

## Publications 2015

- [1] Bis JC, Sitlani C, Irvin R, Avery CL, Smith AV, Sun F, Evans DS, Musani SK, Li X, Trompet S, Krijthe BP, Harris TB, Quibrera PM, Brody JA, Demissie S, Davis BR, Wiggins KL, Tranah GJ, Lange LA, Sotoodehnia N, Stott DJ, Franco OH, Launer LJ, Stürmer T, Taylor KD, Cupples LA, Eckfeldt JH, Smith NL, Liu Y, Wilson JG, Heckbert SR, Buckley BM, Ikram MA, Boerwinkle E, Chen YDI, De Craen AJM, Uitterlinden AG, Rotter JI, Ford I, Hofman A, Sattar N, Slagboom PE, Westendorp RGJ, Gudnason V, Vasani RS, Lumley T, Cummings SR, Taylor H.A, Jr., Post W, Jukema JW, Stricker BH, Whitsel EA, Psaty BM, Arnett D. Drug-gene interactions of antihypertensive medications and risk of incident cardiovascular disease: A pharmacogenomics study from the CHARGE consortium. **PLoS ONE**. 2015;10(10).
- [2] Blum MR, Bauer DC, Collet TH, Fink HA, Cappola AR, Da Costa BR, Wirth CD, Peeters RP, Asvold BO, Den Elzen WPJ, Luben RN, Imaizumi M, Bremner AP, Gogakos A, Eastell R, Kearney PM, Strotmeyer ES, Wallace ER, Hoff M, Ceresini G, Rivadeneira F, Uitterlinden AG, Stott DJ, Westendorp RGJ, Khaw KT, Langhammer A, Ferrucci L, Gussekloo J, Williams GR, Walsh JP, Juni P, Aujesky D, Rodondi N. Subclinical thyroid dysfunction and fracture risk a meta-analysis. **JAMA - Journal of the American Medical Association**. 2015;313(20):2055-65.
- [3] Broer L, Buchman AS, Deelen J, Evans DS, Faul JD, Lunetta KL, Sebastiani P, Smith JA, Smith AV, Tanaka T, Yu L, Arnold AM, Aspelund T, Benjamin EJ, De Jager PL, Eiriksdottir G, Evans DA, Garcia ME, Hofman A, Kaplan RC, Kardina SLR, Kiel DP, Oostra BA, Orwoll ES, Parimi N, Psaty BM, Rivadeneira F, Rotter JI, Seshadri S, Singleton A, Tiemeier H, Uitterlinden AG, Zhao W, Bandinelli S, Bennett DA, Ferrucci L, Gudnason V, Harris TB, Karasik D, Launer LJ, Perls TT, Eline Slagboom P, Tranah GJ, Weir DR, Newman AB, Van Duijn CM, Murabito JM. GWAS of longevity in CHARGE consortium confirms APOE and FOXO3 candidacy. **Journals of Gerontology - Series A Biological Sciences and Medical Sciences**. 2015;70(1):110-8.
- [4] Brouwer-Brolsma EM, Dhonukshe-Rutten RAM, van Wijngaarden JP, van de Zwaluw NL, in 't Veld PH, Wins S, Swart KMA, Enneman AW, Ham AC, van Dijk SC, van Schoor NM, van der Velde N, Uitterlinden AG, Lips P, Kessels RPC, Steegenga WT, Feskens EJM, de Groot LCPGM. Cognitive Performance: A Cross-Sectional Study on Serum Vitamin D and Its Interplay With Glucose Homeostasis in Dutch Older Adults. **Journal of the American Medical Directors Association**. 2015;16(7):621-7.
- [5] Cornelis MC, Byrne EM, Esko T, Nalls MA, Ganna A, Paynter N, Monda KL, Amin N, Fischer K, Renstrom F, Ngwa JS, Huikari V, Cavadino A, Nolte IM, Teumer A, Yu K, Marques-Vidal P, Rawal R, Manichaikul A, Wojczynski MK, Vink JM, Zhao JH, Burlutsky G, Lahti J, Mikkilä V, Lemaitre RN, Eriksson J, Musani SK, Tanaka T, Geller F, Luan J, Hui J, Mägi R, Dimitriou M, Garcia ME, Ho WK, Wright MJ, Rose LM, Magnusson PKE, Pedersen NL, Couper D, Oostra BA, Hofman A, Ikram MA, Tiemeier HW, Uitterlinden AG, Van Rooij FJA, Barroso I, Johansson I, Xue L, Kaakinen M, Milani L, Power C, Snieder H, Stolk RP, Baumeister SE, Biffar R, Gu F, Bastardot F, Kutalik Z, Jacobs Jr DR, Forouhi NG, Mihailov E, Lind L, Lindgren C, Michaëlsson K, Morris A, Jensen M, Khaw KT, Luben RN, Wang JJ, Männistö S, Perälä MM, Kähönen M, Lehtimäki T, Viikari J, Mozaffarian D, Mukamal K, Psaty BM, Döring A, Heath AC, Montgomery GW, Dahmen N, Carithers T, Tucker KL, Ferrucci L, Boyd HA, Melbye M, Treur JL, Mellström D, Hottenga JJ, Prokopenko I, Tönjes A, Deloukas P, Kanoni S, Lorentzon M, Houston DK, Liu Y, Danesh J, Rasheed A, Mason MA, Zonderman AB, Franke L, Kristal BS, Karjalainen J, Reed DR, Westra HJ, Evans MK, Saleheen D, Harris TB, Dedoussis G, Curhan G, Stumvoll M, Beilby J, Pasquale LR, Feenstra B, Bandinelli S, Orvaschel JM, Chan AT, Peters U, Ohlsson C, Gieger C, Martin NG, Waldenberger M, Siscovick DS, Raitakari O, Eriksson JG, Mitchell P, Hunter DJ, Kraft P, Rimm EB, Boomsma DI, Borecki IB, Loos RJF, Wareham NJ, Vollenweider P, Caporaso N,

Grabe HJ, Neuhouser ML, Wolffenbuttel BHR, Hu FB, Hyppönen E, Järvelin MR, Cupples LA, Franks PW, Ridker PM, Van Duijn CM, Heiss G, Metspalu A, North KE, Ingelsson E, Nettleton JA, Van Dam RM, Chasman DI. Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. **Molecular Psychiatry**. 2015;20(5):647-56.

[6] Davies G, Armstrong N, Bis JC, Bressler J, Chouraki V, Giddaluru S, Hofer E, Ibrahim-Verbaas CA, Kirin M, Lahti J, Van Der Lee SJ, Le Hellard S, Liu T, Marioni RE, Oldmeadow C, Postmus I, Smith AV, Smith JA, Thalamuthu A, Thomson R, Vitart V, Wang J, Yu L, Zgaga L, Zhao W, Boxall R, Harris SE, Hill WD, Liewald DC, Luciano M, Adams H, Ames D, Amin N, Amouyel P, Assareh AA, Au R, Becker JT, Beiser A, Berr C, Bertram L, Boerwinkle E, Buckley BM, Campbell H, Corley J, De Jager PL, Dufouil C, Eriksson JG, Espeseth T, Faul JD, Ford I, Scotland G, Gottesman RF, Griswold ME, Gudnason V, Harris TB, Heiss G, Hofman A, Holliday EG, Huffman J, Kardia SLR, Kochan N, Knopman DS, Kwok JB, Lambert JC, Lee T, Li G, Li SC, Loitfelder M, Lopez OL, Lundervold AJ, Lundqvist A, Mather KA, Mirza SS, Nyberg L, Oostra BA, Palotie A, Papenberg G, Pattie A, Petrovic K, Polasek O, Psaty BM, Redmond P, Reppermund S, Rotter JI, Schmidt H, Schuur M, Schofield PW, Scott RJ, Steen VM, Stott DJ, Van Swieten JC, Taylor KD, Trollor J, Trompet S, Uitterlinden AG, Weinstein G, Widen E, Windham BG, Jukema JW, Wright AF, Wright MJ, Yang Q, Amieva H, Attia JR, Bennett DA, Brodaty H, De Craen AJM, Hayward C, Ikram MA, Lindenberger U, Nilsson LG, Porteous DJ, Räikkönen K, Reinvang I, Rudan I, Sachdev PS, Schmidt R, Schofield PR, Srikanth V, Starr JM, Turner ST, Weir DR, Wilson JF, Van Duijn C, Launer L, Fitzpatrick AL, Seshadri S, Mosley TH, Deary IJ. Genetic contributions to variation in general cognitive function: A meta-analysis of genome-wide association studies in the CHARGE consortium (N=53 949). **Molecular Psychiatry**. 2015;20(2):183-92.

[7] Day FR, Ruth KS, Thompson DJ, Lunetta KL, Pervjakova N, Chasman DI, Stolk L, Finucane HK, Sulem P, Bulik-Sullivan B, Esko T, Johnson AD, Elks CE, Franceschini N, He C, Altmaier E, Brody JA, Franke LL, Huffman JE, Keller MF, McArdle PF, Nutile T, Porcu E, Robino A, Rose LM, Schick UM, Smith JA, Teumer A, Traglia M, Vuckovic D, Yao J, Zhao W, Albrecht E, Amin N, Corre T, Hottenga JJ, Mangino M, Smith AV, Tanaka T, Abecasis GR, Andrusis IL, Anton-Culver H, Antoniou AC, Arndt V, Arnold AM, Barbieri C, Beckmann MW, Beeghly-Fadiel A, Benitez J, Bernstein L, Bielinski SJ, Blomqvist C, Boerwinkle E, Bogdanova NV, Bojesen SE, Bolla MK, Borresen-Dale AL, Boutin TS, Brauch H, Brenner H, Brüning T, Burwinkel B, Campbell A, Campbell H, Chanock SJ, Chapman JR, Ida Chen YD, Chenevix-Trench G, Couch FJ, Coviello AD, Cox A, Czene K, Darabi H, De Vivo I, Demerath EW, Dennis J, Devilee P, Dörk T, Dos-Santos-Silva I, Dunning AM, Eicher JD, Fasching PA, Faul JD, Figueroa J, Flesch-Janys D, Gandin I, Garcia ME, García-Closas M, Giles GG, Grotto GG, Goldberg MS, González-Neira A, Goodarzi MO, Grove ML, Gudbjartsson DF, Guénel P, Guo X, Haiman CA, Hall P, Hamann U, Henderson BE, Hocking LJ, Hofman A, Homuth G, Hoening MJ, Hopper JL, Hu FB, Huang J, Humphreys K, Hunter DJ, Jakubowska A, Jones SE, Kabisch M, Karasik D, Knight JA, Kolcic I, Kooperberg C, Kosma VM, Kriebel J, Kristensen V, Lambrechts D, Langenberg C, Li J, Li X, Lindström S, Liu Y, Luan J, Lubinski J, Mägi R, Mannermaa A, Manz J, Margolin S, Marten J, Martin NG, Masciullo C, Meindl A, Michailidou K, Mihailov E, Milani L, Milne RL, Müller-Nurasyid M, Nalls M, Neale BM, Nevanlinna H, Neven P, Newman AB, Nordestgaard Bø G, Olson JE, Padmanabhan S, Peterlongo P, Peters U, Petersmann A, Peto J, Pharoah PDP, Pirastu NN, Pirie A, Pistis G, Polasek O, Porteous D, Psaty BM, Pykäs K, Radice P, Raffel LJ, Rivadeneira F, Rudan I, Rudolph A, Ruggiero D, Sala CF, Sanna S, Sawyer EJ, Schlessinger D, Schmidt MK, Schmidt F, Schmutzler RK, Schoemaker MJ, Scott RA, Seynaeve CM, Simard J, Sorice R, Southey MC, Stöckl D, Strauch K, Swerdlow A, Taylor KD, Thorsteinsdottir U, Toland AE, Tomlinson I, Truong T, Tryggvadottir L, Turner ST, Vozzi D, Wang Q, Wellons M, Willemsen G, Wilson JF, Winqvist R, Wolffenbuttel BBHR, Wright AF, Yannoukakos D, Zemunik T, Zheng W, Zygmont M, Bergmann S, Boomsma DI, Buring JE, Ferrucci L, Montgomery GW, Gudnason V, Spector TD, Van Duijn CM, Alizadeh BZ, Ciullo M, Crisponi L, Easton DF, Gasparini PP, Gieger C, Harris TB, Hayward C, Kardia SLR, Kraft P, McKnight B, Metspalu A, Morrison AC, Reiner AP, Ridker PM, Rotter JI, Toniolo D, Uitterlinden AG, Ulivi S, Völzke H, Wareham NJ, Weir DR, Yerges-Armstrong LM, Price AL, Stefansson K, Visser JA, Ong KK, Chang-Claude J, Murabito JM, Perry JRB, Murray A. Large-Scale

Genomic Analyses Link Reproductive Aging to Hypothalamic Signaling, Breast Cancer Susceptibility, and BRCA1-Mediated DNA Repair. **Obstetrical and Gynecological Survey**. 2015;70(12):758-62.

[8] de Jonge EAL, Kiefte-De Jong JC, de Groot LCPGM, Voortman T, Schoufour JD, Carola Zillikens M, Hofman A, Uitterlinden AG, Franco OH, Rivadeneira F. Development of a food group-based diet score and its association with bone mineral density in the elderly: The Rotterdam study. **Nutrients**. 2015;7(8):6974-90.

[9] De Keyser CE, Becker ML, Hofman A, Lous JJ, Uitterlinden AG, Visser LE, Stricker BH. The rs13064411 polymorphism in the WDR52 gene, associated with PCSK9 levels, modifies statin-induced changes in serum total and LDL cholesterol levels. **Pharmacogenetics and Genomics**. 2015;25(3):134-42.

[10] de Kruijf M, Verlinden VJA, Huygen FJPM, Hofman A, van der Geest JN, Uitterlinden AG, Bierma-Zeinstra SMA, Ikram MA, van Meurs JBJ. Chronic joint pain in the lower body is associated with gait differences independent from radiographic osteoarthritis. **Gait and Posture**. 2015;42(3):354-9.

[11] De Vries PS, Boender J, Sonneveld MAH, Rivadeneira F, Ikram MA, Rottensteiner H, Hofman A, Uitterlinden AG, Leebeek FWG, Franco OH, Dehghan A, De Maat MPM. Genetic variants in the ADAMTS13 and SUPT3H genes are associated with ADAMTS13 activity. **Blood**. 2015;125(25):3949-55.

[12] De Vries PS, Kavousi M, Ligthart S, Uitterlinden AG, Hofman A, Franco OH, Dehghan A. Incremental predictive value of 152 single nucleotide polymorphisms in the 10-year risk prediction of incident coronary heart disease: The Rotterdam Study. **International Journal of Epidemiology**. 2015;44(2):682-8.

[13] Debette S, Ibrahim Verbaas CA, Bressler J, Schuur M, Smith A, Bis JC, Davies G, Wolf C, Gudnason V, Chibnik LB, Yang Q, DeStefano AL, De Quervain DJF, Srikanth V, Lahti J, Grabe HJ, Smith JA, Priebe L, Yu L, Karbalai N, Hayward C, Wilson JF, Campbell H, Petrovic K, Fornage M, Chauhan G, Yeo R, Boxall R, Becker J, Stegler O, Mather KA, Chouraki V, Sun Q, Rose LM, Resnick S, Oldmeadow C, Kirin M, Wright AF, Jonsdottir MK, Au R, Becker A, Amin N, Nalls MA, Turner ST, Kardia SLR, Oostra B, Windham G, Coker LH, Zhao W, Knopman DS, Heiss G, Griswold ME, Gottesman RF, Vitart V, Hastie ND, Zgaga L, Rudan I, Polasek O, Holliday EG, Schofield P, Choi SH, Tanaka T, An Y, Perry RT, Kennedy RE, Sale MM, Wang J, Wadley VG, Liewald DC, Ridker PM, Gow AJ, Pattie A, Starr JM, Porteous D, Liu X, Thomson R, Armstrong NJ, Eiriksdottir G, Assareh AA, Kochan NA, Widen E, Palotie A, Hsieh YC, Eriksson JG, Vogler C, Van Swieten JC, Shulman JM, Beiser A, Rotter J, Schmidt CO, Hoffmann W, Nöthen MM, Ferrucci L, Attia J, Uitterlinden AG, Amouyel P, Dartigues JF, Amieva H, Räikkönen K, Garcia M, Wolf PA, Hofman A, Longstreth WT, Jr., Psaty BM, Boerwinkle E, DeJager PL, Sachdev PS, Schmidt R, Breteler M, Teumer A, Lopez OL, Cichon S, Chasman DI, Grodstein F, Müller-Myhsok B, Tzourio C, Papassotiropoulos A, Bennett DA, Ikram MA, Deary IJ, Van Duijn CM, Launer L, Fitzpatrick AL, Seshadri S, Mosley TH, Jr. Genome-wide studies of verbal declarative memory in nondemented older people: The Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. **Biological Psychiatry**. 2015;77(8):749-63.

[14] Dijkstra AE, Smolonska J, Van Den Berge M, Wijmenga C, Zanen P, Luinge MA, Platteel M, Lammers JW, Dahlback M, Tosh K, Hiemstra PS, Sterk PJ, Spira A, Vestbo J, Nordestgaard BG, Benn M, Nielsen SF, Dahl M, Verschuren WM, Picavet HJ, Smit HA, Owsijewitsch M, Kauczor HU, De Koning HJ, Nizankowska-Mogilnicka E, Mejza F, Nastalek P, Van Diemen CC, Cho MH, Silverman EK, Crapo JD, Beaty TH, Lomas DA, Bakke P, Gulsvik A, Bossé Y, Obeidat M, Loth DW, Lahousse L, Rivadeneira F, Uitterlinden AG, Hofman A, Stricker BH, Brusselle GG, Van Duijn CM, Brouwer U, Koppelman GH,

Vonk JM, Nawijn MC, Groen HJM, Timens W, Boezen HM, Postma DS. Correction: Susceptibility to chronic mucus hypersecretion, a genome wide association study. **PLoS ONE**. 2015;10(5).

[15] Enneman AW, Swart KMA, van Wijngaarden JP, van Dijk SC, Ham AC, Brouwer-Brolsma EM, van der Zwaluw NL, Dhonukshe-Rutten RAM, van der Cammen TJM, de Groot LCPGM, van Meurs J, Lips P, Uitterlinden AG, Zillikens MC, van Schoor NM, van der Velde N. Effect of Vitamin B<sub>12</sub> and Folic Acid Supplementation on Bone Mineral Density and Quantitative Ultrasound Parameters in Older People with an Elevated Plasma Homocysteine Level: B-PROOF, a Randomized Controlled Trial. **Calcified Tissue International**. 2015;96(5):401-9.

[16] Evans DS, Cailotto F, Parimi N, Valdes AM, Castaño-Betancourt MC, Liu Y, Kaplan RC, Bidlingmaier M, Vasan RS, Teumer A, Tranah GJ, Nevitt MC, Cummings SR, Orwoll ES, Barrett-Connor E, Renner JB, Jordan JM, Doherty M, Doherty SA, Uitterlinden AG, Van Meurs JBJ, Spector TD, Lories RJ, Lane NE. Genome-wide association and functional studies identify a role for IGFBP3 in hip osteoarthritis. **Annals of the Rheumatic Diseases**. 2015;74(10):1861-7.

[17] Fedko IO, Hottenga JJ, Medina-Gomez C, Pappa I, van Beijsterveldt CEM, Ehli EA, Davies GE, Rivadeneira F, Tiemeier H, Swertz MA, Middeldorp CM, Bartels M, Boomsma DI. Estimation of Genetic Relationships Between Individuals Across Cohorts and Platforms: Application to Childhood Height. **Behavior Genetics**. 2015;45(5):514-28.

[18] Fretts AM, Follis JL, Nettleton JA, Lemaitre RN, Ngwa JS, Wojczynski MK, Kalafati IP, Varga TV, Frazier-Wood AC, Houston DK, Lahti J, Ericson U, Van Den Hooven EH, Mikkilä V, Kiefe-De Jong JC, Mozaffarian D, Rice K, Renström F, North KE, McKeown NM, Feitosa MF, Kanoni S, Smith CE, Garcia ME, Tiainen AM, Sonestedt E, Manichaikul A, Van Rooij FJA, Dimitriou M, Raitakari O, Pankow JS, Djoussé L, Province MA, Hu FB, Lai CQ, Keller MF, Perälä MM, Rotter JI, Hofman A, Graff M, Kähönen M, Mukamal K, Johansson I, Ordovas JM, Liu Y, Männistö S, Uitterlinden AG, Deloukas P, Seppälä I, Psaty BM, Cupples LA, Borecki IB, Franks PW, Arnett DK, Nalls MA, Eriksson JG, Orho-Melander M, Franco OH, Lehtimäki T, Dedoussis GV, Meigs JB, Siscovick DS. Consumption of meat is associated with higher fasting glucose and insulin concentrations regardless of glucose and insulin genetic risk scores: A meta-analysis of 50,345 Caucasians. **American Journal of Clinical Nutrition**. 2015;102(5):1266-78.

[19] Garcia AH, Franco OH, Voortman T, De Jonge EAL, Gordillo NG, Jaddoe VWV, Rivadeneira F, Van Den Hooven EH. Dietary acid load in early life and bone health in childhood: The Generation R Study. **American Journal of Clinical Nutrition**. 2015;102(6):1595-603.

[20] Goos JAC, van den Ouweland AMW, Swagemakers SMA, Verkerk AJMH, Hoogeboom AJM, van Veelen MLC, Mathijssen IMJ, van der Spek PJ. A novel mutation in FGFR2. *American Journal of Medical Genetics, Part A*. 2015;167(1):123-7.

[21] Gorski M, Tin A, Garnaas M, McMahon GM, Chu AY, Tayo BO, Pattaro C, Teumer A, Chasman DI, Chalmers J, Hamet P, Tremblay J, Woodward M, Aspelund T, Eiriksdottir G, Gudnason V, Harris TB, Launer LJ, Smith AV, Mitchell BD, O'Connell JR, Shuldiner AR, Coresh J, Li M, Freudenberger P, Hofer E, Schmidt H, Schmidt R, Holliday EG, Mitchell P, Wang JJ, De Boer IH, Li G, Siscovick DS, Kutalik Z, Corre T, Vollenweider P, Waeber G, Gupta J, Kanetsky PA, Hwang SJ, Olden M, Yang Q, De Andrade M, Atkinson EJ, Kardia SLR, Turner ST, Stafford JM, Ding J, Liu Y, Barlassina C, Cusi D, Salvi E, Staessen JA, Ridker PM, Grallert H, Meisinger C, Müller-Nurasyid M, Krämer BK, Kramer H, Rosas SE, Nolte IM, Penninx BW, Snieder H, Fabiola Del Greco M, Franke A, Nöthlings U, Lieb W, Bakker SJL, Gansevoort RT, Van Der Harst P, Dehghan A, Franco OH, Hofman A, Rivadeneira F, Sedaghat S, Uitterlinden AG, Coassin S, Haun M, Kollerits B, Kronenberg F, Paulweber B, Aumann N, Endlich K, Pietzner M, Völker U, Rettig R, Chouraki V, Helmer C, Lambert JC, Metzger M, Stengel B, Lehtimäki T, Lytikäinen LP,

Raitakari O, Johnson A, Parsa A, Bochud M, Heid IM, Goessling W, Köttgen A, Kao WHL, Fox CS, Böger CA. Genome-wide association study of kidney function decline in individuals of European descent. **Kidney International**. 2015;87(5):1017-29.

[22] Gottlieb DJ, Hek K, Chen TH, Watson NF, Eiriksdottir G, Byrne EM, Cornelis M, Warby SC, Bandinelli S, Cherkas L, Evans DS, Grabe HJ, Lahti J, Li M, Lehtimäki T, Lumley T, Marcianti KD, Pérusse L, Psaty BM, Robbins J, Tranah GJ, Vink JM, Wilk JB, Stafford JM, Bellis C, Biffar R, Bouchard C, Cade B, Curhan GC, Eriksson JG, Ewert R, Ferrucci L, Fülöp T, Gehrman PR, Goodloe R, Harris TB, Heath AC, Hernandez D, Hofman A, Hottenga JJ, Hunter DJ, Jensen MK, Johnson AD, Kähönen M, Kao L, Kraft P, Larkin EK, Lauderdale DS, Luik AI, Medici M, Montgomery GW, Palotie A, Patel SR, Pistis G, Porcu E, Quaye L, Raitakari O, Redline S, Rimm EB, Rotter JI, Smith AV, Spector TD, Teumer A, Uitterlinden AG, Vohl MC, Widen E, Willemsen G, Young T, Zhang X, Liu Y, Blangero J, Boomsma DI, Gudnason V, Hu F, Mangino M, Martin NG, O'Connor GT, Stone KL, Tanaka T, Viikari J, Gharib SA, Punjabi NM, Räikkönen K, Völzke H, Mignot E, Tiemeier H. Novel loci associated with usual sleep duration: The CHARGE Consortium Genome-Wide Association Study. **Molecular Psychiatry**. 2015;20(10):1232-9.

[23] Hägg S, Fall T, Ploner A, Mägi R, Fischer K, Draisma HHM, Kals M, De Vries PS, Dehghan A, Willems SM, Sarin AP, Kristiansson K, Nuotio ML, Havulinna AS, De Bruijn RFAG, Ikram MA, Kuningas M, Stricker BH, Franco OH, Benyamin B, Gieger C, Hall AS, Huikari V, Jula A, Järvelin MR, Kaakinen M, Kaprio J, Kobl M, Mangino M, Nelson CP, Palotie A, Samani NJ, Spector TD, Strachan DP, Tobin MD, Whitfield JB, Uitterlinden AG, Salomaa V, Syvänen AC, Kuulasmaa K, Magnusson PK, Esko T, Hofman A, De Geus EJC, Lind L, Giedraitis V, Perola M, Evans A, Ferrières J, Virtamo J, Kee F, Tregouet DA, Arveiler D, Amouyel P, Gianfagna F, Brambilla P, Ripatti S, Van Duijn CM, Metspalu A, Prokopenko I, McCarthy MI, Pedersen NL, Ingelsson E. Adiposity as a cause of cardiovascular disease: A Mendelian randomization study. **International Journal of Epidemiology**. 2015;44(2):578-86.

[24] Heppel DHM, Medina-Gomez C, Hofman A, Rivadeneira F, Jaddoe VVW. Does fetal smoke exposure affect childhood bone mass? The Generation R Study. **Osteoporosis International**. 2015;26(4):1319-29.

[25] Hoeven TA, Kavousi M, Ikram MA, van Meurs JB, Bindels PJ, Hofman A, Franco OH, Bierma-Zeinstra SM. Markers of atherosclerosis in relation to presence and progression of knee osteoarthritis: A population-based cohort study. **Rheumatology** (United Kingdom). 2015;54(9):1692-8.

[26] Hoeven TA, Leening MJG, Bindels PJ, Castañó-Betancourt M, Van Meurs JB, Franco OH, Kavousi M, Hofman A, Ikram MA, Witteman JCM, Bierma-Zeinstra SM. Disability and not osteoarthritis predicts cardiovascular disease: A prospective population-based cohort study. **Annals of the Rheumatic Diseases**. 2015;74(4):752-6.

[27] Huffman JE, Albrecht E, Teumer A, Mangino M, Kapur K, Johnson T, Kutalik Z, Pirastu N, Pistis G, Lopez LM, Haller T, Salo P, Goel A, Li M, Tanaka T, Dehghan A, Ruggiero D, Malerba G, Smith AV, Nolte IM, Portas L, Phipps-Green A, Boteva L, Navarro P, Johansson A, Hicks AA, Polasek O, Esko T, Peden JF, Harris SE, Murgia F, Wild SH, Tenesa A, Tin A, Mihailov E, Grotevendt A, Gislason GK, Coresh J, D'Adamo P, Ulivi S, Vollenweider P, Waeber G, Campbell S, Kolcic I, Fisher K, Viigimaa M, Metter JE, Masciullo C, Trabetti E, Bombieri C, Sorice R, Döring A, Reischl E, Strauch K, Hofman A, Uitterlinden AG, Waldenberger M, Wichmann HE, Davies G, Gow AJ, Dalbeth N, Stamp L, Smit JH, Kirin M, Nagaraja R, Nauck M, Schurmann C, Budde K, Farrington SM, Theodoratou E, Jula A, Salomaa V, Sala C, Hengstenberg C, Burnier M, Mägi R, Klopp N, Kloiber S, Schipf S, Ripatti S, Cabras S, Soranzo N, Homuth G, Nutile T, Munroe PB, Hastie N, Campbell H, Rudan I, Cabrera C, Haley C, Franco OH, Merriman TR, Gudnason V, Pirastu M, Penninx BW, Snieder H, Metspalu A, Ciullo M, Pramstaller PP,

Van Duijn CM, Ferrucci L, Gambaro G, Deary IJ, Dunlop MG, Wilson JF, Gasparini P, Gyllensten U, Spector TD, Wright AF, Hayward C, Watkins H, Perola M, Bochud M, Linda Kao WH, Caulfield M, Toniolo D, Völzke H, Gieger C, Köttgen A, Vitart V. Modulation of genetic associations with serum urate levels by body-mass-index in humans. **PLoS ONE**. 2015;10(3).

[28] Huffman JE, De Vries PS, Morrison AC, Sabater-Lleal M, Kacprowski T, Auer PL, Brody JA, Chasman DI, Chen MH, Guo X, Lin LA, Marioni RE, Müller-Nurasyid M, Yanek LR, Pankratz N, Grove ML, De Maat MPM, Cushman M, Wiggins KL, Qi L, Sennblad B, Harris SE, Polasek O, Riess H, Rivadeneira F, Rose LM, Goel A, Taylor KD, Teumer A, Uitterlinden AG, Vaidya D, Yao J, Tang W, Levy D, Waldenberger M, Becker DM, Folsom AR, Giulianini F, Greinacher A, Hofman A, Huang CC, Kooperberg C, Silveira A, Starr JM, Strauch K, Strawbridge RJ, Wright AF, McKnight B, Franco OH, Zakai N, Mathias RA, Psaty BM, Ridker PM, Tofler GH, Völker U, Watkins H, Fornage M, Hamsten A, Deary IJ, Boerwinkle E, Koenig W, Rotter JI, Hayward C, Dehghan A, Reiner AP, O'Donnell CJ, Smith NL. Rare and low-frequency variants and their association with plasma levels of fibrinogen, FVII, FVIII, and vWF. **Blood**. 2015;126(11):e19-e29.

[29] Jacobs LC, Hamer MA, Gunn DA, Deelen J, Lall JS, Van Heemst D, Uh HW, Hofman A, Uitterlinden AG, Griffiths CEM, Beekman M, Slagboom PE, Kayser M, Liu F, Nijsten T. A genome-wide association study identifies the skin color genes IRF4, MC1R, ASIP, and BNC2 influencing facial pigmented spots. **Journal of Investigative Dermatology**. 2015;135(7):1735-42.

[30] Jaspers L, Daan NMP, Van Dijk GM, Gazibara T, Muka T, Wen KX, Meun C, Zillikens MC, Roeters Van Lennep JE, Roos-Hesselink JW, Laan E, Rees M, Laven JSE, Franco OH, Kavousi M. Health in middle-aged and elderly women: A conceptual framework for healthy menopause. **Maturitas**. 2015;81(1):93-8.

[31] Kant SG, Cervenkova I, Balek L, Trantirek L, Santen G, De Vries MC, Van Duyvenvoorde HA, Van Der Wielen MJR, Verkerk AJMH, Uitterlinden AG, Hannema SE, Wit JM, Oostdijk W, Krejci P, Losekoot M. A novel variant of FGFR3 causes proportionate short stature. **European Journal of Endocrinology**. 2015;172(6):763-70.

[32] Kappen JH, Medina-Gomez C, Van Hagen PM, Stolk L, Estrada K, Rivadeneira F, Uitterlinden AG, Stanford MR, Ben-Chetrit E, Wallace GR, Soyul M, Van Laar JAM. Genome-wide association study in an admixed case series reveals IL12A as a new candidate in Behçet Disease. **PLoS ONE**. 2015;10(3).

[33] Kloosterman WP, Francioli LC, Hormozdiari F, Marschall T, Hehir-Kwa JY, Abdellaoui A, Lameijer EW, Moed MH, Koval V, Renkens I, Van Roosmalen MJ, Arp P, Karssen LC, Coe BP, Handsaker RE, Suchiman ED, Cuppen E, Thung DT, McVey M, Wendl MC, Uitterlinden A, Van Duijn CM, Swertz MA, Wijmenga C, Van Ommen GJB, Slagboom PE, Boomsma DI, Schönhuth A, Eichler EE, De Bakker PIW, Ye K, Guryev V, Van Ommen GJB, Bovenberg JA, De Craen AJM, Beekman M, Hofman A, Willemsen G, Wolfenbutter B, Platteeel M, Du Y, Chen R, Cao H, Cao R, Sun Y, Cao JS, Van Dijk F, Neerincx PBT, Deelen P, Dijkstra M, Byelas G, Kanterakis A, Bot J, Vermaat M, Laros JFJ, Den Dunnen JT, De Knijff P, Van Leeuwen EM, Amin N, Rivadeneira F, Estrada K, De Ligt J, Hottenga JJ, Kattenberg VM, Van Enckevort D, Mei H, Santcroos M, Van Schaik BDC, McCarroll SA, Ko A, Sudmant P, Nijman IJ. Characteristics of de novo structural changes in the human genome. **Genome Research**. 2015;25(6):792-801.

[34] Kreiner-Møller E, Medina-Gomez C, Uitterlinden AG, Rivadeneira F, Estrada K. Improving accuracy of rare variant imputation with a two-step imputation approach. **European Journal of Human Genetics**. 2015;23(3):395-400.

- [35] Leermakers ETM, Felix JF, Eler NS, Ćerimagić A, Wijtzes AI, Hofman A, Raat H, Moll HA, Rivadeneira F, Jaddoe VVW, Franco OH, Kiefte-de Jong JC. Sugar-containing beverage intake in toddlers and body composition up to age 6 years: The Generation R Study. **European Journal of Clinical Nutrition**. 2015;69(3):314-21.
- [36] Li Q, Wojciechowski R, Simpson CL, Hysi PG, Verhoeven VJM, Ikram MK, Höhn R, Vitart V, Hewitt AW, Oexle K, Mäkelä KM, MacGregor S, Pirastu M, Fan Q, Cheng CY, St Pourcain B, McMahon G, Kemp JP, Northstone K, Rahi JS, Cumberland PM, Martin NG, Sanfilippo PG, Lu Y, Wang YX, Hayward C, Polašek O, Campbell H, Bencic G, Wright AF, Wedenoja J, Zeller T, Schillert A, Mirshahi A, Lackner K, Yip SP, Yap MKH, Ried JS, Gieger C, Murgia F, Wilson JF, Fleck B, Yazar S, Vingerling JR, Hofman A, Uitterlinden A, Rivadeneira F, Amin N, Karssen L, Oostra BA, Zhou X, Teo YY, Tai ES, Vithana E, Barathi V, Zheng Y, Siantar RG, Neelam K, Shin Y, Lam J, Yonova-Doing E, Venturini C, Hosseini SM, Wong HS, Lehtimäki T, Kähönen M, Raitakari O, Timpson NJ, Evans DM, Khor CC, Aung T, Young TL, Mitchell P, Klein B, van Duijn CM, Meitinger T, Jonas JB, Baird PN, Mackey DA, Wong TY, Saw SM, Pärssinen O, Stambolian D, Hammond CJ, Klaver CCW, Williams C, Paterson AD, Bailey-Wilson JE, Guggenheim JA. Genome-wide association study for refractive astigmatism reveals genetic co-determination with spherical equivalent refractive error: the CREAM consortium. **Human Genetics**. 2015;134(2):131-46.
- [37] Liefwaard MC, Ligthart S, Vitezova A, Hofman A, Uitterlinden AG, Jong JCKD, Franco OH, Zillikens MC, Dehghan A. Vitamin D and C-reactive protein: A mendelian randomization study. **PLoS ONE**. 2015;10(7).
- [38] Ligthart S, De Vries PS, Uitterlinden AG, Hofman A, Franco OH, Chasman DI, 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, Paré G, Naitza S, Rudock ME, Surakka I, De Geus EJC, Alizadeh BZ, Guralnik JMD, Shuldiner A, Tanaka T, Zee RYL, Schnabel RB, Nambi V, Kavousi M, Ripatti S, Nauck M, Smith NL, Smith AV, Sundvall J, Scheet P, Liu Y, Ruokonen A, Rose LM, Larson MG, Hoogeveen RC, Freimer NB, Teumer A, Tracy RP, Launer LJ, Buring JE, Yamamoto JF, Folsom AR, Sijbrands EJJ, Pankow J, Elliott P, Keaney JF, Sun W, Sarin AP, Fontes JD, Badola S, Astor BC, Pouta A, Werda K, Greiser KH, Kuss O, Schwabedissen HEMZ, Thiery J, Jamshidi Y, Nolte IM, Soranzo N, Spector TD, Völzke 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, Willemssen G, Harris TB, Järvelin MR, Rice K, Radke D, Salomaa V, Van Dijk KW, Boerwinkle E, Vasani RS, Ferrucci L, Gibson QD, Bandinelli S, Snieder H, Boomsma DI, Xiao X, Campbell H, Hayward C, Pramstaller PP, Duijn CM, Peltonen L, Psaty BM, Gudnason V, Ridker PM, Homuth G, Koenig W, Ballantyne CM, Witteman JCM, Benjamin EJ, Perola M, Chasman DI. Pleiotropy among common genetic loci identified for cardiometabolic disorders and C-reactive protein. **PLoS ONE**. 2015;10(3).
- [39] Liu F, Visser M, Duffy DL, Hysi PG, Jacobs LC, Lao O, Zhong K, Walsh S, Chaitanya L, Wollstein A, Zhu G, Montgomery GW, Henders AK, Mangino M, Glass D, Bataille V, Sturm RA, Rivadeneira F, Hofman A, van Ijcken WFJ, Uitterlinden AG, Palstra RJTS, Spector TD, Martin NG, Nijsten TEC, Kayser M. Genetics of skin color variation in Europeans: genome-wide association studies with functional follow-up. **Human Genetics**. 2015;134(8):823-35.
- [40] Locke AE, Kahali B, Berndt SI, Justice AE, Pers TH, Day FR, Powell C, Vedantam S, Buchkovich ML, Yang J, Croteau-Chonka DC, Esko T, Fall T, Ferreira T, Gustafsson S, Kutalik Z, Luan J, Mägi R, Randall JC, Winkler TW, Wood AR, Workalemahu T, Faul JD, Smith JA, Zhao JH, Zhao W, Chen J, Fehrmann R, Hedman AK, Karjalainen J, Schmidt EM, Absher D, Amin N, Anderson D, Beekman M, Bolton JL, Bragg-Gresham JL, Buyske S, Demirkan A, Deng G, Ehret GB, Feenstra B, Feitosa MF, Fischer K, Goel A, Gong J, Jackson AU, Kanoni S, Kleber ME, Kristiansson K, Lim U, Lotay V, Mangino M, Leach IM, Medina-Gomez C, Medland SE, Nalls MA, Palmer CD, Pasko D, Pechlivanis S, Peters MJ,

Prokopenko I, Shungin D, Stančáková A, Strawbridge RJ, Sung YJ, Tanaka T, Teumer A, Trompet S, Van Der Laan SW, Van Setten J, Van Vliet-Ostaptchouk JV, Wang Z, Yengo L, Zhang W, Isaacs A, Albrecht E, Ärnlöv J, Arscott GM, Attwood AP, Bandinelli S, Barrett A, Bas IN, Bellis C, Bennett AJ, Berne C, Blagieva R, Blüher M, Böhringer S, Bonnycastle LL, Böttcher Y, Boyd HA, Bruinenberg M, Caspersen IH, Chen YDI, Clarke R, Daw EW, De Craen AJM, Delgado G, Dimitriou M, Doney ASF, Eklund N, Estrada K, Eury E, Folkersen L, Fraser RM, Garcia ME, Geller F, Giedraitis V, Gigante B, Go AS, Golay A, Goodall AH, Gordon SD, Gorski M, Grabe HJ, Grallert H, Grammer TB, Gräßler J, Grönberg H, Groves CJ, Gusto G, Haessler J, Hall P, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heard-Costa NL, Helmer Q, Hengstenberg C, Holmen O, Hottenga JJ, James AL, Jeff JM, Johansson A, Jolley J, Juliusdottir T, Kinnunen L, Koenig W, Koskenvuo M, Kratzer W, Laitinen J, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Lo KS, Lobbens S, Lorbeer R, Lu Y, Mach F, Magnusson PKE, Mahajan A, McArdle WL, McLachlan S, Menni C, Merger S, Mihailov E, Milani L, Moayyeri A, Monda KL, Morken MA, Mulas A, Müller G, Müller-Nurasyid M, Musk AW, Nagaraja R, Nöthen MM, Nolte IM, Pilz S, Rayner NW, Renstrom F, Rettig R, Ried JS, Ripke S, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Schumacher FR, Scott WR, Seufferlein T, Shi J, Smith AV, Smolonska J, Stanton AV, Steinthorsdottir V, Stirrups K, Stringham HM, Sundström J, Swertz MA, Swift AJ, Syvänen AC, Tan ST, Tayo BO, Thorand B, Thorleifsson G, Tyrer JP, Uh HW, Vandenput L, Verhulst FC, Vermeulen SH, Verweij N, Vonk JM, Waite LL, Warren HR, Waterworth D, Weedon MN, Wilkens LR, Willenborg C, Wilsgaard T, Wojczynski MK, Wong A, Wright AF, Zhang Q, Brennan EP, Choi M, Dastani Z, Drong AW, Eriksson P, Franco-Cereceda A, Gådin JR, Gharavi AG, Goddard ME, Handsaker RE, Huang J, Karpe F, Kathiresan S, Keildson S, Kiryluk K, Kubo M, Lee JY, Liang L, Lifton RP, Ma B, McCarroll SA, McKnight AJ, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt DR, Okada Y, Perry JRB, Dorajoo R, Reinmaa E, Salem RM, Sandholm N, Scott RA, Stolk L, Takahashi A, Tanaka T, Va't Hooft FM, Vinkhuyzen AAE, Westra HJ, Zheng W, Zondervan KT, Heath AC, Arveiler D, Bakker SJL, Beilby J, Bergman RN, Blangero J, Bovet P, Campbell H, Caulfield MJ, Cesana G, Chakravarti A, Chasman DI, Chines PS, Collins FS, Crawford DC, Cupples LA, Cusi D, Danesh J, De Faire U, Den Ruijter HM, Dominiczak AF, Erbel R, Erdmann J, Eriksson JG, Farrall M, Felix SB, Ferrannini E, Ferrières J, Ford I, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gejman PV, Gieger C, Gottesman O, Gudnason V, Gyllenstein U, Hall AS, Harris TB, Hattersley AT, Hicks AA, Hindorf LA, Hingorani AD, Hofman A, Homuth G, Hovingh GK, Humphries SE, Hunt SC, Hyppönen E, Illig T, Jacobs KB, Jarvelin MR, Jöckel KH, Johansen B, Jousilahti P, Jukema JW, Jula AM, Kaprio J, Kastelein JJP, Keinänen-Kiukaanniemi SM, Kiemeny LA, Knekt P, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Moll FL, Morris AD, Morris AP, Murray JC, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Madden PAF, Pasterkamp G, Peden JF, Peters A, Postma DS, Pramstaller PP, Price JF, Qi L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Rioux JD, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schunkert H, Schwarz PEH, Sever P, Shuldiner AR, Sinisalo J, Stolk RP, Strauch K, Tönjes A, Trégouët DA, Tremblay A, Tremoli E, Virtamo J, Vohl MC, Völker U, Waeber G, Willemsen G, Witteman JC, Zillikens MC, Adair LS, Amouyel P, Asselbergs FW, Assimes TL, Bochud M, Boehm BO, Boerwinkle E, Bornstein SR, Bottinger EP, Bouchard C, Cauchi S, Chambers JC, Chanock SJ, Cooper RS, De Bakker PIW, Dedoussis G, Ferrucci L, Franks PW, Froguel P, Groop LC, Haiman CA, Hamsten A, Hui J, Hunter DJ, Hveem K, Kaplan RC, Kivimäki M, Kuh D, Laakso M, Liu Y, Martin NG, März W, Melbye M, Metspalu A, Moebus S, Munroe PB, Njolstad I, Oostra BA, Palmer CNA, Pedersen NL, Perola M, Pérusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sattar N, Schadt EE, Schlessinger D, Slagboom PE, Snieder H, Spector TD, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, Van Der Harst P, Walker M, Wallaschowski H, Wareham NJ, Watkins H, Weir DR, Wichmann HE, Wilson JF, Zanen P, Borecki IB, Deloukas P, Fox CS, Heid IM, O'Connell JR, Strachan DP, Stefansson K, Van Duijn CM, Abecasis GR, Franke L, Frayling TM, McCarthy MI, Visscher PM, Scherag A, Willer CJ, Boehnke M, Mohlke KL, Lindgren CM, Beckmann JS, Barroso I, North KE, Ingelsson E, Hirschhorn JN, Loos Rjf, Speliotes EK. Genetic studies of body mass index yield new insights for obesity biology. **Nature**. 2015;518(7538):197-206.



- [41] Lunetta KL, Day FR, Sulem P, Ruth KS, Tung JY, Hinds DA, Esko T, Elks CE, Altmaier E, He C, Huffman JE, Mihailov E, Porcu E, Robino A, Rose LM, Schick UM, Stolk L, Teumer A, Thompson DJ, Traglia M, Wang CA, Yerges-Armstrong LM, Antoniou AC, Barbieri C, Coviello AD, Cucca F, Demerath EW, Dunning AM, Gandin I, Grove ML, Gudbjartsson DF, Hocking LJ, Hofman A, Huang J, Jackson RD, Karasik D, Kriebel J, Lange EM, Lange LA, Langenberg C, Li X, Luan J, Mägi R, Morrison AC, Padmanabhan S, Pirie A, Polasek O, Porteous D, Reiner AP, Rivadeneira F, Rudan I, Sala CF, Schlessinger D, Scott RA, Stöckl D, Visser JA, Völker U, Vozzi D, Wilson JG, Zygmont M, Boerwinkle E, Buring JE, Crisponi L, Easton DF, Hayward C, Hu FB, Liu S, Metspalu A, Pennell CE, Ridker PM, Strauch K, Streeten EA, Toniolo D, Uitterlinden AG, Ulivi S, Völzke H, Wareham NJ, Wellons M, Franceschini N, Chasman DI, Thorsteinsdottir U, Murray A, Stefansson K, Murabito JM, Ong KK, Perry JRB, Forouhi NG, Kerrison ND, Sharp SJ, Sims M, Barroso I, Deloukas P, McCarthy MI, Arriola L, Balkau B, Barricarte A, Boeing H, Franks PW, Gonzalez C, Grioni S, Kaaks R, Key TJ, Navarro C, Nilsson PM, Overvad K, Palli D, Panico S, Quirós JR, Rolandsson O, Sacerdote C, Sánchez MJ, Slimani N, Tjønneland A, Tumino R, Van Der A DL, Van Der Schouw YT, Riboli E, Smith BH, Campbell A, Deary IJ, McIntosh AM. Rare coding variants and X-linked loci associated with age at menarche. **Nature Communications**. 2015;6.
- [42] Medina-Gómez C, Chesi A, Heppe DHM, Zemel BS, Yin JL, Kalkwarf HJ, Hofman A, Lappe JM, Kelly A, Kayser M, Oberfield SE, Gilsanz V, Uitterlinden AG, Shepherd JA, Jaddoe VWV, Grant SFA, Lao O, Rivadeneira F. BMD loci contribute to ethnic and developmental differences in skeletal fragility across populations: Assessment of evolutionary selection pressures. **Molecular Biology and Evolution**. 2015;32(11):2961-72.
- [43] Medina-Gomez C, Felix JF, Estrada K, Peters MJ, Herrera L, Kruithof CJ, Duijts L, Hofman A, van Duijn CM, Uitterlinden AG, Jaddoe VWV, Rivadeneira F. Challenges in conducting genome-wide association studies in highly admixed multi-ethnic populations: the Generation R Study. **European Journal of Epidemiology**. 2015;30(4):317-30.
- [44] Muka T, Kieft-De Jong JC, Hofman A, Dehghan A, Rivadeneira F, Franco OH. Polyunsaturated fatty acids and serum C-reactive protein. **American Journal of Epidemiology**. 2015;181(11):846-56.
- [45] Muka T, Trajanoska K, Kieft-de Jong JC, Oei L, Uitterlinden AG, Hofman A, Dehghan A, Zillikens MC, Franco OH, Rivadeneira F. The association between metabolic syndrome, bone mineral density, hip bone geometry and fracture risk: The Rotterdam study. **PLoS ONE**. 2015;10(6).
- [46] Nettleton JA, Follis JL, Ngwa JS, Smith CE, Ahmad S, Tanaka T, Wojczynski MK, Voortman T, Lemaitre RN, Kristiansson K, Nuotio ML, Houston DK, Perälä MM, Qi Q, Sonestedt E, Manichaikul A, Kanoni S, Ganna A, Mikkilä V, North KE, Siscovick DS, Harald K, McKeown NM, Johansson I, Rissanen H, Liu Y, Lahti J, Hu FB, Bandinelli S, Rukh G, Rich S, Booij L, Dimitriou M, Ax E, Raitakari O, Mukamal K, Männistö S, Hallmans G, Jula A, Ericson U, Jacobs DR, A. Van Rooij FJ, Deloukas P, Sjögren P, Kähönen M, Djousse L, Perola M, Barroso I, Hofman A, Stirrups K, Viikari J, Uitterlinden AG, Kalafati IP, Franco OH, Mozaffarian D, Salomaa V, Borecki IB, Knekt P, Kritchevsky SB, Eriksson JG, Dedoussis GV, Qi L, Ferrucci L, Orho-Melander M, Carola Zillikens M, Ingelsson E, Lehtimäki T, Renström F, Adrienne Cupples L, Loos RJ, Franks PW. Gene × dietary pattern interactions in obesity: Analysis of up to 68 317 adults of European ancestry. **Human Molecular Genetics**. 2015;24(16):4728-38.
- [47] Nikpay M, Goel A, Won HH, Hall LM, Willenborg C, Kanoni S, Saleheen D, Kyriakou T, Nelson CP, Chopewell J, Webb TR, Zeng L, Dehghan A, Alver M, Marmasu S, Auro K, Bjorntjes A, Chasman DI, Chen S, Ford I, Franceschini N, Gieger C, Grace C, Gustafsson S, Huang J, Hwang SJ, Kim YK, Kleber ME, Lau KW, Lu X, Lu Y, Lyytikäinen LP, Mihailov E, Morrison AC, Pervjakova N, Qu L, Rose LM, Salfati E, Saxena R, Scholz M, Smith AV, Tikkanen E, Uitterlinden A, Yang X, Zhang W, Zhao W, De Andrade M, De Vries PS, Van Zuydam NR, Anand SS, Bertram L, Beutner F, Dedoussis G, Frossard P, Gauduier D, Goodall AH, Gottesman O, Haber M, Han BG, Huang J, Jalilzadeh S, Kessler T, König IR, Lannfelt L,

Lieb W, Lind L, Mlindgren C, Lokki ML, Magnusson PK, Mallick NH, Mehra N, Meitinger T, Memon FUR, Morris AP, Nieminen MS, Pedersen NL, Peters A, Rallidis LS, Rasheed A, Samuel M, Shah SH, Sinisalo J, Estirrup K, Trompet S, Wang L, Zaman KS, Ardissino D, Boerwinkle E, Borecki IB, Bottinger EP, Buring JE, Chambers JC, Collins R, Cupples L, Danesh J, Demuth I, Elosua R, Epstein SE, Esko T, Feitosa MF, Franco OH, Franzosi MG, Granger CB, Gu D, Gudnason V, Shall A, Hamsten A, Harris TB, Lhazen S, Hengstenberg C, Hofman A, Ingelsson E, Iribarren C, Jukema JW, Karhunen PJ, Kim BJ, Kooner JS, Kullo IJ, Lehtimäki T, Loos RJF, Melander O, Metspalu A, März W, Palmer CN, Perola M, Quertermous T, Rader DJ, Ridker PM, Ripatti S, Roberts R, Salomaa V, Sanghera DK, Schwartz SM, Seedorf U, Stewart AF, Stott DJ, Thiery J, Zalloua PA, O'Donnell CJ, Reilly MP, Assimes TL, Thompson JR, Erdmann J, Clarke R, Watkins H, Kathiresan S, McPherson R, Deloukas P, Schunkert H, Samani NJ, Farrall M. A comprehensive 1000 Genomes-based genome-wide association meta-analysis of coronary artery disease. **Nature Genetics**. 2015;47(10):1121-30.

[48] Noordam R, Direk N, Sitlani CM, Aarts N, Tiemeier H, Hofman A, Uitterlinden AG, Psaty BM, Stricker BH, Visser LE. Identifying genetic loci associated with antidepressant drug response with drug-gene interaction models in a population-based study. *Journal of Psychiatric Research*. 2015;62:31-7.

[49] Oei L, Rivadeneira F, Zillikens MC, Oei EHG. Diabetes, Diabetic Complications, and Fracture Risk. **Current Osteoporosis Reports**. 2015;13(2):106-15.

[50] Oostdijk W, Idkowiak J, Mueller JW, House PJ, Taylor AE, O'Reilly MW, Hughes BA, De Vries MC, Kant SG, Santen GWE, Verkerk AJMH, Uitterlinden AG, Wit JM, Losekoot M, Arlt W. PAPSS2 deficiency causes androgen excess via impaired DHEA sulfation-in vitro and in vivo studies in a family harboring two novel PAPSS2 mutations. **Journal of Clinical Endocrinology and Metabolism**. 2015;100(4):E672-E80.

[51] Pappa I, Fedko IO, Mileva-Seitz VR, Hottenga JJ, Bakermans-Kranenburg MJ, Bartels M, Van Beijsterveldt CEM, Jaddoe VWV, Middeldorp CM, Rippe RCA, Rivadeneira F, Tiemeier H, Verhulst FC, Van Ijzendoorn MH, Boomsma DI. Single Nucleotide Polymorphism Heritability of Behavior Problems in Childhood: Genome-Wide Complex Trait Analysis. **Journal of the American Academy of Child and Adolescent Psychiatry**. 2015;54(9):737-44.

[52] Pasquali E, García-Borrón JC, Fargnoli MC, Gandini S, Maisonneuve P, Bagnardi V, Specchia C, Liu F, Kayser M, Nijsten T, Nagore E, Kumar R, Hansson J, Kanetsky PA, Ghiorzo P, Debniak T, Branicki W, Gruis NA, Han J, Dwyer T, Blizzard L, Landi MT, Palmieri G, Ribas G, Stratigos A, Council ML, Autier P, Little J, Newton-Bishop J, Sera F, Raimondi S, Caini S, Hofman A, Uitterlinden AG, Scherer D, Hoiom V, Pastorino L, Cochrane J, Fernandez-De-Misa R, Morling N, Johansen P, Pfeiffer R, Kypreou K, Bowcock A, Cornelius L, Motokawa T, Anno S, Helsing P, Andresen PA, Wong TH. MC1R variants increased the risk of sporadic cutaneous melanoma in darker-pigmented Caucasians: A pooled-analysis from the M-SKIP project. **International Journal of Cancer**. 2015;136(3):618-31.

[53] Paternoster L, Standl M, Waage J, Baurecht H, Hotze M, Strachan DP, Curtin JA, Bønnelykke K, Tian C, Takahashi A, Esparza-Gordillo J, Alves AC, Thyssen JP, Den Dekker HT, Ferreira MA, Altmaier E, Sleiman PMA, Xiao FL, Gonzalez JR, Marenholz I, Kalb B, Pino-Yanes M, Xu CJ, Carstensen L, Groen-Blokhuis MM, Venturini C, Pennell CE, Barton SJ, Levin AM, Curjuric I, Bustamante M, Kreiner-Møller E, Lockett GA, Bacelis J, Bunyavanich S, Myers RA, Matanovic A, Kumar A, Tung JY, Hirota T, Kubo M, McArdle WL, Henderson AJ, Kemp JP, Zheng J, Smith GD, Rüschenhoff F, Bauerfeind A, Lee-Kirsch MA, Arnold A, Homuth G, Schmidt CO, Mangold E, Cichon S, Keil T, Rodríguez E, Peters A, Franke A, Lieb W, Novak N, Fölster-Holst R, Horikoshi M, Pekkanen J, Seberty S, Husemoen LL, Grarup N, De Jongste JC, Rivadeneira F, Hofman A, Jaddoe VWV, Pasmans SGMA, Elbert NJ, Uitterlinden AG, Marks GB, Thompson PJ, Matheson MC, Robertson CF, Ried JS, Li J, Zuo XB, Zheng XD, Yin XY, Sun LD,

McAleer MA, O'Regan GM, Fahy CMR, Campbell LE, Macek M, Kurek M, Hu D, Eng C, Postma DS, Feenstra B, Geller F, Hottenga JJ, Middeldorp CM, Hysi P, Bataille V, Spector T, Tiesler CMT, Thiering E, Pahukasahasram B, Yang JJ, Imboden M, Huntsman S, Vilor-Tejedor N, Relton CL, Myhre R, Nystad W, Custovic A, Weiss ST, Meyers DA, Söderhäll C, Melén E, Ober C, Raby BA, Simpson A, Jacobsson B, Holloway JW, Bisgaard H, Sunyer J, Probst-Hensch NM, Williams LK, Godfrey KM, Wang CA, Boomsma DI, Melbye M, Koppelman GH, Jarvis D, McLean WHI, Irvine AD, Zhang XJ, Hakonarson H, Gieger C, Burchard EG, Martin NG, Duijts L, Linneberg A, Jarvelin MR, Nöthen MM, Lau S, Hübner N, Lee YA, Tamari M, Hinds DA, Glass D, Brown SJ, Heinrich J, Evans DM, Weidinger S. Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. **Nature Genetics**. 2015;47(12):1449-56.

[54] Peters MJ, Joehanes R, Pilling LC, Schurmann C, Conneely KN, Powell J, Reinmaa E, Sutphin GL, Zhernakova A, Schramm K, Wilson YA, Kobes S, Tukiainen T, Ramos YF, Göring HHH, Fornage M, Liu Y, Gharib SA, Stranger BE, De Jager PL, Aviv A, Levy D, Murabito JM, Munson PJ, Huan T, Hofman A, Uitterlinden AG, Rivadeneira F, Van Rooij J, Stolk L, Broer L, Verbiest MMPJ, Jhamai M, Arp P, Metspalu A, Tserel L, Milani L, Samani NJ, Peterson P, Kasela S, Codd V, Peters A, Ward-Caviness CK, Herder C, Waldenberger M, Roden M, Singmann P, Zeilinger S, Illig T, Homuth G, Grabe HJ, Völzke H, Steil L, Kocher T, Murray A, Melzer D, Yaghootkar H, Bandinelli S, Moses EK, Kent JW, Curran JE, Johnson MP, Williams-Blangero S, Westra HJ, McRae AF, Smith JA, Kardia SLR, Hovatta I, Perola M, Ripatti S, Salomaa V, Henders AK, Martin NG, Smith AK, Mehta D, Binder EB, Nylocks KM, Kennedy EM, Klengel T, Ding J, Suchy-Dacey AM, Enquobahrie DA, Brody J, Rotter JI, Chen YDI, Houwing-Duistermaat J, Kloppenburg M, Slagboom PE, Helmer Q, Den Hollander W, Bean S, Raj T, Bakhshi N, Wang QP, Oyston LJ, Psaty BM, Tracy RP, Montgomery GW, Turner ST, Blangero J, Meulenbelt I, Ressler KJ, Yang J, Franke L, Kettunen J, Visscher PM, Neely GG, Korstanje R, Hanson RL, Prokisch H, Ferrucci L, Esko T, Teumer A, Van Meurs JBJ, Johnson AD, Nalls MA, Hernandez DG, Cookson MR, Gibbs RJ, Hardy J, Ramasamy A, Zonderman AB, Dillman A, Traynor B, Smith C, Longo DL, Trabzuni D, Troncoso J, Van Der Brug M, Weale ME, O'Brien R, Johnson R, Walker R, Zielke RH, Arepalli S, Ryten M, Singleton AB. The transcriptional landscape of age in human peripheral blood. **Nature Communications**. 2015;6.

[55] Peyrot WJ, Lee SH, Milaneschi Y, Abdellaoui A, Byrne EM, Esko T, De Geus EJC, Hemani G, Hottenga JJ, Kloiber S, Levinson DF, Lucae S, Martin NG, Medland SE, Metspalu A, Milani L, Nothen MM, Potash JB, Rietschel M, Rietveld CA, Ripke S, Shi J, Willemsen G, Zhu Z, Boomsma DI, Wray NR, Penninx BWJH, Lewis CM, Hamilton SP, Weissman MM, Breen G, Blackwood DH, Cichon S, Heath AC, Holsboer F, Madden PA, McGuffin P, Muglia P, Pergadia ML, Lin D, Müller-Myhsok B, Steinberg S, Grabe HJ, Lichtenstein P, Magnusson P, Perlis RH, Preisig M, Smoller JW, Stefansson K, Uher R, Kutalik Z, Tansey KE, Teumer A, Viktorin A, Barnes MR, Bettecken T, Binder EB, Breuer R, Castro VM, Churchill SE, Coryell WH, Craddock N, Craig IW, Czamara D, Degenhardt F, Farmer AE, Fava M, Frank J, Gainer VS, Gallagher PJ, Gordon SD, Goryachev S, Gross M, Guipponi M, Henders AK, Herms S, Hickie IB, Hoefels S, Hoogendijk W, Iosifescu DV, Ising M, Jones I, Jones L, Jung-Ying T, Knowles JA, Kohane IS, Kohli MA, Korszun A, Landen M, Lawson WB, Lewis G, Macintyre D, Maier W, Mattheisen M, McGrath PJ, McIntosh A, McLean A, Middeldorp CM, Middleton L, Montgomery GM, Murphy SN, Nauck M, Nolen WA, Nyholt DR, O'Donovan M, Oskarsson H, Pedersen N, Scheftner WA, Schulz A, Schulze TG, Shyn SI, Sigurdsson E, Slager SL, Smit JH, Stefansson H, Steffens M, Thorgeirsson T, Tozzi F, Treutlein J, Uhr M, Van Den Oord EJ, Van Grootheest G, Völzke H, Weilburg JB, Willemsen G, Zitman FG, Neale B, Daly M, Sullivan PF, Agrawal A, Albrecht E, Z Alizadeh B, Allik J, Amin N, Attia JR, Bandinelli S, Barnard J, Bastardot F, E Baumeister S, Beauchamp J, Benjamin DJ, Benke KS, Bennett DA, Berger K, Bielak LF, Bierut LJ, Boatman JA, Boyle PA, Bültmann U, Campbell H, Cesarini D, Chabris CF, Cherkas L, Chung MK, Conley D, Cucca F, Davey-Smith G, Davies G, De Andrade M, De Jager PL, De Leeuw C, De Neve JE, Deary IJ, Dedoussis GV, Deloukas P, Derringer J, Dimitriou M, Eiriksdottir G, Eklund N, Elderson MF, Eriksson JG, Evans DS, Evans DM, Faul JD, Fehrmann R, Ferrucci L, Fischer K, Franke L, Garcia ME, Gieger C, Gjessing HK, Groenen PJF, Grönberg H, Gudnason V, Hägg S, Hall P,

Harris JR, Harris JM, Harris TB, Hastie ND, Hayward C, Heath AC, Hernandez DG, Hoffmann W, Hofman A, Hofman A, Holle R, Holliday EG, Holzapfel C, Iacono WG, Ibrahim-Verbaas CA, Illig T, Ingelsson E, Jacobsson B, Järvelin MR, Jhun MA, Johannesson M, Joshi PK, Jugessur A, Kaakinen M, Kähönen M, Kanoni S, Kaprio J, Kardina SLR, Karjalainen J, Kirkpatrick RM, Koellinger PD, Kolcic I, Kowgier M, Kristiansson K, Krueger RF, Kutalik Z, Lahti J, Laibson D, Latvala A, Launer LJ, Lawlor DA, Lethimäki T, Li J, Lichtenstein P, Lichtner PK, Liewald DC, Lin P, Lind PA, Liu Y, Lohman K, Loitfelder M, Madden PA, Magnusson PKE, Mäkinen TE, Vidal PM, Martin NW, Masala M, McGue M, McMahon G, Meirelles O, Meyer MN, Mielck A, Milani L, Miller MB, Montgomery GW, Mukherjee S, Myhre R, Nuotio ML, Nyholt DR, J Oldmeadow C, Oostra BA, Palmer LJ, Palotie A, Perola M, Petrovic KE, Peyser PA, Polašek O, Posthuma D, Preisig M, Quaye L, Rääkkönen K, Raitakari OT, Realo A, Reinmaa E, Rice JP, Ring SM, Ripatti S, Rivadeneira F, Rizzi TS, Rudan I, Rustichini A, Salomaa V, Sarin AP, Schlessinger D, Schmidt H, Schmidt R, Scott RJ, Shakhbazov K, Smith AV, Smith JA, Snieder H, St Pourcain B, Starr JM, Sul JH, Surakka I, Svento R, Tanaka T, Terracciano A, Teumer A, Thurik AR, Tiemeier H, Timpson NJ, Uitterlinden AG, Van Der Loos MJHM, Van Duijn CM, Van Rooij FJA, Van Wagoner DR, Vartiainen E, Viikari J, Visscher PM, Vitart V, Vollenweider PK, Völzke H, Vonk JM, Waeber G, Weir DR, Wellmann J, Westra HJ, Wichmann HE, Widen E, Wilson JF, Wright AF, Yang J, Yu L, Zhao W. The association between lower educational attainment and depression owing to shared genetic effects? Results in ~25 000 subjects. **Molecular Psychiatry**. 2015;20(6):735-43.

[56] Plompen EP, Hansen BE, Schouten JN, Darwish Murad S, Loth DW, Brouwer WP, Isaacs A, Taimr P, Hofman A, van Duijn CM, Uitterlinden AG, Stricker BH, Leebeek FW, Janssen HL. Interferon gamma receptor 2 gene variants are associated with liver fibrosis in the general population: the Rotterdam Study. **Gut**. 2015;64(4):692-4.

[57] Plompen EPC, Darwish Murad S, Hansen BE, Loth DW, Schouten JNL, Taimr P, Hofman A, Uitterlinden AG, Stricker BH, Janssen HLA, Leebeek FWG. Prothrombotic genetic risk factors are associated with an increased risk of liver fibrosis in the general population: The Rotterdam Study. **Journal of Hepatology**. 2015;63(6):1459-65.

[58] Reinthaler EM, Dejanovic B, Lal D, Semtner M, Merkler Y, Reinhold A, Pittrich DA, Hotzy C, Feucht M, Steinböck H, Gruber-Sedlmayr U, Ronen GM, Neophytou B, Geldner J, Haberlandt E, Muhle H, Ikram MA, Van Duijn CM, Uitterlinden AG, Hofman A, Altmüller J, Kawalia A, Toliat MR, Nürnberg P, Lerche H, Nothnagel M, Thiele H, Sander T, Meier JC, Schwarz G, Neubauer BA, Zimprich F. Rare variants in  $\gamma$ -aminobutyric acid type A receptor genes in rolandic epilepsy and related syndromes. **Annals of Neurology**. 2015;77(6):972-86.

[59] Reppe S, Noer A, Grimholt RM, Halldórsson BV, Medina-Gomez C, Gautvik VT, Olstad OK, Berg JP, Datta H, Estrada K, Hofman A, Uitterlinden AG, Rivadeneira F, Lyle R, Collas P, Gautvik KM. Methylation of bone SOST, its mRNA, and serum sclerostin levels correlate strongly with fracture risk in postmenopausal women. **Journal of Bone and Mineral Research**. 2015;30(2):249-56.

[60] Rietveld CA, Esko T, Davies G, Pers TH, Turley P, Benyamin B, Chabris CF, Emilsson V, Johnson AD, Lee JJ, De Leeuw C, Marioni RE, Medland SE, Miller MB, Rostapshova O, Van Der Lee SJ, Vinkhuyzen AAE, Amin N, Conley D, Derringer J, Van Duijn CM, Fehrmann R, Franke L, Glaeser EL, Hansell NK, Hayward C, Iacono WG, Ibrahim-Verbaas C, Jaddoe V, Karjalainen J, Laibson D, Lichtenstein P, Liewald DC, Magnusson PKE, Martins NG, McGue M, McMahon G, Pedersen NL, Pinker S, Porteous DJ, Posthuma D, Rivadeneira F, Smith BH, Starr JM, Tiemeier H, Timpson NJ, Trzaskowski M, Uitterlinden AG, Verhulst FC, Ward ME, Wright MJ, Smith GD, Deary IJ, Johannesson M, Plomin R, Visscher PM, Benjamin DJ, Cesarini D, Koellinger PD. Erratum: Common genetic variants associated with cognitive performance identified using the proxy-phenotype method (Proc Natl Acad Sci USA (2014) 111 (13790-13794) DOI: 10.1073/pnas.1404623111). **Proceedings of the National Academy of Sciences of the United States of America**. 2015;112(4):e380.

[61] Robinson MR, Hemani G, Medina-Gomez C, Mezzavilla M, Esko T, Shakhbazov K, Powell JE, Vinkhuyzen A, Berndt SI, Gustafsson S, Justice AE, Kahali B, Locke AE, Pers TH, Vedantam S, Wood AR, Van Rheenen W, Andreassen OA, Gasparini P, Metspalu A, Van Den Berg LH, Veldink JH, Rivadeneira F, Werge TM, Abecasis GR, Boomsma DI, Chasman DI, De Geus EJC, Frayling TM, Hirschhorn JN, Hottenga JJ, Ingelsson E, Loos RJF, Magnusson PKE, Martin NG, Montgomery GW, North KE, Pedersen NL, Spector TD, Speliotes EK, Goddard ME, Yang J, Visscher PM. Population genetic differentiation of height and body mass index across Europe. **Nature Genetics**. 2015;47(11):1357-61.

[62] Saberi Hosnijeh F, Runhaar J, Van Meurs JBJ, Bierma-Zeinstra SM. Biomarkers for osteoarthritis: Can they be used for risk assessment? A systematic review. **Maturitas**. 2015;82(1):36-49.

[63] Sanchez-Juan P, Bishop MT, Kovacs GG, Calero M, Aulchenko YS, Ladogana A, Boyd A, Lewis V, Ponto C, Calero O, Poleggi A, Carracedo Á, Van Der Lee SJ, Ströbel T, Rivadeneira F, Hofman A, Haik S, Combarros O, Berciano J, Uitterlinden AG, Collins SJ, Budka H, Brandel JP, Laplanche JL, Pocchiari M, Zerr I, Knight RSG, Will RG, Van Duijn CM. A genome wide association study links glutamate receptor pathway to sporadic Creutzfeldt-Jakob disease risk. **PLoS ONE**. 2015;10(4).

[64] Schultheiss UT, Teumer A, Medici M, Li Y, Daya N, Chaker L, Homuth G, Uitterlinden AG, Nauck M, Hofman A, Selvin E, Völzke H, Peeters RP, Köttgen A. A genetic risk score for thyroid peroxidase antibodies associates with clinical thyroid disease in community-based populations. **Journal of Clinical Endocrinology and Metabolism**. 2015;100(5):E799-E807.

[65] Shungin D, Winkler TW, Croteau-Chonka DC, Ferreira T, Locke AE, Mägi R, Strawbridge RJ, Pers TH, Fischer K, Justice AE, Workalemahu T, Wu JMW, Buchkovich ML, Heard-Costa NL, Roman TS, Drong AW, Song C, Gustafsson S, Day FR, Esko T, Fall T, Kutalik Z, Luan J, Randall JC, Scherag A, Vedantam S, Wood AR, Chen J, Fehrmann R, Karjalainen J, Kahali B, Liu CT, Schmidt EM, Absher D, Amin N, Anderson D, Beekman M, Bragg-Gresham JL, Buyske S, Demirkan A, Ehret GB, Feitosa MF, Goel A, Jackson AU, Johnson T, Kleber ME, Kristiansson K, Mangino M, Leach IM, Medina-Gomez C, Palmer CD, Pasko D, Pechlivanis S, Peters MJ, Prokopenko I, Stanca'kova A, Sung YJ, Tanaka T, Teumer A, Van Vliet-Ostaptchouk JV, Yengo L, Zhang W, Albrecht E, Ärnlöv J, Arscott GM, Bandinelli S, Barrett A, Bellis C, Bennett AJ, Berne C, Blüher M, Böhringer S, Bonnet F, Böttcher Y, Bruinenberg M, Carba DB, Caspersen IH, Clarke R, Daw EW, Deelen J, Deelman E, Delgado G, Doney ASF, Eklund N, Erdos MR, Estrada K, Eury E, Friedrich N, Garcia ME, Giedraitis V, Gigante B, Go AS, Golay A, Grallert H, Grammer TB, Gräsler J, Grewal J, Groves CJ, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heikkilä K, Herzig KH, Helmer Q, Hillege HL, Holmen O, Hunt SC, Isaacs A, Ittermann T, James AL, Johansson I, Juliusdottir T, Kalafati IP, Kinnunen L, Koenig W, Kooner IK, Kratzer W, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Lobbens S, Lorentzon M, Mach F, Magnusson PKE, Mahajan A, McArdle WL, Menni C, Merger S, Mihailov E, Milani L, Mills R, Moayyeri A, Monda KL, Mooijaart SP, Mühleisen TW, Mulas A, Müller G, Müller-Nurasyid M, Nagaraja R, Nalls MA, Narisu N, Glorioso N, Nolte IM, Olden M, Rayner NW, Renstrom F, Ried JS, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Sennblad B, Seufferlein T, Sitlani CM, Smith AV, Stirrups K, Stringham HM, Sundström J, Swertz MA, Swift AJ, Syvänen AC, Tayo BO, Thorand B, Thorleifsson G, Tomaschitz A, Troffa C, Van Oort FVA, Verweij N, Vonk JM, Waite LL, Wennauer R, Wilsgaard T, Wojczynski MK, Wong A, Zhang Q, Zhao JH, Brennan EP, Choi M, Eriksson P, Folkersen L, Franco-Cereceda A, Gharavi AG, Hedman AK, Hivert MF, Huang J, Kanoni S, Karpe F, Keildson S, Kiryluk K, Liang L, Lifton RP, Ma B, McKnight AJ, McPherson R, Metspalu A, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt DR, Olsson C, Perry JRB, Reinmaa E, Salem RM, Sandholm N, Schadt EE, Scott RA, Stolk L, Vallejo EE, Westra HJ, Zondervan KT, Amouyel P, Arveiler D, Bakker SJL, Beilby J, Bergman RN, Blangero J, Brown MJ, Burnier M, Campbell H, Chakravarti A, Chines PS, Claudi-Boehm S, Collins FS, Crawford DC, Danesh J, De Faire U, De Geus EJC, Dörr M, Erbel R, Eriksson JG, Farrall M, Ferrannini E,

Ferrières J, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gieger C, Gudnason V, Haiman CA, Harris TB, Hattersley AT, Heliövaara M, Hicks AA, Hingorani AD, Hoffmann W, Hofman A, Homuth G, Humphries SE, Hyppönen E, Illig T, Jarvelin MR, Johansen B, Jousilahti P, Jula AM, Kaprio J, Kee F, Keinänen-Kiukaanniemi SM, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuulasmaa K, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Musk AW, Möhlenkamp S, Morris AD, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Palmer LJ, Penninx BW, Peters A, Pramstaller PP, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schwarz PEH, Shuldiner AR, Staessen JA, Steinthorsdottir V, Stolk RP, Strauch K, Tönjes A, Tremblay A, Tremoli E, Vohl MC, Völker U, Vollenweider P, Wilson JF, Witteman JC, Adair LS, Bochud M, Boehm BO, Bornstein SR, Bouchard C, Cauchi S, Caulfield MJ, Chambers JC, Chasman DI, Cooper RS, Dedoussis G, Ferrucci L, Froguel P, Grabe HJ, Hamsten A, Hui J, Hveem K, Jöckel KH, Kivimäki M, Kuh D, Laakso M, Liu Y, März W, Munroe PB, Njolstad I, Oostra BA, Palmer CNA, Pedersen NL, Perola M, Pe'russe L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sinisalo J, Slagboom PE, Snieder H, Spector TD, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, Van Der Harst P, Veronesi G, Walker M, Wareham NJ, Watkins H, Wichmann HE, Abecasis GR, Assimes TL, Berndt SI, Boehnke M, Borecki IB, Deloukas P, Franke L, Frayling TM, Groop LC, Hunter DJ, Kaplan RC, O'Connell JR, Qi L, Schlessinger D, Strachan DP, Stefansson K, Van Duijn CM, Willer CJ, Visscher PM, Yang J, Hirschhorn JN, Zillikens MC, McCarthy MI, Speliotes EK, North KE, Fox CS, Barroso I, Franks PW, Ingelsson E, Heid IM, Loos RJF, Cupples LA, Morris AP, Lindgren CM, Mohlke KL. New genetic loci link adipose and insulin biology to body fat distribution. **Nature**. 2015;518(7538):187-97.

[66] Sikorska K, Montazeri NM, Uitterlinden A, Rivadeneira F, Eilers PHC, Lesaffre E. GWAS with longitudinal phenotypes: Performance of approximate procedures. **European Journal of Human Genetics**. 2015;23(10):1384-91.

[67] Springelkamp H, Iglesias AI, Cuellar-Partida G, Amin N, Burdon KP, van Leeuwen EM, Gharahkhani P, Mishra A, van der Lee SJ, Hewitt AW, Rivadeneira F, Viswanathan AC, Wolfs RCW, Martin NG, Ramdas WD, van Koolwijk LM, Pennell CE, Vingerling JR, Mountain JE, Uitterlinden AG, Hofman A, Mitchell P, Lemij HG, Wang JJ, Klaver CCW, Mackey DA, Craig JE, van Duijn CM, MacGregor S. ARHGEF12 influences the risk of glaucoma by increasing intraocular pressure. **Human Molecular Genetics**. 2015;24(9):2689-99.

[68] Springelkamp H, Mishra A, Hysi PG, Gharahkhani P, Höhn R, Khor CC, Cooke Bailey JN, Luo X, Ramdas WD, Vithana E, Koh V, Yazar S, Xu L, Forward H, Kearns LS, Amin N, Iglesias AI, Sim KS, van Leeuwen EM, Demirkan A, van der Lee S, Loon SC, Rivadeneira F, Nag A, Sanfilippo PG, Schillert A, de Jong PTVM, Oostra BA, Uitterlinden AG, Hofman A, Zhou T, Burdon KP, Spector TD, Lackner KJ, Saw SM, Vingerling JR, Teo YY, Pasquale LR, Wolfs RCW, Lemij HG, Tai ES, Jonas JB, Cheng CY, Aung T, Jansonius NM, Klaver CCW, Craig JE, Young TL, Haines JL, Macgregor S, Mackey DA, Pfeiffer N, Wong TY, Wiggs JL, Hewitt AW, van Duijn CM, Hammond CJ, Allingham RR, Brilliant MH, Budenz DL, Bailey JNC, Christen WG, Fingert J, Gaasterland D, Gaasterland T, Hauser MA, Kang JH, Kraft P, Lee RK, Lichter PA, Liu Y, Loomis SJ, Moroi SE, Pericak-Vance MA, Realini A, Richards JE, Schuman JS, Scott WK, Singh K, Sit AJ, Vollrath D, Weinreb RN, Wollstein G, Zack DJ, Zhang K. Meta-analysis of Genome-Wide Association Studies Identifies Novel Loci Associated With Optic Disc Morphology. **Genetic Epidemiology**. 2015;39(3):207-16.

[69] Tagliabue E, Fagnoli MC, Gandini S, Maisonneuve P, Liu F, Kayser M, Nijsten T, Han J, Kumar R, Gruis NA, Ferrucci L, Branicki W, Dwyer T, Blizzard L, Helsing P, Autier P, García-Borrón JC, Kanetsky PA, Landi MT, Little J, Newton-Bishop J, Sera F, Raimondi S, Raimondi S, Autier P, Fagnoli MC, García-Borrón JC, Han J, Kanetsky PA, Landi MT, Little J, Newton-Bishop J, Sera F, Caini S, Gandini S, Maisonneuve P, Hofman A, Kayser M, Liu F, Nijsten T, Uitterlinden AG, Kumar R, Scherer D, Nagore E,

Hansson J, Hoiom V, Ghiorzo P, Pastorino L, Gruis NA, Bavinck JNB, Aguilera P, Badenas C, Carrera C, Malveyh J, Mateu MP, Puig S, Puig-Butille JA, Tell G, Dwyer T, Blizzard L, Cochrane J, Fernandez-De-Misa R, Branicki W, Debniak T, Morling N, Johansen P, Mayne S, Bale A, Cartmel B, Ferrucci L, Pfeiffer R, Palmieri G, Ribas G, Stratigos A, Kypreou K, Bowcock A, Cornelius L, Council ML, Motokawa T, Anno S, Helsing P, Andresen PA, Wong TH, Berwick M, Orlow I, Mujumdar U, Hummer A, Busam K, Roy P, Canchola R, Clas B, Cotignola J, Monroe Y, Armstrong B, Kricker A, Litchfield M, Dwyer T, Tucker P, Stephens N, Gallagher R, Switzer T, Marrett L, Theis B, From L, Chowdhury N, Vanasse L, Purdue M, Northrup D, Zanetti R, Rosso S, Sacerdote C, Anton-Culver H, Leighton N, Gildea M, Gruber S, Bonner J, Jeter J, Klotz J, Wilcox H, Weiss H, Millikan R, Thomas N, Mattingly D, Player J, Tse CK, Rebbeck T, Kanetsky PP, Walker A, Panossian S, Mohrenweiser H, Setlow R. MC1R gene variants and non-melanoma skin cancer: A pooled-analysis from the M-SKIP project. **British Journal of Cancer**. 2015;113(2):354-63.

[70] Valkenburg O, Van Santbrink EJP, König TE, Themmen APN, Uitterlinden AG, Fauser BCJM, Lambalk CB, Laven JSE. Follicle-stimulating hormone receptor polymorphism affects the outcome of ovulation induction in normogonadotropic (World Health Organization class 2) anovulatory subfertility. **Fertility and Sterility**. 2015;103(4):1081-8.e3.

[71] Van Den Broek M, Leermakers ETM, Jaddoe VWV, Steegers EAP, Rivadeneira F, Raat H, Hofman A, Franco OH, Kiefte-De Jong JC. Maternal dietary patterns during pregnancy and body composition of the child at age 6 y: The Generation R Study. **American Journal of Clinical Nutrition**. 2015;102(4):873-80.

[72] van den Hooven EH, Heppe DHM, Kiefte-de Jong JC, Medina-Gomez C, Moll HA, Hofman A, Jaddoe VWV, Rivadeneira F, Franco OH. Infant dietary patterns and bone mass in childhood: the Generation R Study. **Osteoporosis International**. 2015;26(5):1595-604.

[73] Van Der Knaap LJ, Riese H, Hudziak JJ, Verbiest MMPJ, Verhulst FC, Oldehinkel AJ, Van Oort FVA. Adverse life events and allele-specific methylation of the serotonin transporter gene (SLC6A4) in adolescents. **Psychosomatic Medicine**. 2015;77(3):246-55.

[74] Van Der Lee SJ, Holstege H, Wong TH, Jakobsdottir J, Bis JC, Chouraki V, Van Rooij JGJ, Grove ML, Smith AV, Amin N, Choi SH, Beiser AS, Garcia ME, Van Ijcken WFJ, Pijnenburg YAL, Louwersheimer E, Brouwer RWW, Van Den Hout MCGN, Oole E, Eiriksdottir G, Levy D, Rotter JI, Emilsson V, O'Donnell CJ, Aspelund T, Uitterlinden AG, Launer LJ, Hofman A, Boerwinkle E, Psaty BM, DeStefano AL, Scheltens P, Seshadri S, Van Swieten JC, Gudnason V, Van Der Flier WM, Ikram MA, Van Duijn CM. PLD3 variants in population studies. **Nature**. 2015;520(7545):E2-E3.

[75] Van Dijk SC, Enneman AW, Swart KMA, Van Wijngaarden JP, Ham AC, Brouwer-Brolsma EM, Van Der Zwaluw NL, Blom HJ, Feskens EJ, Geleijnse JM, Van Schoor NM, Dhonukshe-Rutten RAM, De Jongh RT, Lips P, De Groot LCPGM, Uitterlinden AG, Smulders YM, Van Den Meiracker AH, Mattace Raso FUS, Van Der Velde N. Effects of 2-year vitamin B12 and folic acid supplementation in hyperhomocysteinemic elderly on arterial stiffness and cardiovascular outcomes within the B-PROOF trial. **Journal of Hypertension**. 2015;33(9):1897-906.

[76] van Dijk SC, Sohl E, Oudshoorn C, Enneman AW, Ham AC, Swart KM, van Wijngaarden JP, Brouwer-Brolsma EM, van der Zwaluw NL, Uitterlinden AG, de Groot LC, Dhonukshe-Rutten RA, Lips P, van Schoor NM, Blom HJ, Geleijnse JM, Feskens EJ, Smulders YM, Zillikens MC, de Jongh RT, van den Meiracker AH, Raso FU, van der Velde N. Non-linear associations between serum 25-OH vitamin D and indices of arterial stiffness and arteriosclerosis in an older population. **Age and ageing**. 2015;44(1):136-42.

[77] van Dijk SC, Swart KMA, Ham AC, Enneman AW, van Wijngaarden JP, Feskens EJ, Geleijnse JM, de Jongh RT, Blom HJ, Dhonukshe-Rutten RAM, de Groot LCPGM, van Schoor NM, Lips P, Uitterlinden AG, Mattace Raso FUS, Smulders YM, van den Meiracker AH, van der Velde N. Physical fitness, activity and hand-grip strength are not associated with arterial stiffness in older individuals. **Journal of Nutrition, Health and Aging**. 2015;19(7):779-84.

[78] Van Leeuwen EM, Karssen LC, Deelen J, Isaacs A, Medina-Gomez C, Mbarek H, Kanterakis A, Trompet S, Postmus I, Verweij N, Van Enckevort DJ, Huffman JE, White CC, Feitosa MF, Bartz TM, Manichaikul A, Joshi PK, Peloso GM, Deelen P, Van Dijk F, Willemsen G, De Geus EJ, Milaneschi Y, Penninx BWJH, Francioli LC, Menelaou A, Pulit SL, Rivadeneira F, Hofman A, Oostra BA, Franco OH, Leach IM, Beekman M, De Craen AJM, Uh HW, Trochet H, Hocking LJ, Porteous DJ, Sattar N, Packard CJ, Buckley BM, Brody JA, Bis JC, Rotter JI, Mychaleckyj JC, Campbell H, Duan Q, Lange LA, Wilson JF, Hayward C, Polasek O, Vitart V, Rudan I, Wright AF, Rich SS, Psaty BM, Borecki IB, Kearney PM, Stott DJ, Cupples LA, Jukema JW, Van Der Harst P, Sijbrands EJ, Hottenga JJ, Uitterlinden AG, Swertz MA, Van Ommen GJB, De Bakker PIW, Eline Slagboom P, Boomsma DI, Wijmenga C, Van Duijn CM, Neerincx PBT, Elbers CC, Palamara PF, Peer I, Abdellaoui A, Kloosterman WP, Van Oven M, Vermaat M, Li M, Laros JFJ, Stoneking M, De Knijff P, Kayser M, Veldink JH, Van Den Berg LH, Byelas H, Den Dunnen JT, Dijkstra M, Amin N, Van Der Velde KJ, Van Setten J, Kattenberg M, Van Schaik BDC, Bot J, Nijman IJ, Mei H, Koval V, Ye K, Lameijer EW, Moed MH, Hehir-Kwa JY, Handsaker RE, Sunyaev SR, Sohail M, Hormozdiari F, Marschall T, Schönhuth A, Guryev V, Suchiman HED, Wolffenbuttel BH, Platteel M, Pitts SJ, Potluri S, Cox DR, Li Q, Li Y, Du Y, Chen R, Cao H, Li N, Cao S, Wang J, Bovenberg JA. Genome of the Netherlands population-specific imputations identify an ABCA6 variant associated with cholesterol levels. **Nature Communications**. 2015;6.

[79] Veldhuis-Vlug AG, Oei L, Souverein PC, Tanck MWT, Rivadeneira F, Zillikens MC, Kamphuisen PW, Maitland - van der Zee AH, de Groot MCH, Hofman A, Uitterlinden AG, Fliers E, de Boer A, Bisschop PH. Association of polymorphisms in the beta-2 adrenergic receptor gene with fracture risk and bone mineral density. **Osteoporosis International**. 2015;26(7):2019-27.

[80] Verhaaren BFJ, DeBette S, Bis JC, Smith JA, Ikram MK, Adams HH, Beecham AH, Rajan KB, Lopez LM, Barral S, Van Buchem MA, Van Der Grond J, Smith AV, Hegenscheid K, Aggarwal NT, De Andrade M, Atkinson EJ, Beekman M, Beiser AS, Blanton SH, Boerwinkle E, Brickman AM, Bryan RN, Chauhan G, Chen CPLH, Chouraki V, De Craen AJM, Crivello F, Deary IJ, Deelen J, De Jager PL, Dufouil C, Elkind MSV, Evans DA, Freudenberger P, Gottesman RF, Gunason V, Habes M, Heckbert SR, Heiss G, Hilal S, Hofer E, Hofman A, Ibrahim-Verbaas CA, Knopman DS, Lewis CE, Liao J, Liewald DCM, Luciano M, Van Der Lugt A, Martinez OO, Mayeux R, Mazoyer B, Nalls M, Nauck M, Niessen WJ, Oostra BA, Psaty BM, Rice KM, Rotter JI, Von Sarnowski B, Schmidt H, Schreiner PJ, Schuur M, Sidney SS, Sigurdsson S, Slagboom PE, Stott DJM, Van Swieten JC, Teumer A, Töglhofer AM, Traylor M, Trompet S, Turner ST, Tzourio C, Uh HW, Uitterlinden AG, Vernooij MW, Wang JJ, Wong TY, Wardlaw JM, Windham BG, Wittfeld K, Wolf C, Wright CB, Yang Q, Zhao W, Zijdenbos A, Jukema JW, Sacco RL, Kardina SLR, Amouyel P, Mosley TH, Longstreth WT, DeCarli CC, Van Duijn CM, Schmidt R, Launer LJ, Grabe HJ, Seshadri SS, Ikram MA, Fornage M. Multiethnic Genome-Wide Association Study of Cerebral White Matter Hyperintensities on MRI. **Circulation: Cardiovascular Genetics**. 2015;8(2):398-409.

[81] Verkouteren JAC, Pardo LM, Uitterlinden AG, Hofman A, Nijsten T. Common Variants Affecting Susceptibility to Develop Multiple Basal Cell Carcinomas. **Journal of Investigative Dermatology**. 2015;135(8):2135-8.

[82] Versmissen J, Oosterveer DM, Yazdanpanah M, Dehghan A, Hólm H, Erdman J, Aulchenko YS, Thorleifsson G, Schunkert H, Huijgen R, Vongpromek R, Uitterlinden AG, Defesche JC, Van Duijn CM, Mulder M, Dadd T, Karlsson HD, Ordovas J, Kindt I, Jarman A, Hofman A, Van Vark-Van Der Zee L, Blommesteijn-Touw AC, Kwekkeboom J, Liem AH, Van Der Ouderaa FJ, Calandra S, Bertolini S, Aversa



M, Langslet G, Ose L, Ros E, Almagro F, De Leeuw PW, Civeira F, Masana L, Pintó X, Simoons ML, Schinkel AFL, Green MR, Zwinderman AH, Johnson KJ, Schaefer A, Neil A, Witteman JCM, Humphries SE, Kastelein JJP, Sijbrands EJG. Identifying genetic risk variants for coronary heart disease in familial hypercholesterolemia: An extreme genetics approach. **European Journal of Human Genetics**. 2015;23(3):381-7.

[83] Verwoert GC, Hofland J, Amin N, Mattace-Raso FUS, Sijbrands EJG, Hofman A, Van Den Meiracker AH, Uitterlinden AG, Van Duijn CM, De Jong FH, Jan Danser AH. Expression and gene variation studies deny association of human HSD3B1 gene with aldosterone production or blood pressure. **American Journal of Hypertension**. 2015;28(1):113-20.

[84] Vitezova A, Cartolano NS, Heeringa J, Zillikens MC, Hofman A, Franco OH, Kiefte-de Jong JC. Vitamin D and the risk of atrial fibrillation - The Rotterdam study. **PLoS ONE**. 2015;10(5).

[85] Vitezova A, Zillikens MC, Van Herpt TTW, Sijbrands EJG, Hofman A, Uitterlinden AG, Franco OH, Kiefte-De Jong JC. Vitamin D status and metabolic syndrome in the elderly: The Rotterdam Study. **European Journal of Endocrinology**. 2015;172(3):327-35.

[86] Vojinovic D, Adams HHH, Van Der Lee SJ, Ibrahim-Verbaas CA, Brouwer R, Van Den Hout MCGN, Oole E, Van Rooij J, Uitterlinden A, Hofman A, Van Ijcken WFJ, Aartsma-Rus A, Van Ommen GB, Ikram MA, Van Duijn CM, Amin N. The dystrophin gene and cognitive function in the general population. **European Journal of Human Genetics**. 2015;23(6):837-43.

[87] Wessel J, Chu AY, Willems SM, Wang S, Yaghootkar H, Brody JA, Dauriz M, Hivert MF, Raghavan S, Lipovich L, Hidalgo B, Fox K, Huffman JE, An P, Lu Y, Rasmussen-Torvik LJ, Grarup N, Ehm MG, Li L, Baldridge AS, Stančáková A, Abrol R, Besse C, Boland A, Bork-Jensen J, Fornage M, Freitag DF, Garcia ME, Guo X, Hara K, Isaacs A, Jakobsdottir J, Lange LA, Layton JC, Li M, Hua Zhao J, Meidtner K, Morrison AC, Nalls MA, Peters MJ, Sabater-Lleal M, Schurmann C, Silveira A, Smith AV, Southam L, Stoiber MH, Strawbridge RJ, Taylor KD, Varga TV, Allin KH, Amin N, Aponte JL, Aung T, Barbieri C, Bihlmeyer NA, Boehnke M, Bombieri C, Bowden DW, Burns SM, Chen Y, Chen YD, Cheng CY, Correa A, Czajkowski J, Dehghan A, Ehret GB, Eiriksdottir G, Escher SA, Farmaki AE, Frånberg M, Gambaro G, Giulianini F, Goddard WA, Goel A, Gottesman O, Grove ML, Gustafsson S, Hai Y, Hallmans G, Heo J, Hoffmann P, Ikram MK, Jensen RA, Jørgensen ME, Jørgensen T, Karaleftheri M, Khor CC, Kirkpatrick A, Kraja AT, Kuusisto J, Lange EM, Lee IT, Lee WJ, Leong A, Liao J, Liu C, Liu Y, Lindgren CM, Linneberg A, Malerba G, Mamakou V, Marouli E, Maruthur NM, Matchan A, McKean-Cowdin R, McLeod O, Metcalf GA, Mohlke KL, Muzny DM, Ntalla I, Palmer ND, Pasko D, Peter A, Rayner NW, Renström F, Rice K, Sala CF, Sennblad B, Serafetinidis I, Smith JA, Soranzo N, Speliotes EK, Stahl EA, Stirrups K, Tentolouris N, Thanopoulou A, Torres M, Traglia M, Tsafantakis E, Javad S, Yanek LR, Zengini E, Becker DM, Bis JC, Brown JB, Adrienne Cupples L, Hansen T, Ingelsson E, Karter AJ, Lorenzo C, Mathias RA, Norris JM, Peloso GM, Sheu WHH, Toniolo D, Vaidya D, Varma R, Wagenknecht LE, Boeing H, Bottinger EP, Dedoussis G, Deloukas P, Ferrannini E, Franco OH, Franks PW, Gibbs RA, Gudnason V, Hamsten A, Harris TB, Hattersley AT, Hayward C, Hofman A, Jansson JH, Langenberg C, Launer LJ, Levy D, Oostra BA, O'Donnell CJ, O'Rahilly S, Padmanabhan S, Pankow JS, Polasek O, Province MA, Rich SS, Ridker PM, Rudan I, Schulze MB, Smith BH, Uitterlinden AG, Walker M, Watkins H, Wong TY, Zeggini E, Laakso M, Borecki IB, Chasman DI, Pedersen O, Psaty BM, Shyong Tai E, Van Duijn CM, Wareham NJ, Waterworth DM, Boerwinkle E, Linda Kao WH, Florez JC, Loos RJF, Wilson JG, Frayling TM, Siscovick DS, Dupuis J, Rotter JI, Meigs JB, Scott RA, Goodarzi MO. Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility. **Nature Communications**. 2015;6.

[88] Westra HJ, Arends D, Esko T, Peters MJ, Schurmann C, Schramm K, Kettunen J, Yaghootkar H, Fairfax BP, Andiappan AK, Li Y, Fu J, Karjalainen J, Platteel M, Visschedijk M, Weersma RK, Kasela S, Milani L, Tserel L, Peterson P, Reinmaa E, Hofman A, Uitterlinden AG, Rivadeneira F, Homuth G,

Petersmann A, Lorbeer R, Prokisch H, Meitinger T, Herder C, Roden M, Grallert H, Ripatti S, Perola M, Wood AR, Melzer D, Ferrucci L, Singleton AB, Hernandez DG, Knight JC, Melchionni R, Lee B, Poidinger M, Zozzi F, Larbi A, Wang DY, van den Berg LH, Veldink JH, Rotzschke O, Makino S, Salomaa V, Strauch K, Völker U, van Meurs JBJ, Metspalu A, Wijmenga C, Jansen RC, Franke L. Cell Specific eQTL Analysis without Sorting Cells. **PLoS Genetics**. 2015;11(5).

[89] Wong TH, Chiu WZ, Breedveld GJ, Li KW, Verkerk AJMH, Hondius D, Hukema RK, Seelaar H, Frick P, Severijnen LA, Lammers GJ, Lebbink JHG, Van Duinen SG, Kamphorst W, Rozemuller AJ, Bakker EB, Neumann M, Willemsen R, Bonifati V, Smit AB, Van Swieten J. Erratum: PRKAR1B mutation associated with a new neurodegenerative disorder with unique pathology (Brain (2014) 137 (1361-1373) DOI: 10.1093/brain/awu067). **Brain**. 2015;138(2):e331.

[90] Wong TH, Verkerk AJ, Rozemuller AJ, Willemsen R, Neumann M, Bonifati V, van Swieten J. Reply: PRKAR1B mutations are a rare cause of FUS negative neuronal intermediate filament inclusion disease. **Brain : a journal of neurology**. 2015;138:e358.

[91] Zheng HF, Forgetta V, Hsu YH, Estrada K, Rosello-Diez A, Leo PJ, Dahia CL, Park-Min KH, Tobias JH, Kooperberg C, Kleinman A, Styrkarsdottir U, Liu CT, Uggla C, Evans DS, Nielson CM, Walter K, Pettersson-Kymmer U, McCarthy S, Eriksson J, Kwan T, Jhamai M, Trajanoska K, Memari Y, Min J, Huang J, Danecek P, Wilmot B, Li R, Chou WC, Mokry LE, Moayyeri A, Claussnitzer M, Cheng CH, Cheung W, Medina-Gómez C, Ge B, Chen SH, Choi K, Oei L, Fraser J, Kraaij R, Hibbs MA, Gregson CL, Paquette D, Hofman A, Wibom C, Tranah GJ, Marshall M, Gardiner BB, Cremin K, Auer P, Hsu L, Ring S, Tung JY, Thorleifsson G, Enneman AW, Van Schoor NM, De Groot LCPGM, Van Der Velde N, Melin B, Kemp JP, Christiansen C, Sayers A, Zhou Y, Calderari S, Van Rooij J, Carlson C, Peters U, Berlivet S, Dostie J, Uitterlinden AG, Williams SR, Farber C, Grinberg D, LaCroix AZ, Haessler J, Chasman DI, Giulianini F, Rose LM, Ridker PM, Eisman JA, Nguyen TV, Center JR, Nogue X, Garcia-Giralt N, Launer LL, Gudnason V, Mellström D, Vandenput L, Amin N, Van Duijn CM, Karlsson MK, Ljunggren O, Svensson O, Hallmans G, Rousseau F, Giroux S, Bussière J, Arp PP, Koromani F, Prince RL, Lewis JR, Langdahl BL, Hermann AP, Jensen JEB, Kaptoge S, Khaw KT, Reeve J, Formosa MM, Xuereb-Anastasi A, Åkesson K, McGuigan FE, Garg G, Olmos JM, Zarrabeitia MT, Riancho JA, Ralston SH, Alonso N, Jiang X, Goltzman D, Pastinen T, Grundberg E, Gauguier D, Orwoll ES, Karasik D, Davey-Smith G, Smith AV, Siggeirsdottir K, Harris TB, Zillikens MC, Van Meurs JBJ, Thorsteinsdottir U, Maurano MT, Timpson NJ, Soranzo N, Durbin R, Wilson SG, Ntzani EE, Brown MA, Stefansson K, Hinds DA, Spector T, Cupples LA, Ohlsson C, Greenwood CMT, Jackson RD, Rowe DW, Loomis CA, Evans DM, Ackert-Bicknell CL, Joyner AL, Duncan EL, Kiel DP, Rivadeneira F, Richards JB. Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. **Nature**. 2015;526(7571):112-7.

[92] Structural Brain Alterations in Community Dwelling Individuals with Chronic Joint Pain. de Kruijf M, Bos D, Huygen FJ, Niessen WJ, Tiemeier H, Hofman A, Uitterlinden AG, Vernooij MW, Ikram MA, van Meurs JB. **AJNR Am J Neuroradiol**. 2015 Nov 5

[93] Steenaard RV, Ligthart S, Stolk L, Peters MJ, van Meurs JB, Uitterlinden AG, Hofman A, Franco OH, Dehghan A. Tobacco smoking is associated with methylation of genes related to coronary artery disease. **Clin Epigenetics**. 2015 May 14;7(1):54.