 23153911 PMID: PMC3502069).
  20. Chuang ML, Massaro JM, Levitzky YS, Fox CS, Manders ES, Hoffmann U, O'Donnell CJ. Prevalence and distribution of abdominal aortic calcium by gender and age group in a community-based cohort (from the Framingham Heart Study). *Am J Cardiol*. Sep 15 2012;110(6):891-896. (PubMed ID Number: 22727181 PMID: PMC3432173).
  21. Coglianese EE, Larson MG, Vasani RS, Ho JE, Ghorbani A, McCabe EL, Cheng S, Fradley MG, Kretschman D, Gao W, O'Connor G, Wang TJ, Januzzi JL. Distribution and clinical correlates of the interleukin receptor family member soluble ST2 in the Framingham Heart Study. *Clin Chem*. Dec 2012;58(12):1673-1681. (PubMed ID Number: 23065477 PMID: PMC3557515).
  22. Coglianese EE, Qureshi MM, Vasani RS, Wang TJ, Moore LL. Usefulness of the blood hematocrit level to predict development of heart failure in a community. *Am J Cardiol*. Jan 15 2012;109(2):241-245. (PubMed ID Number: 21996141).
  23. Coviello AD, Haring R, Wellons M, Vaidya D, Lehtimaki T, Keildson S, Lunetta KL, He C, Fornage M, Lagou V, Mangino M, Onland-Moret NC, Chen B, Eriksson J, Garcia M, Liu YM, Koster A, Lohman K, Lyytikainen LP, Petersen AK, Prescott J, Stolk L, Vandenput L, Wood AR, Zhuang WV, Ruukonen A, Hartikainen AL, Pouta A, Bandinelli S, Biffar R, Brabant G, Cox DG, Chen Y, Cummings S, Ferrucci L, Gunter MJ, Hankinson SE, Martikainen H, Hofman A, Homuth G, Illig T, Jansson JO, Johnson AD, Karasik D, Karlsson M, Kettunen J, Kiel DP, Kraft P, Liu J, Ljunggren O, Lorentzon M, Maggio M, Markus MR, Mellstrom D, Miljkovic I, Mirel D, Nelson S, Morin Papunen L, Peeters PH, Prokopenko I, Raffel L, Reincke M, Reiner AP, Rexrode K, Rivadeneira F, Schwartz SM,

- Siscovick D, Soranzo N, Stockl D, Tworoger S, Uitterlinden AG, van Gils CH, Vasani RS, Wichmann HE, Zhai G, Bhasin S, Bidlingmaier M, Chanock SJ, De Vivo I, Harris TB, Hunter DJ, Kahonen M, Liu S, Ouyang P, Spector TD, van der Schouw YT, Viikari J, Wallaschofski H, McCarthy MI, Frayling TM, Murray A, Franks S, Jarvelin MR, de Jong FH, Raitakari O, Teumer A, Ohlsson C, Murabito JM, Perry JR. A genome-wide association meta-analysis of circulating sex hormone-binding globulin reveals multiple Loci implicated in sex steroid hormone regulation. *PLoS Genet.* 2012;8(7):e1002805. (PubMed ID Number: 22829776 PMID: PMC3400553).
24. Cusano NE, Kiel DP, Demissie S, Karasik D, Adrienne Cupples L, Corella D, Gao Q, Richardson K, Yiannakouris N, Ordovas JM. A Polymorphism in a gene encoding Perilipin 4 is associated with height but not with bone measures in individuals from the Framingham Osteoporosis Study. *Calcif Tissue Int.* Feb 2012;90(2):96-107. (PubMed ID Number: 22210160).
  25. D'Agostino RB, Sr. Cardiovascular risk estimation in 2012: lessons learned and applicability to the HIV population. *J Infect Dis.* Jun 2012;205 Suppl 3:S362-367. (PubMed ID Number: 22577209 PMID: PMC3349294).
  26. Dallmeier D, Larson MG, Vasani RS, Keaney JF, Jr., Fontes JD, Meigs JB, Fox CS, Benjamin EJ. Metabolic syndrome and inflammatory biomarkers: a community-based cross-sectional study at the Framingham Heart Study. *Diabetol Metab Syndr.* 2012;4(1):28. (PubMed ID Number: 22716219 PMID: PMC3547735).
  27. Dallmeier D, Larson MG, Wang N, Fontes JD, Benjamin EJ, Fox CS. Addition of inflammatory biomarkers did not improve diabetes prediction in the community: the framingham heart study. *J Am Heart Assoc.* Aug 2012;1(4):e000869. (PubMed ID Number: 23130155 PMID: PMC3487343).
  28. Dastani Z, Hivert MF, Timpson N, Perry JR, Yuan X, Scott RA, Henneman P, Heid IM, Kizer JR, Lyytikainen LP, Fuchsberger C, Tanaka T, Morris AP, Small K, Isaacs A, Beekman M, Coassin S, Lohman K, Qi L, Kanoni S, Pankow JS, Uh HW, Wu Y, Bidulescu A, Rasmussen-Torvik LJ, Greenwood CM, Ladouceur M, Grimsby J, Manning AK, Liu CT, Kooner J, Mooser VE, Vollenweider P, Kapur KA, Chambers J, Wareham NJ, Langenberg C, Frants R, Willems-Vandijk K, Oostra BA, Willems SM, Lamina C, Winkler TW, Psaty BM, Tracy RP, Brody J, Chen I, Viikari J, Kahonen M, Pramstaller PP, Evans DM, St Pourcain B, Sattar N, Wood AR, Bandinelli S, Carlson OD, Egan JM, Bohringer S, van Heemst D, Kedenko L, Kristiansson K, Nuotio ML, Loo BM, Harris T, Garcia M, Kanaya A, Haun M, Klopp N, Wichmann HE, Deloukas P, Katsareli E, Couper DJ, Duncan BB, Kloppenburg M, Adair LS, Borja JB, Wilson JG, Musani S, Guo X, Johnson T, Semple R, Teslovich TM, Allison MA, Redline S, Buxbaum SG, Mohlke KL, Meulenbelt I, Ballantyne CM, Dedoussis GV, Hu FB, Liu Y, Paulweber B, Spector TD, Slagboom PE, Ferrucci L, Jula A, Perola M, Raitakari O, Florez JC, Salomaa V, Eriksson JG, Frayling TM, Hicks AA, Lehtimäki T, Smith GD, Siscovick DS, Kronenberg F, van Duijn C, Loos RJ, Waterworth DM, Meigs JB, Dupuis J, Richards JB, Voight BF, Scott LJ, Steinthorsdottir V, Dina C, Welch RP, Zeggini E, Huth C, Aulchenko YS, Thorleifsson G, McCulloch LJ, Ferreira T, Grallert H, Amin N, Wu G, Willer CJ, Raychaudhuri S, McCarroll SA, Hofmann OM, Segre

AV, van Hoek M, Navarro P, Ardlie K, Balkau B, Benediktsson R, Bennett AJ, Blagieva R, Boerwinkle E, Bonnycastle LL, Bostrom KB, Bravenboer B, Bumpstead S, Burt NP, Charpentier G, Chines PS, Cornelis M, Crawford G, Doney AS, Elliott KS, Elliott AL, Erdos MR, Fox CS, Franklin CS, Ganser M, Gieger C, Grarup N, Green T, Griffin S, Groves CJ, Guiducci C, Hadjadj S, Hassanali N, Herder C, Isomaa B, Jackson AU, Johnson PR, Jorgensen T, Kao WH, Kong A, Kraft P, Kuusisto J, Lauritzen T, Li M, Lieverse A, Lindgren CM, Lyssenko V, Marre M, Meitinger T, Midthjell K, Morken MA, Narisu N, Nilsson P, Owen KR, Payne F, Petersen AK, Platou C, Proenca C, Prokopenko I, Rathmann W, Rayner NW, Robertson NR, Rocheleau G, Roden M, Sampson MJ, Saxena R, Shields BM, Shrader P, Sigurdsson G, Sparso T, Strassburger K, Stringham HM, Sun Q, Swift AJ, Thorand B, Tichet J, Tuomi T, van Dam RM, van Haeften TW, van Herpt T, van Vliet-Ostaptchouk JV, Walters GB, Weedon MN, Wijmenga C, Witteman J, Bergman RN, Cauchi S, Collins FS, Gloyn AL, Gyllensten U, Hansen T, Hide WA, Hitman GA, Hofman A, Hunter DJ, Hveem K, Laakso M, Morris AD, Palmer CN, Rudan I, Sijbrands E, Stein LD, Tuomilehto J, Uitterlinden A, Walker M, Watanabe RM, Abecasis GR, Boehm BO, Campbell H, Daly MJ, Hattersley AT, Pedersen O, Barroso I, Groop L, Sladek R, Thorsteinsdottir U, Wilson JF, Illig T, Froguel P, van Duijn CM, Stefansson K, Altshuler D, Boehnke M, McCarthy MI, Soranzo N, Wheeler E, Glazer NL, Bouatia-Naji N, Magi R, Randall J, Elliott P, Rybin D, Dehghan A, Hottenga JJ, Song K, Goel A, Lajunen T, Doney A, Cavalcanti-Proenca C, Kumari M, Timpson NJ, Zabena C, Ingelsson E, An P, O'Connell J, Luan J, Elliott A, Ruccasecca RM, Pattou F, Sethupathy P, Ariyurek Y, Barter P, Beilby JP, Ben-Shlomo Y, Bergmann S, Bochud M, Bonnefond A, Borch-Johnsen K, Bottcher Y, Brunner E, Bumpstead SJ, Chen YD, Chines P, Clarke R, Coin LJ, Cooper MN, Crisponi L, Day IN, de Geus EJ, Delplanque J, Fedson AC, Fischer-Rosinsky A, Forouhi NG, Franzosi MG, Galan P, Goodarzi MO, Graessler J, Grundy S, Gwilliam R, Hallmans G, Hammond N, Han X, Hartikainen AL, Hayward C, Heath SC, Hercberg S, Hillman DR, Hingorani AD, Hui J, Hung J, Kaakinen M, Kaprio J, Kesaniemi YA, Kivimaki M, Knight B, Koskinen S, Kovacs P, Kyvik KO, Lathrop GM, Lawlor DA, Le Bacquer O, Lecocour C, Li Y, Mahley R, Mangino M, Martinez-Larrad MT, McAteer JB, McPherson R, Meisinger C, Melzer D, Meyre D, Mitchell BD, Mukherjee S, Naitza S, Neville MJ, Orru M, Pakyz R, Paolisso G, Pattaro C, Pearson D, Peden JF, Pedersen NL, Pfeiffer AF, Pichler I, Polasek O, Posthuma D, Potter SC, Pouta A, Province MA, Rice K, Ripatti S, Rivadeneira F, Rolandsson O, Sandbaek A, Sandhu M, Sanna S, Sayer AA, Scheet P, Seedorf U, Sharp SJ, Shields B, Sigurethsson G, Sijbrands EJ, Silveira A, Simpson L, Singleton A, Smith NL, Sovio U, Swift A, Syddall H, Syvanen AC, Tonjes A, Uitterlinden AG, van Dijk KW, Varma D, Visvikis-Siest S, Vitart V, Vogelzangs N, Waeber G, Wagner PJ, Walley A, Ward KL, Watkins H, Wild SH, Willemssen G, Witteman JC, Yarnell JW, Zelenika D, Zethelius B, Zhai G, Zhao JH, Zillikens MC, Borecki IB, Meneton P, Magnusson PK, Nathan DM, Williams GH, Silander K, Bornstein SR, Schwarz P, Spranger J, Karpe F, Shuldiner AR, Cooper C, Serrano-Rios M, Lind L, Palmer LJ, Hu FBs, Franks PW, Ebrahim S, Marmot M, Wright AF, Stumvoll M, Hamsten A, Buchanan TA, Valle TT, Rotter JI, Penninx

- BW, Boomsma DI, Cao A, Scuteri A, Schlessinger D, Uda M, Ruukonen A, Jarvelin MR, Peltonen L, Mooser V, Musunuru K, Smith AV, Edmondson AC, Stylianou IM, Koseki M, Pirruccello JP, Chasman DI, Johansen CT, Fouchier SW, Peloso GM, Barbalic M, Ricketts SL, Bis JC, Feitosa MF, Orho-Melander M, Melander O, Li X, Cho YS, Go MJ, Kim YJ, Lee JY, Park T, Kim K, Sim X, Ong RT, Croteau-Chonka DC, Lange LA, Smith JD, Ziegler A, Zhang W, Zee RY, Whitfield JB, Thompson JR, Surakka I, Smit JH, Sinisalo J, Scott J, Saharinen J, Sabatti C, Rose LM, Roberts R, Rieder M, Parker AN, Pare G, O'Donnell CJ, Nieminen MS, Nickerson DA, Montgomery GW, McArdle W, Masson D, Martin NG, Marroni F, Lucas G, Luben R, Lokki ML, Lettre G, Launer LJ, Lakatta EG, Laaksonen R, König IR, Khaw KT, Kaplan LM, Johansson A, Janssens AC, Igl W, Hovingh GK, Hengstenberg C, Havulinna AS, Hastie ND, Harris TB, Haritunians T, Hall AS, Groop LC, Gonzalez E, Freimer NB, Erdmann J, Ejebe KG, Doring A, Dominiczak AF, Demissie S, de Faire U, Caulfield MJ, Boekholdt SM, Assimes TL, Quertermous T, Seielstad M, Wong TY, Tai ES, Feranil AB, Kuzawa CW, Taylor HA, Jr., Gabriel SB, Holm H, Gudnason V, Krauss RM, Ordovas JM, Munroe PB, Kooner JS, Tall AR, Hegele RA, Kastelein JJ, Schadt EE, Strachan DP, Reilly MP, Samani NJ, Schunkert H, Cupples LA, Sandhu MS, Ridker PM, Rader DJ, Kathiresan S. Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals. *PLoS Genet.* 2012;8(3):e1002607. (PubMed ID Number: 22479202 PMID: PMC3315470).
29. de las Fuentes L, Yang W, Davila-Roman VG, Gu C. Pathway-based genome-wide association analysis of coronary heart disease identifies biologically important gene sets. *Eur J Hum Genet.* Nov 2012;20(11):1168-1173. (PubMed ID Number: 22510845 PMID: PMC3477866).
30. Demler OV, Pencina MJ, D'Agostino RB, Sr. Misuse of DeLong test to compare AUCs for nested models. *Stat Med.* Oct 15 2012;31(23):2577-2587. (PubMed ID Number: 22415937).
31. Dhingra R, Vasani RS. Diabetes and the risk of heart failure. *Heart Fail Clin.* Jan 2012;8(1):125-133. (PubMed ID Number: 22108732 PMID: PMC3223386).
32. Dhingra R, Vasani RS. Age as a risk factor. *Med Clin North Am.* Jan 2012;96(1):87-91. (PubMed ID Number: 22391253 PMID: PMC3297980).
33. Driver JA, Beiser A, Au R, Kreger BE, Splansky GL, Kurth T, Kiel DP, Lu KP, Seshadri S, Wolf PA. Inverse association between cancer and Alzheimer's disease: results from the Framingham Heart Study. *BMJ.* 2012;344:e1442. (PubMed ID Number: 22411920).
34. Dufour AB, Roberts B, Broe KE, Kiel DP, Buxsein ML, Hannan MT. The factor-of-risk biomechanical approach predicts hip fracture in men and women: the Framingham Study. *Osteoporos Int.* Feb 2012;23(2):513-520. (PubMed ID Number: 21344243 PMID: PMC3289518).
35. Ellinor PT, Lunetta KL, Albert CM, Glazer NL, Ritchie MD, Smith AV, Arking DE, Muller-Nurasyid M, Krijthe BP, Lubitz SA, Bis JC, Chung MK, Dorr M, Ozaki K, Roberts JD, Smith JG, Pfeufer A, Sinner MF, Lohman K, Ding J, Smith NL, Smith JD, Rienstra M, Rice KM, Van Wagener DR, Magnani JW, Wakili R, Clauss S, Rotter JI, Steinbeck G, Launer LJ, Davies RW, Borkovich M, Harris TB, Lin H,

- Volker U, Volzke H, Milan DJ, Hofman A, Boerwinkle E, Chen LY, Soliman EZ, Voight BF, Li G, Chakravarti A, Kubo M, Tedrow UB, Rose LM, Ridker PM, Conen D, Tsunoda T, Furukawa T, Sotoodehnia N, Xu S, Kamatani N, Levy D, Nakamura Y, Parvez B, Mahida S, Furie KL, Rosand J, Muhammad R, Psaty BM, Meitinger T, Perz S, Wichmann HE, Witteman JC, Kao WH, Kathiresan S, Roden DM, Uitterlinden AG, Rivadeneira F, McKnight B, Sjogren M, Newman AB, Liu Y, Gollob MH, Melander O, Tanaka T, Stricker BH, Felix SB, Alonso A, Darbar D, Barnard J, Chasman DI, Heckbert SR, Benjamin EJ, Gudnason V, Kaab S. Meta-analysis identifies six new susceptibility loci for atrial fibrillation. *Nat Genet.* Jun 2012;44(6):670-675. (PubMed ID Number: 22544366 PMID: PMC3366038).
36. Ellis JW, Chen MH, Foster MC, Liu CT, Larson MG, de Boer I, Kottgen A, Parsa A, Bochud M, Boger CA, Kao L, Fox CS, O'Seaghdha CM. Validated SNPs for eGFR and their associations with albuminuria. *Hum Mol Genet.* Jul 15 2012;21(14):3293-3298. (PubMed ID Number: 22492995 PMID: PMC3491918).
37. Estrada K, Stykarsdottir U, Evangelou E, Hsu YH, Duncan EL, Ntzani EE, Oei L, Albagha OM, Amin N, Kemp JP, Koller DL, Li G, Liu CT, Minster RL, Moayyeri A, Vandenput L, Willner D, Xiao SM, Yerges-Armstrong LM, Zheng HF, Alonso N, Eriksson J, Kammerer CM, Kaptoge SK, Leo PJ, Thorleifsson G, Wilson SG, Wilson JF, Aalto V, Alen M, Aragaki AK, Aspelund T, Center JR, Dailiana Z, Duggan DJ, Garcia M, Garcia-Giralt N, Giroux S, Hallmans G, Hocking LJ, Husted LB, Jameson KA, Khusainova R, Kim GS, Kooperberg C, Koromila T, Kruk M, Laaksonen M, Lacroix AZ, Lee SH, Leung PC, Lewis JR, Masi L, Mencej-Bedrac S, Nguyen TV, Noguez X, Patel MS, Prezelj J, Rose LM, Scollen S, Siggeirsdottir K, Smith AV, Svensson O, Trompet S, Trummer O, van Schoor NM, Woo J, Zhu K, Balcells S, Brandi ML, Buckley BM, Cheng S, Christiansen C, Cooper C, Dedoussis G, Ford I, Frost M, Goltzman D, Gonzalez-Macias J, Kahonen M, Karlsson M, Khusnutdinova E, Koh JM, Kollia P, Langdahl BL, Leslie WD, Lips P, Ljunggren O, Lorenc RS, Marc J, Mellstrom D, Obermayer-Pietsch B, Olmos JM, Pettersson-Kymmer U, Reid DM, Riancho JA, Ridker PM, Rousseau F, Slagboom PE, Tang NL, Urreizti R, Van Hul W, Viikari J, Zarrabeitia MT, Aulchenko YS, Castano-Betancourt M, Grundberg E, Herrera L, Ingvarsson T, Johannsdottir H, Kwan T, Li R, Luben R, Medina-Gomez C, Palsson ST, Reppe S, Rotter JI, Sigurdsson G, van Meurs JB, Verlaan D, Williams FM, Wood AR, Zhou Y, Gautvik KM, Pastinen T, Raychaudhuri S, Cauley JA, Chasman DI, Clark GR, Cummings SR, Danoy P, Dennison EM, Eastell R, Eisman JA, Gudnason V, Hofman A, Jackson RD, Jones G, Jukema JW, Khaw KT, Lehtimaki T, Liu Y, Lorentzon M, McCloskey E, Mitchell BD, Nandakumar K, Nicholson GC, Oostra BA, Peacock M, Pols HA, Prince RL, Raitakari O, Reid IR, Robbins J, Sambrook PN, Sham PC, Shuldiner AR, Tyllavsky FA, van Duijn CM, Wareham NJ, Cupples LA, Econs MJ, Evans DM, Harris TB, Kung AW, Psaty BM, Reeve J, Spector TD, Streeten EA, Zillikens MC, Thorsteinsdottir U, Ohlsson C, Karasik D, Richards JB, Brown MA, Stefansson K, Uitterlinden AG, Ralston SH, Ioannidis JP, Kiel DP, Rivadeneira F. Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. *Nat Genet.* May 2012;44(5):491-501. (PubMed ID

- Number: 22504420 PMID: PMC3338864).
38. Farina EK, Kiel DP, Roubenoff R, Schaefer EJ, Cupples LA, Tucker KL. Plasma phosphatidylcholine concentrations of polyunsaturated fatty acids are differentially associated with hip bone mineral density and hip fracture in older adults: the Framingham Osteoporosis Study. *J Bone Miner Res.* May 2012;27(5):1222-1230. (PubMed ID Number: 22392875 PMID: PMC3565380).
  39. Fedorowski A, Franceschini N, Brody J, Liu C, Verwoert GC, Boerwinkle E, Couper D, Rice KM, Rotter JI, Mattace-Raso F, Uitterlinden A, Hofman A, Almgren P, Sjogren M, Hedblad B, Larson MG, Newton-Cheh C, Wang TJ, Rose KM, Psaty BM, Levy D, Witteman J, Melander O. Orthostatic hypotension and novel blood pressure-associated gene variants: Genetics of Postural Hemodynamics (GPH) Consortium. *Eur Heart J.* Sep 2012;33(18):2331-2341. (PubMed ID Number: 22504314 PMID: PMC3442958).
  40. Fontes JD, Lyass A, Massaro JM, Rienstra M, Dallmeier D, Schnabel RB, Wang TJ, Vasan RS, Lubitz SA, Magnani JW, Levy D, Ellinor PT, Fox CS, Benjamin EJ. Insulin resistance and atrial fibrillation (from the Framingham Heart Study). *Am J Cardiol.* Jan 1 2012;109(1):87-90. (PubMed ID Number: 21996140 PMID: PMC3242834).
  41. Fox CS, Liu Y, White CC, Feitosa M, Smith AV, Heard-Costa N, Lohman K, Johnson AD, Foster MC, Greenawalt DM, Griffin P, Ding J, Newman AB, Tyavsky F, Miljkovic I, Kritchevsky SB, Launer L, Garcia M, Eiriksdottir G, Carr JJ, Gudnason V, Harris TB, Cupples LA, Borecki IB. Genome-wide association for abdominal subcutaneous and visceral adipose reveals a novel locus for visceral fat in women. *PLoS Genet.* 2012;8(5):e1002695. (PubMed ID Number: 22589738 PMID: PMC3349734).
  42. Fox CS, Matsushita K, Woodward M, Bilo HJ, Chalmers J, Heerspink HJ, Lee BJ, Perkins RM, Rossing P, Sairenchi T, Tonelli M, Vassalotti JA, Yamagishi K, Coresh J, de Jong PE, Wen CP, Nelson RG. Associations of kidney disease measures with mortality and end-stage renal disease in individuals with and without diabetes: a meta-analysis. *Lancet.* Nov 10 2012;380(9854):1662-1673. (PubMed ID Number: 23013602).
  43. Fox CS, White CC, Lohman K, Heard-Costa N, Cohen P, Zhang Y, Johnson AD, Emilsson V, Liu CT, Chen YD, Taylor KD, Allison M, Budoff M, Rotter JI, Carr JJ, Hoffmann U, Ding J, Cupples LA, Liu Y. Genome-wide association of pericardial fat identifies a unique locus for ectopic fat. *PLoS Genet.* 2012;8(5):e1002705. (PubMed ID Number: 22589742 PMID: PMC3349742).
  44. Grallert H, Dupuis J, Bis JC, Dehghan A, Barbalic M, Baumert J, Lu C, Smith NL, Uitterlinden AG, Roberts R, Khuseyinova N, Schnabel RB, Rice KM, Rivadeneira F, Hoogeveen RC, Fontes JD, Meisinger C, Keane JF, Jr., Lemaitre R, Aulchenko YS, Vasan RS, Ellis S, Hazen SL, van Duijn CM, Nelson JJ, Marz W, Schunkert H, McPherson RM, Stirnadel-Farrant HA, Psaty BM, Gieger C, Siscovick D, Hofman A, Illig T, Cushman M, Yamamoto JF, Rotter JI, Larson MG, Stewart AF, Boerwinkle E, Witteman JC, Tracy RP, Koenig W, Benjamin EJ, Ballantyne CM. Eight genetic loci associated with variation in lipoprotein-associated phospholipase A2 mass and activity and coronary heart disease: meta-analysis of genome-wide association studies from five

- community-based studies. *Eur Heart J*. Jan 2012;33(2):238-251. (PubMed ID Number: 22003152 PMID: PMC3258449).
45. Hameed F, Hunter DJ, Rainville J, Li L, Suri P. Prevalence of anatomic impediments to interlaminar lumbar epidural steroid injection. *Arch Phys Med Rehabil*. Feb 2012;93(2):339-343. (PubMed ID Number: 22289247 PMID: PMC3567928).
  46. Haring R, Xanthakis V, Coviello A, Sullivan L, Bhasin S, Wallaschofski H, Murabito JM, Vasani RS. Clinical correlates of sex steroids and gonadotropins in men over the late adulthood: the Framingham Heart Study. *Int J Androl*. Dec 2012;35(6):775-782. (PubMed ID Number: 22640232 PMID: PMC3434249).
  47. Harris WS, Pottala JV, Lacey SM, Vasani RS, Larson MG, Robins SJ. Clinical correlates and heritability of erythrocyte eicosapentaenoic and docosahexaenoic acid content in the Framingham Heart Study. *Atherosclerosis*. Dec 2012;225(2):425-431. (PubMed ID Number: 22727409).
  48. Harris WS, Pottala JV, Vasani RS, Larson MG, Robins SJ. Changes in erythrocyte membrane trans and marine fatty acids between 1999 and 2006 in older Americans. *J Nutr*. Jul 2012;142(7):1297-1303. (PubMed ID Number: 22623386 PMID: PMC3374668).
  49. He C, Chasman DI, Dreyfus J, Hwang SJ, Rutter R, Sanna S, Buring JE, Fernandez-Rhodes L, Franceschini N, Hankinson SE, Hofman A, Lunetta KL, Palmieri G, Porcu E, Rivadeneira F, Rose LM, Splansky GL, Stolk L, Uitterlinden AG, Chanock SJ, Crisponi L, Demerath EW, Murabito JM, Ridker PM, Stricker BH, Hunter DJ. Reproductive aging-associated common genetic variants and the risk of breast cancer. *Breast Cancer Res*. 2012;14(2):R54. (PubMed ID Number: 22433456 PMID: PMC3446388).
  50. Ho JE, Liu C, Lyass A, Courchesne P, Pencina MJ, Vasani RS, Larson MG, Levy D. Galectin-3, a marker of cardiac fibrosis, predicts incident heart failure in the community. *J Am Coll Cardiol*. Oct 2 2012;60(14):1249-1256. (PubMed ID Number: 22939561 PMID: PMC3512095).
  51. Ikram MA, Fornage M, Smith AV, Seshadri S, Schmidt R, Debette S, Vrooman HA, Sigurdsson S, Ropele S, Taal HR, Mook-Kanamori DO, Coker LH, Longstreth WT, Jr., Niessen WJ, DeStefano AL, Beiser A, Zijdenbos AP, Struchalin M, Jack CR, Jr., Rivadeneira F, Uitterlinden AG, Knopman DS, Hartikainen AL, Pennell CE, Thiering E, Steegers EA, Hakonarson H, Heinrich J, Palmer LJ, Jarvelin MR, McCarthy MI, Grant SF, St Pourcain B, Timpson NJ, Smith GD, Sovio U, Nalls MA, Au R, Hofman A, Gudnason H, van der Lugt A, Harris TB, Meeks WM, Vernooij MW, van Buchem MA, Catellier D, Jaddoe VW, Gudnason V, Windham BG, Wolf PA, van Duijn CM, Mosley TH, Jr., Schmidt H, Launer LJ, Breteler MM, DeCarli C. Common variants at 6q22 and 17q21 are associated with intracranial volume. *Nat Genet*. May 2012;44(5):539-544. (PubMed ID Number: 22504418).
  52. Joehanes R, Johnson AD, Barb JJ, Raghavachari N, Liu P, Woodhouse KA, O'Donnell CJ, Munson PJ, Levy D. Gene expression analysis of whole blood, peripheral blood mononuclear cells, and lymphoblastoid cell lines from the Framingham Heart Study. *Physiol Genomics*. Jan 18 2012;44(1):59-75. (PubMed ID Number: 22045913 PMID: PMC3289123).

53. Jun G, Moncaster JA, Koutras C, Seshadri S, Buross J, McKee AC, Levesque G, Wolf PA, St George-Hyslop P, Goldstein LE, Farrer LA. delta-Catenin is genetically and biologically associated with cortical cataract and future Alzheimer-related structural and functional brain changes. *PLoS One*. 2012;7(9):e43728. (PubMed ID Number: 22984439 PMID: PMC3439481).
54. Kaess BM, Enserro DM, McManus DD, Xanthakis V, Chen MH, Sullivan LM, Ingram C, O'Donnell CJ, Keaney JF, Vasani RS, Glazer NL. Cardiometabolic correlates and heritability of fetuin-A, retinol-binding protein 4, and fatty-acid binding protein 4 in the Framingham Heart Study. *J Clin Endocrinol Metab*. Oct 2012;97(10):E1943-1947. (PubMed ID Number: 22855337).
55. Kaess BM, Pedley A, Massaro JM, Larson MG, Corsini E, Hoffmann U, Smith HM, Sawyer DB, Vasani RS, Fox CS. Relation of vascular growth factors with CT-derived measures of body fat distribution: the Framingham Heart Study. *J Clin Endocrinol Metab*. Mar 2012;97(3):987-994. (PubMed ID Number: 22170711 PMID: PMC3319207).
56. Kaess BM, Pedley A, Massaro JM, Murabito J, Hoffmann U, Fox CS. The ratio of visceral to subcutaneous fat, a metric of body fat distribution, is a unique correlate of cardiometabolic risk. *Diabetologia*. Oct 2012;55(10):2622-2630. (PubMed ID Number: 22898763).
57. Kaess BM, Rong J, Larson MG, Hamburg NM, Vita JA, Levy D, Benjamin EJ, Vasani RS, Mitchell GF. Aortic stiffness, blood pressure progression, and incident hypertension. *JAMA*. Sep 5 2012;308(9):875-881. (PubMed ID Number: 22948697).
58. Karasik D, Cheung CL, Zhou Y, Cupples LA, Kiel DP, Demissie S. Genome-wide association of an integrated osteoporosis-related phenotype: is there evidence for pleiotropic genes? *J Bone Miner Res*. Feb 2012;27(2):319-330. (PubMed ID Number: 22072498 PMID: PMC3290743).
59. Kimokoti RW, Gona P, Zhu L, Newby PK, Millen BE, Brown LS, D'Agostino RB, Fung TT. Dietary patterns of women are associated with incident abdominal obesity but not metabolic syndrome. *J Nutr*. Sep 2012;142(9):1720-1727. (PubMed ID Number: 22833658 PMID: PMC3417833).
60. Kimokoti RW, Newby PK, Gona P, Zhu L, Campbell WR, D'Agostino RB, Millen BE. Stability of the Framingham Nutritional Risk Score and its component nutrients over 8 years: the Framingham Nutrition Studies. *Eur J Clin Nutr*. Mar 2012;66(3):336-344. (PubMed ID Number: 21970940).
61. Kottgen A, Yang Q, Shimmin LC, Tin A, Schaeffer C, Coresh J, Liu X, Rampoldi L, Hwang SJ, Boerwinkle E, Hixson JE, Kao WH, Fox CS. Association of estimated glomerular filtration rate and urinary uromodulin concentrations with rare variants identified by UMOD gene region sequencing. *PLoS One*. 2012;7(5):e38311. (PubMed ID Number: 22693617 PMID: PMC3365030).
62. Li J, Guo YF, Pei Y, Deng HW. The impact of imputation on meta-analysis of genome-wide association studies. *PLoS One*. 2012;7(4):e34486. (PubMed ID Number: 22496814 PMID: PMC3320624).
63. Liu C, Yang Q, Hwang SJ, Sun F, Johnson AD, Shirihaei OS, Vasani RS, Levy D, Schwartz F. Association of genetic variation in the mitochondrial genome with blood pressure and metabolic traits. *Hypertension*. Oct 2012;60(4):949-956.

- (PubMed ID Number: 22949535).
64. Liu CT, Estrada K, Yerges-Armstrong LM, Amin N, Evangelou E, Li G, Minster RL, Carless MA, Kammerer CM, Oei L, Zhou Y, Alonso N, Dailiana Z, Eriksson J, Garcia-Giralt N, Giroux S, Husted LB, Khusainova RI, Koromila T, Kung AW, Lewis JR, Masi L, Mencej-Bedrac S, Nogues X, Patel MS, Prezelj J, Richards JB, Sham PC, Spector T, Vandenput L, Xiao SM, Zheng HF, Zhu K, Balcells S, Brandi ML, Frost M, Goltzman D, Gonzalez-Macias J, Karlsson M, Khusnutdinova EK, Kollia P, Langdahl BL, Ljunggren O, Lorentzon M, Marc J, Mellstrom D, Ohlsson C, Olmos JM, Ralston SH, Riancho JA, Rousseau F, Urreizti R, Van Hul W, Zarrabeitia MT, Castano-Betancourt M, Demissie S, Grundberg E, Herrera L, Kwan T, Medina-Gomez C, Pastinen T, Sigurdsson G, Thorleifsson G, Vanmeurs JB, Blangero J, Hofman A, Liu Y, Mitchell BD, O'Connell JR, Oostra BA, Rotter JI, Stefansson K, Streeten EA, Styrkarsdottir U, Thorsteinsdottir U, Tylavsky FA, Uitterlinden A, Cauley JA, Harris TB, Ioannidis JP, Psaty BM, Robbins JA, Zillikens MC, Vanduijn CM, Prince RL, Karasik D, Rivadeneira F, Kiel DP, Cupples LA, Hsu YH. Assessment of gene-by-sex interaction effect on bone mineral density. *J Bone Miner Res.* Oct 2012;27(10):2051-2064. (PubMed ID Number: 22692763 PMID: PMC3447125).
  65. Lluís-Ganella C, Subirana I, Lucas G, Tomas M, Munoz D, Senti M, Salas E, Sala J, Ramos R, Ordovas JM, Marrugat J, Elosua R. Assessment of the value of a genetic risk score in improving the estimation of coronary risk. *Atherosclerosis.* Jun 2012;222(2):456-463. (PubMed ID Number: 22521901).
  66. Magnani JW, Moser CB, Murabito JM, Nelson KP, Fontes JD, Lubitz SA, Sullivan LM, Ellinor PT, Benjamin EJ. Age of natural menopause and atrial fibrillation: the Framingham Heart Study. *Am Heart J.* Apr 2012;163(4):729-734. (PubMed ID Number: 22520541 PMID: PMC3334861).
  67. Magnani JW, Newton-Cheh C, O'Donnell CJ, Levy D. Development and application of a longitudinal electrocardiogram repository: the Framingham Heart Study. *J Electrocardiol.* Nov-Dec 2012;45(6):673-676. (PubMed ID Number: 22832152 PMID: PMC3483375).
  68. Maillard P, Seshadri S, Beiser A, Himali JJ, Au R, Fletcher E, Carmichael O, Wolf PA, DeCarli C. Effects of systolic blood pressure on white-matter integrity in young adults in the Framingham Heart Study: a cross-sectional study. *Lancet Neurol.* Dec 2012;11(12):1039-1047. (PubMed ID Number: 23122892 PMID: PMC3510663).
  69. Manning AK, Hivert MF, Scott RA, Grimsby JL, Bouatia-Naji N, Chen H, Rybin D, Liu CT, Bielak LF, Prokopenko I, Amin N, Barnes D, Cadby G, Hottenga JJ, Ingelsson E, Jackson AU, Johnson T, Kanoni S, Ladenvall C, Lagou V, Lahti J, Lecoeur C, Liu Y, Martinez-Larrad MT, Montasser ME, Navarro P, Perry JR, Rasmussen-Torvik LJ, Salo P, Sattar N, Shungin D, Strawbridge RJ, Tanaka T, van Duijn CM, An P, de Andrade M, Andrews JS, Aspelund T, Atalay M, Aulchenko Y, Balkau B, Bandinelli S, Beckmann JS, Beilby JP, Bellis C, Bergman RN, Blangero J, Boban M, Boehnke M, Boerwinkle E, Bonnycastle LL, Boomsma DI, Borecki IB, Bottcher Y, Bouchard C, Brunner E, Budimir D, Campbell H, Carlson O, Chines PS, Clarke R, Collins FS, Corbaton-Anchuelo A, Couper D, de Faire U, Dedoussis GV, Deloukas P, Dimitriou M, Egan JM,

- Eiriksdottir G, Erdos MR, Eriksson JG, Eury E, Ferrucci L, Ford I, Forouhi NG, Fox CS, Franzosi MG, Franks PW, Frayling TM, Froguel P, Galan P, de Geus E, Gigante B, Glazer NL, Goel A, Groop L, Gudnason V, Hallmans G, Hamsten A, Hansson O, Harris TB, Hayward C, Heath S, Hercberg S, Hicks AA, Hingorani A, Hofman A, Hui J, Hung J, Jarvelin MR, Jhun MA, Johnson PC, Jukema JW, Jula A, Kao WH, Kaprio J, Kardia SL, Keinanen-Kiukaanniemi S, Kivimaki M, Kolcic I, Kovacs P, Kumari M, Kuusisto J, Kyvik KO, Laakso M, Lakka T, Lannfelt L, Lathrop GM, Launer LJ, Leander K, Li G, Lind L, Lindstrom J, Lobbens S, Loos RJ, Luan J, Lyssenko V, Magi R, Magnusson PK, Marmot M, Meneton P, Mohlke KL, Mooser V, Morken MA, Miljkovic I, Narisu N, O'Connell J, Ong KK, Oostra BA, Palmer LJ, Palotie A, Pankow JS, Peden JF, Pedersen NL, Pehlic M, Peltonen L, Penninx B, Pericic M, Perola M, Perusse L, Peyser PA, Polasek O, Pramstaller PP, Province MA, Raikonen K, Rauramaa R, Rehnberg E, Rice K, Rotter JI, Rudan I, Ruukonen A, Saaristo T, Sabater-Lleal M, Salomaa V, Savage DB, Saxena R, Schwarz P, Seedorf U, Sennblad B, Serrano-Rios M, Shuldiner AR, Sijbrands EJ, Siscovick DS, Smit JH, Small KS, Smith NL, Smith AV, Stancakova A, Stirrups K, Stumvoll M, Sun YV, Swift AJ, Tonjes A, Tuomilehto J, Trompet S, Uitterlinden AG, Uusitupa M, Vikstrom M, Vitart V, Vohl MC, Voight BF, Vollenweider P, Waeber G, Waterworth DM, Watkins H, Wheeler E, Widen E, Wild SH, Willems SM, Willemsen G, Wilson JF, Witteman JC, Wright AF, Yaghoobkar H, Zelenika D, Zemunik T, Zgaga L, Wareham NJ, McCarthy MI, Barroso I, Watanabe RM, Florez JC, Dupuis J, Meigs JB, Langenberg C. A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. *Nat Genet.* Jun 2012;44(6):659-669. (PubMed ID Number: 22581228).
70. Marjamaa A, Oikarinen L, Porthan K, Ripatti S, Peloso G, Noseworthy PA, Viitasalo M, Nieminen MS, Toivonen L, Kontula K, Peltonen L, Havulinna AS, Jula A, O'Donnell CJ, Newton-Cheh C, Perola M, Salomaa V. A common variant near the KCNJ2 gene is associated with T-peak to T-end interval. *Heart Rhythm.* Jul 2012;9(7):1099-1103. (PubMed ID Number: 22342860).
71. McManus DD, Lyass A, Ingelsson E, Massaro JM, Meigs JB, Aragam J, Benjamin EJ, Vasan RS. Relations of circulating resistin and adiponectin and cardiac structure and function: the Framingham Offspring Study. *Obesity (Silver Spring).* Sep 2012;20(9):1882-1886. (PubMed ID Number: 21350435).
72. Mitchell GF, Verwoert GC, Tarasov KV, Isaacs A, Smith AV, Yasmin, Rietzschel ER, Tanaka T, Liu Y, Parsa A, Najjar SS, O'Shaughnessy KM, Sigurdsson S, De Buyzere ML, Larson MG, Sie MP, Andrews JS, Post WS, Mattace-Raso FU, McEniery CM, Eiriksdottir G, Segers P, Vasan RS, van Rijn MJ, Howard TD, McArdle PF, Dehghan A, Jewell ES, Newhouse SJ, Bekaert S, Hamburg NM, Newman AB, Hofman A, Scuteri A, De Bacquer D, Ikram MA, Psaty BM, Fuchsberger C, Olden M, Wain LV, Elliott P, Smith NL, Felix JF, Erdmann J, Vita JA, Sutton-Tyrrell K, Sijbrands EJ, Sanna S, Launer LJ, De Meyer T, Johnson AD, Schut AF, Herrington DM, Rivadeneira F, Uda M, Wilkinson IB, Aspelund T, Gillebert TC, Van Bortel L, Benjamin EJ, Oostra BA, Ding J, Gibson Q, Uitterlinden AG, Abecasis GR, Cockcroft JR, Gudnason V, De Backer GG, Ferrucci L, Harris TB, Shuldiner AR, van Duijn CM, Levy D, Lakatta EG,

- Witteman JC. Common genetic variation in the 3'-BCL11B gene desert is associated with carotid-femoral pulse wave velocity and excess cardiovascular disease risk: the AortaGen Consortium. *Circ Cardiovasc Genet*. Feb 1 2012;5(1):81-90. (PubMed ID Number: 22068335 PMID: PMC3288392).
73. Murabito JM, White CC, Kavousi M, Sun YV, 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, Dorr 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, Kiemeneys 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, Munzel T, Newman AB, Oostra BA, Rudan I, Shuldiner AR, Snieder H, van Duijn CM, Volker 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*. Feb 1 2012;5(1):100-112. (PubMed ID Number: 22199011 PMID: PMC3303225).
74. Musunuru K, Romaine SP, Lettre G, Wilson JG, Volcik KA, Tsai MY, Taylor HA, Jr., Schreiner PJ, Rotter JI, Rich SS, Redline S, Psaty BM, Papanicolaou GJ, Ordovas JM, Liu K, Krauss RM, Glazer NL, Gabriel SB, Fornage M, Cupples LA, Buxbaum SG, Boerwinkle E, Ballantyne CM, Kathiresan S, Rader DJ. Multi-ethnic analysis of lipid-associated loci: the NHLBI CARE project. *PLoS One*. 2012;7(5):e36473. (PubMed ID Number: 22629316 PMID: PMC3357427).
75. Noseworthy PA, Peloso GM, Hwang SJ, Larson MG, Levy D, O'Donnell CJ, Newton-Cheh C. QT interval and long-term mortality risk in the Framingham Heart Study. *Ann Noninvasive Electrocardiol*. Oct 2012;17(4):340-348. (PubMed ID Number: 23094880 PMID: PMC3481183).
76. O'Seaghdha CM, Hwang SJ, Holden R, Booth SL, Fox CS. Phylloquinone and vitamin D status: associations with incident chronic kidney disease in the Framingham Offspring cohort. *Am J Nephrol*. 2012;36(1):68-77. (PubMed ID Number: 22722822 PMID: PMC3435876).
77. O'Seaghdha CM, Hwang SJ, Vasan RS, Larson MG, Hoffmann U, Wang TJ, Fox CS. Correlation of renin angiotensin and aldosterone system activity with subcutaneous and visceral adiposity: the framingham heart study. *BMC Endocr Disord*. 2012;12:3. (PubMed ID Number: 22475205 PMID: PMC3352034).

78. O'Seaghdha CM, Lyass A, Massaro JM, Meigs JB, Coresh J, D'Agostino RB, Sr., Astor BC, Fox CS. A risk score for chronic kidney disease in the general population. *Am J Med.* Mar 2012;125(3):270-277. (PubMed ID Number: 22340925 PMID: PMC3285426).
79. O'Seaghdha CM, Yang Q, Wu H, Hwang SJ, Fox CS. Performance of a genetic risk score for CKD stage 3 in the general population. *Am J Kidney Dis.* Jan 2012;59(1):19-24. (PubMed ID Number: 21995970 PMID: PMC3242901).
80. Pattaro C, Kottgen A, Teumer A, Garnaas M, Boger CA, Fuchsberger C, Olden M, Chen MH, Tin A, Taliun D, Li M, Gao X, Gorski M, Yang Q, Hundertmark C, Foster MC, O'Seaghdha CM, Glazer N, Isaacs A, Liu CT, Smith AV, O'Connell JR, Struchalin M, Tanaka T, Li G, Johnson AD, Gierman HJ, Feitosa M, Hwang SJ, Atkinson EJ, Lohman K, Cornelis MC, Johansson A, Tonjes A, Dehghan A, Chouraki V, Holliday EG, Sorice R, Kutalik Z, Lehtimäki T, Esko T, Deshmukh H, Ulivi S, Chu AY, Murgia F, Trompet S, Imboden M, Kollerits B, Pistis G, Harris TB, Launer LJ, Aspelund T, Eiriksdottir G, Mitchell BD, Boerwinkle E, Schmidt H, Cavalieri M, Rao M, Hu FB, Demirkan A, Oostra BA, de Andrade M, Turner ST, Ding J, Andrews JS, Freedman BI, Koenig W, Illig T, Doring A, Wichmann HE, Kolcic I, Zemunik T, Boban M, Minelli C, Wheeler HE, Igl W, Zaboli G, Wild SH, Wright AF, Campbell H, Ellinghaus D, Nothlings U, Jacobs G, Biffar R, Endlich K, Ernst F, Homuth G, Kroemer HK, Nauck M, Stracke S, Volker U, Volzke H, Kovacs P, Stumvoll M, Magi R, Hofman A, Uitterlinden AG, Rivadeneira F, Aulchenko YS, Polasek O, Hastie N, Vitart V, Helmer C, Wang JJ, Ruggiero D, Bergmann S, Kahonen M, Viikari J, Nikopensius T, Province M, Ketkar S, Colhoun H, Doney A, Robino A, Giulianini F, Kramer BK, Portas L, Ford I, Buckley BM, Adam M, Thun GA, Paulweber B, Haun M, Sala C, Metzger M, Mitchell P, Ciullo M, Kim SK, Vollenweider P, Raitakari O, Metspalu A, Palmer C, Gasparini P, Pirastu M, Jukema JW, Probst-Hensch NM, Kronenberg F, Toniolo D, Gudnason V, Shuldiner AR, Coresh J, Schmidt R, Ferrucci L, Siscovick DS, van Duijn CM, Borecki I, Kardia SL, Liu Y, Curhan GC, Rudan I, Gyllenstein U, Wilson JF, Franke A, Pramstaller PP, Rettig R, Prokopenko I, Witteman JC, Hayward C, Ridker P, Parsa A, Bochud M, Heid IM, Goessling W, Chasman DI, Kao WH, Fox CS. Genome-wide association and functional follow-up reveals new loci for kidney function. *PLoS Genet.* 2012;8(3):e1002584. (PubMed ID Number: 22479191 PMID: PMC3315455).
81. Pencina MJ, D'Agostino RB, Sr., Demler OV. Novel metrics for evaluating improvement in discrimination: net reclassification and integrated discrimination improvement for normal variables and nested models. *Stat Med.* Jan 30 2012;31(2):101-113. (PubMed ID Number: 22147389 PMID: PMC3341978).
82. Pencina MJ, D'Agostino RB, Demler OV, Janssens AC, Greenland P. Pencina et al. respond to "The incremental value of new markers" and "Clinically relevant measures? A note of caution". *Am J Epidemiol.* Sep 15 2012;176(6):492-494. (PubMed ID Number: 22875757 PMID: PMC3530352).
83. Pencina MJ, D'Agostino RB, Massaro JM. Understanding increments in model performance metrics. *Lifetime Data Anal.* Dec 16 2012. (PubMed ID Number: 23242535).
84. Pencina MJ, D'Agostino RB, Pencina KM, Janssens AC, Greenland P.

- Interpreting incremental value of markers added to risk prediction models. *Am J Epidemiol.* Sep 15 2012;176(6):473-481. (PubMed ID Number: 22875755 PMID: PMC3530349).
85. Pencina MJ, D'Agostino RB, Sr., Song L. Quantifying discrimination of Framingham risk functions with different survival C statistics. *Stat Med.* Jul 10 2012;31(15):1543-1553. (PubMed ID Number: 22344892).
86. Perry JR, Voight BF, Yengo L, Amin N, Dupuis J, Ganser M, Grallert H, Navarro P, Li M, Qi L, Steinthorsdottir V, Scott RA, Almgren P, Arking DE, Aulchenko Y, Balkau B, Benediktsson R, Bergman RN, Boerwinkle E, Bonnycastle L, Burt NP, Campbell H, Charpentier G, Collins FS, Gieger C, Green T, Hadjadj S, Hattersley AT, Herder C, Hofman A, Johnson AD, Kottgen A, Kraft P, Labruno Y, Langenberg C, Manning AK, Mohlke KL, Morris AP, Oostra B, Pankow J, Petersen AK, Pramstaller PP, Prokopenko I, Rathmann W, Rayner W, Roden M, Rudan I, Rybin D, Scott LJ, Sigurdsson G, Sladek R, Thorleifsson G, Thorsteinsdottir U, Tuomilehto J, Uitterlinden AG, Vivequin S, Weedon MN, Wright AF, Hu FB, Illig T, Kao L, Meigs JB, Wilson JF, Stefansson K, van Duijn C, Altschuler D, Morris AD, Boehnke M, McCarthy MI, Froguel P, Palmer CN, Wareham NJ, Groop L, Frayling TM, Cauchi S. Stratifying type 2 diabetes cases by BMI identifies genetic risk variants in LAMA1 and enrichment for risk variants in lean compared to obese cases. *PLoS Genet.* May 2012;8(5):e1002741. (PubMed ID Number: 22693455 PMID: PMC3364960).
87. Pikula A, Beiser AS, DeCarli C, Himali JJ, Debette S, Au R, Selhub J, Toffler GH, Wang TJ, Meigs JB, Kelly-Hayes M, Kase CS, Wolf PA, Vasani RS, Seshadri S. Multiple biomarkers and risk of clinical and subclinical vascular brain injury: the Framingham Offspring Study. *Circulation.* May 1 2012;125(17):2100-2107. (PubMed ID Number: 22456473 PMID: PMC3427730).
88. Polak JF, Meisner A, Pencina MJ, Wolf PA, D'Agostino RB. Variations in common carotid artery intima-media thickness during the cardiac cycle: implications for cardiovascular risk assessment. *J Am Soc Echocardiogr.* Sep 2012;25(9):1023-1028. (PubMed ID Number: 22721828 PMID: PMC3544292).
89. Polak JF, Pencina MJ. Measuring carotid artery intima-media thickness: simplicity versus complexity? *J Am Soc Echocardiogr.* Jan 2012;25(1):101-104. (PubMed ID Number: 22183023).
90. Prushik SG, Farber A, Gona P, Shrader P, Pencina MJ, D'Agostino RB, Sr., Murabito JM. Parental intermittent claudication as risk factor for claudication in adults. *Am J Cardiol.* Mar 1 2012;109(5):736-741. (PubMed ID Number: 22154319 PMID: PMC3288128).
91. Rao M, Mottl AK, Cole SA, Umans JG, Freedman BI, Bowden DW, Langefeld CD, Fox CS, Yang Q, Cupples A, Iyengar SK, Hunt SC, Trikalinos TA. Meta-analysis of genome-wide linkage scans for renal function traits. *Nephrol Dial Transplant.* Feb 2012;27(2):647-656. (PubMed ID Number: 21622988 PMID: PMC3275782).
92. Rienstra M, Lubitz SA, Mahida S, Magnani JW, Fontes JD, Sinner MF, Van Gelder IC, Ellinor PT, Benjamin EJ. Symptoms and functional status of patients with atrial fibrillation: state of the art and future research opportunities. *Circulation.* Jun 12 2012;125(23):2933-2943. (PubMed ID Number: 22689930)

- PMCID: PMC3402179).
93. Rienstra M, Sun JX, Lubitz SA, Frankel DS, Vasan RS, Levy D, Magnani JW, Sullivan LM, Meigs JB, Ellinor PT, Benjamin EJ. Plasma resistin, adiponectin, and risk of incident atrial fibrillation: the Framingham Offspring Study. *Am Heart J*. Jan 2012;163(1):119-124 e111. (PubMed ID Number: 22172445 PMCID: PMC3375331).
  94. Rienstra M, Sun JX, Magnani JW, Sinner MF, Lubitz SA, Sullivan LM, Ellinor PT, Benjamin EJ. White blood cell count and risk of incident atrial fibrillation (from the Framingham Heart Study). *Am J Cardiol*. Feb 15 2012;109(4):533-537. (PubMed ID Number: 22100030 PMCID: PMC3270118).
  95. Roberts LD, Souza AL, Gerszten RE, Clish CB. Targeted metabolomics. *Curr Protoc Mol Biol*. Apr 2012;Chapter 30:Unit 30 32 31-24. (PubMed ID Number: 22470063 PMCID: PMC3334318).
  96. Roemer FW, Guermazi A, Niu J, Zhang Y, Mohr A, Felson DT. Prevalence of magnetic resonance imaging-defined atrophic and hypertrophic phenotypes of knee osteoarthritis in a population-based cohort. *Arthritis Rheum*. Feb 2012;64(2):429-437. (PubMed ID Number: 22094921 PMCID: PMC3268883).
  97. Romero JR, Preis SR, Beiser AS, DeCarli C, Lee DY, Viswanathan A, Benjamin EJ, Fontes J, Au R, Pikula A, Wang J, Kase CS, Wolf PA, Irrizarry MC, Seshadri S. Lipoprotein phospholipase A2 and cerebral microbleeds in the Framingham Heart Study. *Stroke*. Nov 2012;43(11):3091-3094. (PubMed ID Number: 22961963 PMCID: PMC3544291).
  98. Rutter MK, Massaro JM, Hoffmann U, O'Donnell CJ, Fox CS. Fasting glucose, obesity, and coronary artery calcification in community-based people without diabetes. *Diabetes Care*. Sep 2012;35(9):1944-1950. (PubMed ID Number: 22773705 PMCID: PMC3425010).
  99. Sakakeeny L, Roubenoff R, Obin M, Fontes JD, Benjamin EJ, Bujanover Y, Jacques PF, Selhub J. Plasma pyridoxal-5-phosphate is inversely associated with systemic markers of inflammation in a population of U.S. adults. *J Nutr*. Jul 2012;142(7):1280-1285. (PubMed ID Number: 22623384 PMCID: PMC3374666).
  100. Samelson EJ, Booth SL, Fox CS, Tucker KL, Wang TJ, Hoffmann U, Cupples LA, O'Donnell CJ, Kiel DP. Calcium intake is not associated with increased coronary artery calcification: the Framingham Study. *Am J Clin Nutr*. Dec 2012;96(6):1274-1280. (PubMed ID Number: 23134889 PMCID: PMC3497924).
  101. Saxena R, Elbers CC, Guo Y, Peter I, Gaunt TR, Mega JL, Lanktree MB, Tare A, Castillo BA, Li YR, Johnson T, Bruinenberg M, Gilbert-Diamond D, Rajagopalan R, Voight BF, Balasubramanyam A, Barnard J, Bauer F, Baumert J, Bhangale T, Bohm BO, Braund PS, Burton PR, Chandrupatla HR, Clarke R, Cooper-DeHoff RM, Crook ED, Davey-Smith G, Day IN, de Boer A, de Groot MC, Drenos F, Ferguson J, Fox CS, Furlong CE, Gibson Q, Gieger C, Gilhuijs-Pederson LA, Glessner JT, Goel A, Gong Y, Grant SF, Grobbee DE, Hastie C, Humphries SE, Kim CE, Kivimaki M, Kleber M, Meisinger C, Kumari M, Langaee TY, Lawlor DA, Li M, Lobbmeyer MT, Maitland-van der Zee AH, Meijs MF, Molony CM, Morrow DA, Murugesan G, Musani SK, Nelson CP, Newhouse SJ, O'Connell JR, Padmanabhan S, Palmen J, Patel SR, Pepine CJ, Pettinger M, Price TS, Rafelt S, Ranchalis J, Rasheed A, Rosenthal E, Ruczinski I, Shah S, Shen H,

- Silbernagel G, Smith EN, Spijkerman AW, Stanton A, Steffes MW, Thorand B, Trip M, van der Harst P, van der AD, van Iperen EP, van Setten J, van Vliet-Ostaptchouk JV, Verweij N, Wolffenbuttel BH, Young T, Zafarmand MH, Zmuda JM, Boehnke M, Altshuler D, McCarthy M, Kao WH, Pankow JS, Cappola TP, Sever P, Poulter N, Caulfield M, Dominiczak A, Shields DC, Bhatt DL, Zhang L, Curtis SP, Danesh J, Casas JP, van der Schouw YT, Onland-Moret NC, Doevendans PA, Dorn GW, 2nd, Farrall M, FitzGerald GA, Hamsten A, Hegele R, Hingorani AD, Hofker MH, Huggins GS, Illig T, Jarvik GP, Johnson JA, Klungel OH, Knowler WC, Koenig W, Marz W, Meigs JB, Melander O, Munroe PB, Mitchell BD, Bielinski SJ, Rader DJ, Reilly MP, Rich SS, Rotter JI, Saleheen D, Samani NJ, Schadt EE, Shuldiner AR, Silverstein R, Kottke-Marchant K, Talmud PJ, Watkins H, Asselbergs FW, de Bakker PI, McCaffery J, Wijmenga C, Sabatine MS, Wilson JG, Reiner A, Bowden DW, Hakonarson H, Siscovick DS, Keating BJ. Large-scale gene-centric meta-analysis across 39 studies identifies type 2 diabetes loci. *Am J Hum Genet.* Mar 9 2012;90(3):410-425. (PubMed ID Number: 22325160 PMID: PMC3309185).
102. Scott RA, Lagou V, Welch RP, Wheeler E, Montasser ME, Luan J, Magi 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, Muller-Nurasyid M, Franco-Cereceda A, Folkersen L, Marullo L, Jansen H, Oldehinkel AJ, Bruinenberg M, Pankow JS, North KE, Forouhi NG, Loos RJ, Edkins S, Varga TV, Hallmans G, Oksa H, Antonella M, Nagaraja R, Trompet S, Ford I, Bakker SJ, Kong A, Kumari M, Gigante B, Herder C, Munroe PB, Caulfield M, Antti J, Mangino M, Small K, Miljkovic I, Liu Y, Atalay M, Kiess W, James AL, Rivadeneira F, Uitterlinden AG, Palmer CN, Doney AS, Willemsen G, Smit JH, Campbell S, Polasek O, Bonnycastle LL, Hercberg S, Dimitriou M, Bolton JL, Fowkes GR, Kovacs P, Lindstrom J, Zemunik T, Bandinelli S, Wild SH, Basart HV, Rathmann W, Grallert H, Maerz W, Kleber ME, Boehm BO, Peters A, Pramstaller PP, Province MA, Borecki IB, Hastie ND, Rudan I, Campbell H, Watkins H, Farrall M, Stumvoll M, Ferrucci L, Waterworth DM, Bergman RN, Collins FS, Tuomilehto J, Watanabe RM, de Geus EJ, Penninx BW, Hofman A, Oostra BA, Psaty BM, Vollenweider P, Wilson JF, Wright AF, Hovingh GK, Metspalu A, Uusitupa M, Magnusson PK, Kyvik KO, Kaprio J, Price JF, Dedoussis GV, Deloukas P, Meneton P, Lind L, Boehnke M, Shuldiner AR, van Duijn CM, Morris AD, Toenjes A, Peyser PA, Beilby JP, Korner A, Kuusisto J, Laakso M, Bornstein SR, Schwarz PE, Lakka TA, Rauramaa R, Adair LS, Smith GD, Spector TD, Illig T, de Faire U, Hamsten A, Gudnason V, Kivimaki M, Hingorani A, Keinanen-Kiukaanniemi SM, Saaristo TE, Boomsma DI, Stefansson K, van der Harst P, Dupuis J, Pedersen NL, Sattar N, Harris TB, Cucca F, Ripatti

- S, Salomaa V, Mohlke KL, Balkau B, Froguel P, Pouta A, Jarvelin MR, Wareham NJ, Bouatia-Naji N, McCarthy MI, Franks PW, Meigs JB, Teslovich TM, Florez JC, Langenberg C, Ingelsson E, Prokopenko I, Barroso I. Large-scale association analyses identify new loci influencing glycemic traits and provide insight into the underlying biological pathways. *Nat Genet.* Sep 2012;44(9):991-1005. (PubMed ID Number: 22885924 PMID: PMC3433394).
103. Sinner MF, Porthan K, Noseworthy PA, Havulinna AS, Tikkanen JT, Muller-Nurasyid M, Peloso G, Ulivi S, Beckmann BM, Brockhaus AC, Cooper RR, Gasparini P, Hengstenberg C, Hwang SJ, Iorio A, Juntila MJ, Klopp N, Kahonen M, Laaksonen MA, Lehtimaki T, Lichtner P, Lyytikainen LP, Martens E, Meisinger C, Meitinger T, Merchant FM, Nieminen MS, Peters A, Pietila A, Perz S, Oikarinen L, Raitakari O, Reinhard W, Silander K, Thorand B, Wichmann HE, Sinagra G, Viikari J, O'Donnell CJ, Ellinor PT, Huikuri HV, Kaab S, Newton-Cheh C, Salomaa V. A meta-analysis of genome-wide association studies of the electrocardiographic early repolarization pattern. *Heart Rhythm.* Oct 2012;9(10):1627-1634. (PubMed ID Number: 22683750 PMID: PMC3459269).
104. Stolk L, Perry JR, Chasman DI, He C, Mangino M, Sulem P, Barbalic M, Broer L, Byrne EM, Ernst F, Esko T, Franceschini N, Gudbjartsson DF, Hottenga JJ, Kraft P, McArdle PF, Porcu E, Shin SY, Smith AV, van Wingerden S, Zhai G, Zhuang WV, Albrecht E, Alizadeh BZ, Aspelund T, Bandinelli S, Lauc LB, Beckmann JS, Boban M, Boerwinkle E, Broekmans FJ, Burri A, Campbell H, Chanock SJ, Chen C, Cornelis MC, Corre T, Coviello AD, d'Adamo P, Davies G, de Faire U, de Geus EJ, Deary IJ, Dedoussis GV, Deloukas P, Ebrahim S, Eiriksdottir G, Emilsson V, Eriksson JG, Fauser BC, Ferrel L, Ferrucci L, Fischer K, Folsom AR, Garcia ME, Gasparini P, Gieger C, Glazer N, Grobbee DE, Hall P, Haller T, Hankinson SE, Hass M, Hayward C, Heath AC, Hofman A, Ingelsson E, Janssens AC, Johnson AD, Karasik D, Kardia SL, Keyzer J, Kiel DP, Kolcic I, Kutalik Z, Lahti J, Lai S, Laisk T, Laven JS, Lawlor DA, Liu J, Lopez LM, Louwers YV, Magnusson PK, Marongiu M, Martin NG, Klaric IM, Masciullo C, McKnight B, Medland SE, Melzer D, Mooser V, Navarro P, Newman AB, Nyholt DR, Onland-Moret NC, Palotie A, Pare G, Parker AN, Pedersen NL, Peeters PH, Pistis G, Plump AS, Polasek O, Pop VJ, Psaty BM, Raikonen K, Rehnberg E, Rotter JI, Rudan I, Sala C, Salumets A, Scuteri A, Singleton A, Smith JA, Snieder H, Soranzo N, Stacey SN, Starr JM, Stathopoulou MG, Stirrups K, Stolk RP, Stykarsdottir U, Sun YV, Tenesa A, Thorand B, Toniolo D, Tryggvadottir L, Tsui K, Ulivi S, van Dam RM, van der Schouw YT, van Gils CH, van Nierop P, Vink JM, Visscher PM, Voorhuis M, Waeber G, Wallaschofski H, Wichmann HE, Widen E, Wijnands-van Gent CJ, Willemsen G, Wilson JF, Wolffenbuttel BH, Wright AF, Yerges-Armstrong LM, Zemunik T, Zgaga L, Zillikens MC, Zylmunt M, Study TL, Arnold AM, Boomsma DI, Buring JE, Crisponi L, Demerath EW, Gudnason V, Harris TB, Hu FB, Hunter DJ, Launer LJ, Metspalu A, Montgomery GW, Oostra BA, Ridker PM, Sanna S, Schlessinger D, Spector TD, Stefansson K, Streeten EA, Thorsteinsdottir U, Uda M, Uitterlinden AG, van Duijn CM, Volzke H, Murray A, Murabito JM, Visser JA, Lunetta KL. Meta-analyses identify 13 loci associated with age at menopause and highlight DNA repair and immune pathways. *Nat Genet.* Mar 2012;44(3):260-268. (PubMed ID Number: 22267201)

- PMCID: PMC3288642).
105. Strully KW, Fowler JH, Murabito JM, Benjamin EJ, Levy D, Christakis NA. Aspirin use and cardiovascular events in social networks. *Soc Sci Med.* Apr 2012;74(7):1125-1129. (PubMed ID Number: 22361089 PMCID: PMC3298609).
  106. Suri P, Hunter DJ, Rainville J, Guermazi A, Katz JN. Quantitative assessment of abdominal aortic calcification and associations with lumbar intervertebral disc height loss: the Framingham Study. *Spine J.* Apr 2012;12(4):315-323. (PubMed ID Number: 22561175 PMCID: PMC3367049).
  107. Taal HR, Verwoert GC, Demirkan A, Janssens AC, Rice K, Ehret G, Smith AV, Verhaaren BF, Witteman JC, Hofman A, Vernooij MW, Uitterlinden AG, Rivadeneira F, Ikram MA, Levy D, van der Heijden AJ, Jaddoe VW, van Duijn CM. Genome-wide profiling of blood pressure in adults and children. *Hypertension.* Feb 2012;59(2):241-247. (PubMed ID Number: 22203742 PMCID: PMC3266432).
  108. Tan ZS, Harris WS, Beiser AS, Au R, Himali JJ, Debette S, Pikula A, Decarli C, Wolf PA, Vasani RS, Robins SJ, Seshadri S. Red blood cell omega-3 fatty acid levels and markers of accelerated brain aging. *Neurology.* Feb 28 2012;78(9):658-664. (PubMed ID Number: 22371413 PMCID: PMC3286229).
  109. Thanassoulis G, Lyass A, Benjamin EJ, Larson MG, Vita JA, Levy D, Hamburg NM, Widlansky ME, O'Donnell CJ, Mitchell GF, Vasani RS. Relations of exercise blood pressure response to cardiovascular risk factors and vascular function in the Framingham Heart Study. *Circulation.* Jun 12 2012;125(23):2836-2843. (PubMed ID Number: 22572915).
  110. Thanassoulis G, Massaro JM, Corsini E, Rogers I, Schlett CL, Meigs JB, Hoffmann U, O'Donnell CJ, Fox CS. Periaortic adipose tissue and aortic dimensions in the Framingham Heart Study. *J Am Heart Assoc.* Dec 2012;1(6):e000885. (PubMed ID Number: 23316310 PMCID: PMC3540669).
  111. Thanassoulis G, Peloso GM, Pencina MJ, Hoffmann U, Fox CS, Cupples LA, Levy D, D'Agostino RB, Hwang SJ, O'Donnell CJ. A genetic risk score is associated with incident cardiovascular disease and coronary artery calcium: the Framingham Heart Study. *Circ Cardiovasc Genet.* Feb 1 2012;5(1):113-121. (PubMed ID Number: 22235037 PMCID: PMC3292865).
  112. Truong QA, Massaro JM, Rogers IS, Mahabadi AA, Kriegel MF, Fox CS, O'Donnell CJ, Hoffmann U. Reference values for normal pulmonary artery dimensions by noncontrast cardiac computed tomography: the Framingham Heart Study. *Circ Cardiovasc Imaging.* Jan 2012;5(1):147-154. (PubMed ID Number: 22178898 PMCID: PMC3275437).
  113. Tsao CW, Preis SR, Peloso GM, Hwang SJ, Kathiresan S, Fox CS, Cupples LA, Hoffmann U, O'Donnell CJ. Relations of long-term and contemporary lipid levels and lipid genetic risk scores with coronary artery calcium in the Framingham Heart Study. *J Am Coll Cardiol.* Dec 11 2012;60(23):2364-2371. (PubMed ID Number: 23141485).
  114. Turchin MC, Chiang CW, Palmer CD, Sankararaman S, Reich D, Hirschhorn JN. Evidence of widespread selection on standing variation in Europe at height-associated SNPs. *Nat Genet.* Sep 2012;44(9):1015-1019. (PubMed ID Number: 22902787 PMCID: PMC3480734).

115. van Himbergen TM, Beiser AS, Ai M, Seshadri S, Otokoza S, Au R, Thongtang N, Wolf PA, Schaefer EJ. Biomarkers for insulin resistance and inflammation and the risk for all-cause dementia and alzheimer disease: results from the Framingham Heart Study. *Arch Neurol.* May 2012;69(5):594-600. (PubMed ID Number: 22213409 PMID: PMC3512190).
116. Vattikuti S, Guo J, Chow CC. Heritability and genetic correlations explained by common SNPs for metabolic syndrome traits. *PLoS Genet.* 2012;8(3):e1002637. (PubMed ID Number: 22479213 PMID: PMC3315484).
117. Voight BF, Peloso GM, Orho-Melander M, Frikke-Schmidt R, Barbalic M, Jensen MK, Hindy G, Holm H, Ding EL, Johnson T, Schunkert H, Samani NJ, Clarke R, Hopewell JC, Thompson JF, Li M, Thorleifsson G, Newton-Cheh C, Musunuru K, Pirruccello JP, Saleheen D, Chen L, Stewart A, Schillert A, Thorsteinsdottir U, Thorgeirsson G, Anand S, Engert JC, Morgan T, Spertus J, Stoll M, Berger K, Martinelli N, Girelli D, McKeown PP, Patterson CC, Epstein SE, Devaney J, Burnett MS, Mooser V, Ripatti S, Surakka I, Nieminen MS, Sinisalo J, Lokki ML, Perola M, Havulinna A, de Faire U, Gigante B, Ingelsson E, Zeller T, Wild P, de Bakker PI, Klungel OH, Maitland-van der Zee AH, Peters BJ, de Boer A, Grobbee DE, Kamphuisen PW, Deneer VH, Elbers CC, Onland-Moret NC, Hofker MH, Wijmenga C, Verschuren WM, Boer JM, van der Schouw YT, Rasheed A, Frossard P, Demissie S, Willer C, Do R, Ordovas JM, Abecasis GR, Boehnke M, Mohlke KL, Daly MJ, Guiducci C, Burt NP, Surti A, Gonzalez E, Purcell S, Gabriel S, Marrugat J, Peden J, Erdmann J, Diemert P, Willenborg C, Konig IR, Fischer M, Hengstenberg C, Ziegler A, Buysschaert I, Lambrechts D, Van de Werf F, Fox KA, El Mokhtari NE, Rubin D, Schrezenmeir J, Schreiber S, Schafer A, Danesh J, Blankenberg S, Roberts R, McPherson R, Watkins H, Hall AS, Overvad K, Rimm E, Boerwinkle E, Tybjaerg-Hansen A, Cupples LA, Reilly MP, Melander O, Mannucci PM, Ardissino D, Siscovick D, Elosua R, Stefansson K, O'Donnell CJ, Salomaa V, Rader DJ, Peltonen L, Schwartz SM, Altshuler D, Kathiresan S. Plasma HDL cholesterol and risk of myocardial infarction: a mendelian randomisation study. *Lancet.* Aug 11 2012;380(9841):572-580. (PubMed ID Number: 22607825 PMID: PMC3419820).
118. Wang TJ, Wollert KC, Larson MG, Coglianese E, McCabe EL, Cheng S, Ho JE, Fradley MG, Ghorbani A, Xanthakis V, Kempf T, Benjamin EJ, Levy D, Vasan RS, Januzzi JL. Prognostic utility of novel biomarkers of cardiovascular stress: the Framingham Heart Study. *Circulation.* Sep 25 2012;126(13):1596-1604. (PubMed ID Number: 22907935).
119. Wang Y, Chen YH, Yang Q. Joint rare variant association test of the average and individual effects for sequencing studies. *PLoS One.* 2012;7(3):e32485. (PubMed ID Number: 22468164 PMID: PMC3309869).
120. Washko GR, Parraga G, Coxson HO. Quantitative pulmonary imaging using computed tomography and magnetic resonance imaging. *Respirology.* Apr 2012;17(3):432-444. (PubMed ID Number: 22142490 PMID: PMC3312990).
121. 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, Leach IM, 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*. May 2012;222(1):138-147. (PubMed ID Number: 22361517).
- 122.** 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 studies identify CHRNA5/3 and HTR4 in the development of airflow obstruction. *Am J Respir Crit Care Med*. Oct 1 2012;186(7):622-632. (PubMed ID Number: 22837378 PMID: PMC3480517).
- 123.** Wilmot B, Voruganti VS, Chang YP, Fu Y, Chen Z, Taylor HA, Wilson JG, Gipson T, Shah VO, Umans JG, Flessner MF, Hitzemann R, Shuldiner AR, Comuzzie AG, McWeeney S, Zager PG, Maccluer JW, Cole SA, Cohen DM. Heritability of serum sodium concentration: evidence for sex- and ethnic-specific effects. *Physiol Genomics*. Feb 13 2012;44(3):220-228. (PubMed ID Number: 22186255 PMID: PMC3289114).
- 124.** Wolf PA. Contributions of the Framingham Heart Study to stroke and dementia epidemiologic research at 60 years. *Arch Neurol*. May 2012;69(5):567-571. (PubMed ID Number: 22213410 PMID: PMC3380159).
- 125.** Yang J, Loos RJ, Powell JE, Medland SE, Speliotes EK, Chasman DI, Rose LM, Thorleifsson G, Steinthorsdottir V, Magi 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, Ziegler A, Eriksson J, Kutalik Z, Frau F, Nolte IM, Van Vliet-Ostaptchouk JV, Hottenga JJ, Jacobs KB, Verweij N, Goel A, Medina-Gomez C, Estrada K, Bragg-Gresham JL, Sanna S, Sidore C, Tyrer J, Teumer A, Prokopenko I, Mangino M, Lindgren CM, Assimes TL, Shuldiner AR, Hui J, Beilby JP, McArdle WL, Hall P, Haritunians T, Zgaga L, Kolcic I, Polasek O, Zemunik T, Oostra BA, Junttila MJ, Gronberg H, Schreiber S, Peters A, Hicks AA, Stephens J, Foad NS, Laitinen J, Pouta A, Kaakinen M, Willemsen G, Vink JM, Wild SH, Navis G, Asselbergs FW, Homuth G, John U,

- Iribarren C, Harris T, Launer L, Gudnason V, O'Connell JR, Boerwinkle E, Cadby G, Palmer LJ, James AL, Musk AW, Ingelsson E, Psaty BM, Beckmann JS, Waeber G, Vollenweider P, Hayward C, Wright AF, Rudan I, Groop LC, Metspalu A, Khaw KT, van Duijn CM, Borecki IB, Province MA, Wareham NJ, Tardif JC, Huikuri HV, Cupples LA, Atwood LD, Fox CS, Boehnke M, Collins FS, Mohlke KL, Erdmann J, Schunkert H, Hengstenberg C, Stark K, Lorentzon M, Ohlsson C, Cusi D, Staessen JA, Van der Klauw MM, Pramstaller PP, Kathiresan S, Jolley JD, Ripatti S, Jarvelin MR, de Geus EJ, Boomsma DI, Penninx B, Wilson JF, Campbell H, Chanock SJ, van der Harst P, Hamsten A, Watkins H, Hofman A, Witteman JC, Zillikens MC, Uitterlinden AG, Rivadeneira F, Kiemeneij LA, Vermeulen SH, Abecasis GR, Schlessinger D, Schipf S, Stumvoll M, Tonjes A, Spector TD, 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*. Oct 11 2012;490(7419):267-272. (PubMed ID Number: 22982992 PMID: PMC3564953).
- 126.** Zachariah JP, Xanthakis V, Larson MG, Vita JA, Sullivan LM, Smith HM, Safa R, Peng X, Hamburg N, Levy D, Sawyer DB, Mitchell GF, Vasan RS. Circulating vascular growth factors and central hemodynamic load in the community. *Hypertension*. Apr 2012;59(4):773-779. (PubMed ID Number: 22371357 PMID: PMC3336212).
- 127.** Zhu Y, Xiong M. Family-based association studies for next-generation sequencing. *Am J Hum Genet*. Jun 8 2012;90(6):1028-1045. (PubMed ID Number: 22682329 PMID: PMC3370281).