

Publications

1. Li C, Stoma S, Lotta LA, Warner S, Albrecht E, Allione A, Arp PP, Broer L, Buxton JL, Da Silva Couto Alves A, Deelen J, Fedko IO, Gordon SD, Jiang T, Karlsson R, Kerrison N, Loe TK, Mangino M, Milanesechi Y, Miraglio B, Pervjakova N, Russo A, Surakka I, van der Spek A, Verhoeven JE, Amin N, Beekman M, Blakemore AI, Canzian F, Hamby SE, Hottenga JJ, Jones PD, Jousilahti P, Mägi R, Medland SE, Montgomery GW, Nyholt DR, Perola M, Pietiläinen KH, Salomaa V, Sillanpää E, Suchiman HE, van Heemst D, Willemsen G, Agudo A, Boeing H, Boomsma DI, Chirlaque MD, Fagherazzi G, Ferrari P, Franks P, Gieger C, Eriksson JG, Gunter M, Hägg S, Hovatta I, Imaz L, Kaprio J, Kaaks R, Key T, Krogh V, Martin NG, Melander O, Metspalu A, Moreno C, Onland-Moret NC, Nilsson P, Ong KK, Overvad K, Palli D, Panico S, Pedersen NL, Penninx BWJH, Quirós JR, Jarvelin MR, Rodríguez-Barranco M, Scott RA, Severi G, Slagboom PE, Spector TD, Tjønneland A, Trichopoulou A, Tumino R, Uitterlinden AG, van der Schouw YT, van Duijn CM, Weiderpass E, Denchi EL, **MATULLO G**, Butterworth AS, Danesh J, Samani NJ, Wareham NJ, Nelson CP, Langenberg C, Codd V. Genome-Wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere Length. *Am J Hum Genet.* 2020 Feb 20. pii: S0002-9297(20)30048-3. doi: 10.1016/j.ajhg.2020.02.006. [Epub ahead of print] PubMed PMID: 32109421.
2. Cocca M, Barbieri C, Concas MP, Robino A, Brumat M, Gandin I, Trudu M, Sala CF, Vuckovic D, Giroto G, **MATULLO G**, Polasek O, Kolčić I, Gasparini P, Soranzo N, Toniolo D, Mezzavilla M. A bird's-eye view of Italian genomic variation through whole-genome sequencing. *Eur J Hum Genet.* 2019 Nov 29. doi: 10.1038/s41431-019-0551-x. [Epub ahead of print] PubMed PMID: 31784700.
3. Antonio ML, Gao Z, Moots HM, Lucci M, Candilio F, Sawyer S, Oberreiter V, Calderon D, Devitofranceschi K, Aikens RC, Aneli S, Bartoli F, Bedini A, Cheronet O, Cotter DJ, Fernandes DM, Gasperetti G, Grifoni R, Guidi A, La Pastina F, Loreti E, Manacorda D, **MATULLO G**, Morretta S, Nava A, Fiocchi Nicolai V, Nomi F, Pavolini C, Pentiricci M, Pergola P, Piranmonte M, Schmidt R, Spinola G, Sperduti A, Rubini M, Bondioli L, Coppa A, Pinhasi R, Pritchard JK. Ancient Rome: A genetic crossroads of Europe and the Mediterranean. *Science.* 2019 Nov 8;366(6466):708-714. doi: 10.1126/science.aay6826. PubMed PMID: 31699931.
4. Clark DW, Okada Y, Moore KHS, Mason D, Pirastu N, Gandin I, Mattsson H, Barnes CLK, Lin K, Zhao JH, Deelen P, Rohde R, Schurmann C, Guo X, Giulianini F, Zhang W, Medina-Gomez C, Karlsson R, Bao Y, Bartz TM, Baumbach C, Biino G, Bixley MJ, Brumat M, Chai JF, Corre T, Cousminer DL, Dekker AM, Eccles DA, van Eijk KR, Fuchsberger C, Gao H, Germain M, Gordon SD, de Haan HG, Harris SE, Hofer E, Huerta-Chagoya A, Igartua C, Jansen IE, Jia Y, Kacprowski T, Karlsson T, Kleber ME, Li SA, Li-Gao R, Mahajan A, Matsuda K, Meidtnr K, Meng W, Montasser ME, van der Most PJ, Munz M, Nutile T, Palviainen T, Prasad G, Prasad RB, Priyanka TDS, Rizzi F, Salvi E, Sapkota BR, Shriner D, Skotte L, Smart MC, Smith AV, van der Spek A, Spracklen CN, Strawbridge RJ, Tajuddin SM, Trompet S, Turman C, Verweij N, Viberti C, Wang L, Warren HR, Wootton RE, Yanek LR, Yao J, Yousri NA, Zhao W, Adeyemo AA, Afaq S, Aguilar-Salinas CA, Akiyama M, Albert ML, Allison MA, Alver M, Aung T, Azizi F, Bentley AR, Boeing H, Boerwinkle E, Borja JB, de Borst GJ, Bottinger EP, Broer L, Campbell H, Chanock S, Chee ML, Chen G, Chen YI, Chen Z, Chiu YF, Cocca M, Collins FS, Concas MP, Corley J, Cugliari G, van Dam RM, Damulina A, Daneshpour MS, Day FR, Delgado GE, Dhana K, Doney ASF, Dörr M, Doumatey AP, Dzimiri N, Ebenesersdóttir SS, Elliott J, Elliott P, Ewert R, Felix JF, Fischer K, Freedman BI, Giroto G, Goel A, Gögele M, Goodarzi MO, Graff M, Granot-Hershkovitz E, Grodstein F, Guarrera S, Gudbjartsson DF, Guity K, Gunnarsson B, Guo Y, Hagenaars SP, Haiman CA, Halevy A, Harris TB, Hedayati M, van Heel DA, Hirata M, Höfer I, Hsiung CA, Huang J, Hung YJ, Ikram MA, Jagadeesan A, Jousilahti P, Kamatani Y, Kanai M, Kerrison N, Kessler T, Khaw KT, Khor CC, de Kleijn DPV, Koh WP, Kolcic I, Kraft P, Krämer BK, Kutalik Z, Kuusisto J, Langenberg C, Launer LJ, Lawlor DA, Lee IT, Lee WJ, Lerch MM, Li L, Liu J, Loh M, London SJ, Loomis S, Lu Y, Luan J, Mägi R, Manichaikul AW, Manunta P, Måsson G, Matoba N, Mei XW, Meisinger C, Meitinger T, Mezzavilla M, Milani L, Millwood IY, Momozawa Y, Moore A, Morange PE, Moreno-Macias H, Mori TA, Morrison AC, Muka T, Murakami Y, Murray AD, de Mutsert R, Mychaleckyj JC, Nalls MA, Nauck M, Neville MJ, Nolte IM, Ong KK, Orozco L, Padmanabhan S, Pálsson G, Pankow J, Pattaro C, Pattie A, Pattie A, Poulter N, Pramstaller PP, Quintana-Murci L, Rääkkönen K, Ralhan S, Rao DC, van Rheenen W, Rich SS, Ridker PM, Rietveld CA, Robino A, van Rooij FJA, Ruggiero D, Saba Y, Sabanayagam C, Sabater-Lleal M, Sala CF, Salomaa V, Sandow K, Schmidt H, Scott LJ, Scott WR, Sedaghati-Khayat B, Sennblad B, van Setten J, Sever PJ, Sheu WH, Shi Y, Shrestha S, Shukla SR, Sigurdsson JK, Sika TT, Singh JR, Smith BH, Stančáková A, Stanton A, Starr JM, Stefansson L, Straker L, Sulem P, Sveinbjornsson G, Swertz MA, Taylor AM, Taylor KM, Terzikhan N, Tham YC, Thorleifsson G, Thorsteinsdóttir U, Tillander A, Tracy RP, Tusié-Luna T, Tzoulaki I, Vaccargiu S, Vangipurapu J, Veldink JH, Vitart V, Völker U, Vuoksimaa E, Wakil SM, Waldenberger M, Wander GS, Wang YX, Wareham NJ, Wild S, Yajnik CS, Yuan JM, Zeng L, Zhang L, Zhou J, Amin N, Asselbergs FW, Bakker SJL, Becker DM, Lehne B, Bennett DA, van den Berg LH, Berndt SI, Bharadwaj D, Bielak LF, Bochud M, Boehnke M, Bouchard C, Bradfield JP, Brody JA, Campbell A, Carmi S, Caulfield MJ, Cesarini D, Chambers JC, Chandak GR, Cheng CY, Ciullo M, Cornelis M, Cusi D, Smith GD, Deary IJ, Dorajoo R, van Duijn CM, Ellinghaus D, Erdmann J, Eriksson JG, Evangelou E, Evans MK, Faul JD, Feenstra B, Feitosa M, Foisy S, Franke A, Friedlander Y, Gasparini P, Gieger C, Gonzalez C, Goyette P, Grant SFA, Griffiths LR, Groop L, Gudnason V, Gyllensten U, Hakonarson H, Hamsten A, van der Harst P, Heng CK, Hicks AA, Hochner H, Huikuri H, Hunt SC, Jaddoe VVW, De Jager PL, Johannesson M, Johansson A, Jonas JB, Jukema JW, Junttila J, Kaprio J, Kardina SLR, Karpe F, Kumari M, Laakso M, van der Laan SW, Lahti J, Laudes M, Lea RA, Lieb W, Lumley T, Martin NG, März W, **MATULLO G**, McCarthy MI, Medland SE, Merriman TR, Metspalu A, Meyer BF, Mohlke KL, Montgomery GW, Mook-Kanamori D, Munroe PB, North KE, Nyholt DR, O'Connell JR, Ober C, Oldehinkel AJ, Palmas W, Palmer C, Pasterkamp GG, Patin E, Pennell CE, Perusse L, Peyser PA, Pirastu M, Polderman TJC, Porteous DJ, Posthuma D, Psaty BM, Rioux JD, Rivadeneira F, Rotimi C, Rotter JI, Rudan I, Den Ruijter HM, Sanghera DK, Sattar N, Schmidt R, Schulze MB, Schunkert H, Scott RA, Shuldiner AR, Sim X, Small N, Smith JA, Sotoodehnia N, Tai ES, Teumer A, Timpson NJ, Toniolo D, Tregouet DA, Tuomi T, Vollenweider P, Wang CA, Weir DR, Whitfield JB, Wijmenga C, Wong TY, Wright J, Yang J, Yu L, Zemel BS, Zonderman AB, Perola M, Magnusson PKE, Uitterlinden AG, Kooner JS, Chasman DI, Loos RJF, Franceschini N, Franke L, Haley CS, Hayward C, Walters RG, Perry JRB, Esko T, Helgason A, Stefansson K, Joshi PK, Kubo M, Wilson JF. Associations of autozygosity with a broad range of human phenotypes. *Nat Commun.* 2019 Oct 31;10(1):4957. doi: 10.1038/s41467-019-12283-6. PubMed PMID: 31673082; PubMed Central PMCID: PMC6823371.
5. Schmidt AF, Holmes MV, Preiss D, Swerdlow DI, Denaxas S, Fatemifar G, Faraway R, Finan C, Valentine D, Fairhurst-Hunter Z, Hartwig FP, Horta BL, Hypponen E, Power C, Moldovan M, van Iperen E, Hovingh K, Demuth I, Norman K, Steinhagen-Thiessen E, Demuth J, Bertram L, Lill CM, Coassin S, Willeit J, Kiechl S, Willeit K, Mason D, Wright J, Morris R, Wanamethee G, Whincup P, Ben-Shlomo Y, McLachlan S, Price JF, Kivimäki M, Welch C, Sanchez-Galvez A, Marques-Vidal P, Nicolaides A, Panayiotou AG, Onland-Moret NC, van der Schouw YT, **MATULLO G**, Fiorito G, Guarrera S, Sacerdote C, Wareham NJ, Langenberg C, Scott RA, Luan J, Bobak M, Maljutina S, Paják A, Kubinova R, Tamosiunas A, Pikhart H, Garup N, Pedersen O, Hansen T, Linneberg A, Jess T, Cooper J, Humphries SE, Brilliant M, Kitchner T, Hakonarson H, Carrell DS, McCarty CA, Lester KH, Larson EB, Crosslin DR, de Andrade M, Roden DM, Denny JC, Carty C, Hancock S, Attia J, Holliday E, Scott R, Schofield P, O'Donnell M, Yusuf S, Chong M, Pare G, van der Harst P, Said MA, Eppinga RN, Verweij N, Snieder H; Lifelines Cohort authors, Christen T, Mook-Kanamori DO; ICBP Consortium, Gustafsson S, Lind L, Ingelsson E, Pazoki R, Franco O, Hofman A, Uitterlinden A, Dehghan A, Teumer A, Baumeister S, Dörr M, Lerch MM, Völker U, Völzke H, Ward J, Pell JP, Meade T, Christophersen IE, Maitland-van der Zee AH, Baranova EV, Young R, Ford I, Campbell A, Padmanabhan S, Bots ML, Grobbee DE, Froguel P, Thuillier D, Roussel R, Bonnefond A, Cariou B, Smart M, Bao Y,

- Kumari M, Mahajan A, Hopewell JC, Seshadri S; METASTROKE Consortium of the ISGC, Dale C, Costa RPE, Ridker PM, Chasman DI, Reiner AP, Ritchie MD, Lange LA, Cornish AJ, Dobbins SE, Hemminki K, Kinnersley B, Sanson M, Labreche K, Simon M, Bondy M, Law P, Speedy H, Allan J, Li N, Went M, Weinhold N, Morgan G, Sonneveld P, Nilsson B, Goldschmidt H, Sud A, Engert A, Hansson M, Hemingway H, Asselbergs FW, Patel RS, Keating BJ, Sattar N, Houlston R, Casas JP, Hingorani AD. Phenome-wide association analysis of LDL-cholesterol lowering genetic variants in PCSK9. *BMC Cardiovasc Disord.* 2019 Oct 29;19(1):240. doi: 10.1186/s12872-019-1187-z. PubMed PMID: 31664920; PubMed Central PMCID: PMC6820948.
6. Raveane A, Aneli S, Montinaro F, Athanasiadis G, Barlera S, Birolo G, Boncoraglio G, Di Blasio AM, Di Gaetano C, Pagani L, Parolo S, Paschou P, Piazza A, Stamatoyannopoulos G, Angius A, Brucato N, Cucca F, Hellenthal G, Mulas A, Peyret-Guzzon M, Zoledziewska M, Baali A, Bycroft C, Cherkaoui M, Chiaroni J, Di Cristofaro J, Dina C, Dugoujon JM, Galan P, Giemza J, Kivisild T, Mazieres S, Melhaoui M, Metspalu M, Myers S, Pereira L, Ricaut FX, Brisighelli F, Cardinali I, Grugni V, Lancioni H, Pascali VL, Torroni A, Semino O, **MATULLO G**, Achilli A, Olivieri A, Capelli C. Population structure of modern-day Italians reveals patterns of ancient and archaic ancestries in Southern Europe. *Sci Adv.* 2019 Sep 4;5(9):eaaw3492. doi: 10.1126/sciadv.aaw3492. eCollection 2019 Sep. PubMed PMID: 31517044; PubMed Central PMCID: PMC6726452.
7. Flex E, Martinelli S, Van Dijck A, Ciolfi A, Cecchetti S, Coluzzi E, Pannone L, Andreoli C, Radio FC, Pizzi S, Carpentieri G, Bruselles A, Catanzaro G, Pedace L, Miele E, Carcarino E, Ge X, Chijiwa C, Lewis MES, Meuwissen M, Kenis S, Van der Aa N, Larson A, Brown K, Wasserstein MP, Skotko BG, Begtrup A, Person R, Karayiorgou M, Roos JL, Van Gassen KL, Koopmans M, Bijlsma EK, Santen GWE, Barge-Schaapveld DQCM, Ruivenkamp CAL, Hoffer MJV, Lalani SR, Streff H, Craigen WJ, Graham BH, van den Elzen APM, Kamphuis DJ, Öunap K, Reinson K, Pajusalu S, Wojcik MH, Viberti C, Di Gaetano C, Bertini E, Petrucci S, De Luca A, Rota R, Ferretti E, **MATULLO G**, Dallapiccola B, Sgura A, Walkiewicz M, Kooy RF, Tartaglia M. Aberrant Function of the C-Terminal Tail of HIST1H1E Accelerates Cellular Senescence and Causes Premature Aging. *Am J Hum Genet.* 2019 Sep 5;105(3):493-508. doi: 10.1016/j.ajhg.2019.07.007. Epub 2019 Aug 22. PubMed PMID: 31447100; PubMed Central PMCID: PMC6731364.
8. Agha G, Mendelson MM, Ward-Caviness CK, Joehanes R, Huan T, Gondalia R, Salfati E, Brody JA, Fiorito G, Bressler J, Chen BH, Lighthart S, Guarrera S, Colicino E, Just AC, Wahl S, Gieger C, Vandiver AR, Tanaka T, Hernandez DG, Pilling LC, Singleton AB, Sacerdote C, Krogh V, Panico S, Tumino R, Li Y, Zhang G, Stewart JD, Floyd JS, Wiggins KL, Rotter JI, Multhaup M, Bakulski K, Horvath S, Tsao PS, Absher DM, Vokonas P, Hirschhorn J, Fallin MD, Liu C, Bandinelli S, Boerwinkle E, Dehghan A, Schwartz JD, Psaty BM, Feinberg AP, Hou L, Ferrucci L, Sotoodehnia N, **MATULLO G**, Peters A, Fornage M, Assimes TL, Whitset EA, Levy D, Baccarelli AA. Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. *Circulation.* 2019 Aug 20;140(8):645-657. doi: 10.1161/CIRCULATIONAHA.118.039357. Epub 2019 Aug 19. PubMed PMID: 31424985; PubMed Central PMCID: PMC6812683.
9. Betti M, Aspesi A, Sculco M, **MATULLO G**, Magnani C, Dianzani I. Genetic predisposition for malignant mesothelioma: A concise review. *Mutat Res.* 2019 Jul - Sep;781:1-10. doi: 10.1016/j.mrrev.2019.03.001. Epub 2019 Mar 6. Review. PubMed PMID: 31416570.
10. Fiorito G, McCrory C, Robinson O, Carmeli C, Rosales CO, Zhang Y, Colicino E, Dugué PA, Artaud F, McKay GJ, Jeong A, Mishra PP, Nøst TH, Krogh V, Panico S, Sacerdote C, Tumino R, Palli D, **MATULLO G**, Guarrera S, Gandini M, Bochud M, Dermitzakis E, Muka T, Schwartz J, Vokonas PS, Just A, Hodge AM, Giles GG, Southey MC, Hurme MA, Young I, McKnight AJ, Kunze S, Waldenberger M, Peters A, Schwettmann L, Lund E, Baccarelli A, Milne RL, Kenny RA, Elbaz A, Brenner H, Kee F, Voortman T, Probst-Hensch N, Lehtimäki T, Elliot P, Stringhini S, Vineis P, Polidoro S; BIOS Consortium; Lifepath Consortium. Socioeconomic position, lifestyle habits and biomarkers of epigenetic aging: a multi-cohort analysis. *Aging (Albany NY).* 2019 Apr 14;11(7):2045-2070. doi: 10.18632/aging.101900. PubMed PMID: 31009935; PubMed Central PMCID: PMC6503871.
11. Key TJ, Appleby PN, Bradbury KE, Sweeting M, Wood A, Johansson I, Kühn T, Steur M, Weiderpass E, Wennberg M, Lund Würtz AM, Agudo A, Andersson J, Arriola L, Boeing H, Boer JMA, Bonnet F, Boutron-Ruault MC, Cross AJ, Ericson U, Fagherazzi G, Ferrari P, Gunter M, Huerta JM, Katzke V, Khaw KT, Krogh V, La Vecchia C, **MATULLO G**, Moreno-Iribas C, Naska A, Nilsson LM, Olsen A, Overvad K, Palli D, Panico S, Molina-Portillo E, Quirós JR, Skeie G, Sluijs I, Sonestedt E, Stepien M, Tjønneland A, Trichopoulou A, Tumino R, Tzoulaki I, van der Schouw YT, Verschuren WMM, di Angelantonio E, Langenberg C, Forouhi N, Wareham N, Butterworth A, Riboli E, Danesh J. Consumption of Meat, Fish, Dairy Products, and Eggs and Risk of Ischemic Heart Disease. *Circulation.* 2019 Jun 18;139(25):2835-2845. doi: 10.1161/CIRCULATIONAHA.118.038813. Epub 2019 Apr 22. PubMed PMID: 31006335; PubMed Central PMCID: PMC6629175.
12. Dam V, van der Schouw YT, Onland-Moret NC, Groenwold RHH, Peters SAE, Burgess S, Wood AM, Chirlaque MD, Moons KGM, Oliver-Williams C, Schuit E, Tikk K, Weiderpass E, Holm M, Tjønneland A, Kühn T, Fortner RT, Trichopoulou A, Karakatsani A, La Vecchia C, Ferrari P, Gunter M, Masala G, Sieri S, Tumino R, Panico S, Boer JMA, Verschuren WMM, Salamanca-Fernández E, Arriola L, Moreno-Iribas C, Engström G, Melander O, Nordendahl M, Wennberg P, Key TJ, Colorado-Yohar S, **MATULLO G**, Overvad K, Clavel-Chapelon F, Boeing H, Quiros JR, di Angelantonio E, Langenberg C, Sweeting MJ, Riboli E, Wareham NJ, Danesh J, Butterworth A. Association of menopausal characteristics and risk of coronary heart disease: a pan-European case-cohort analysis. *Int J Epidemiol.* 2019 Feb 22. pii: dyz016. doi: 10.1093/ije/dyz016. [Epub ahead of print] PubMed PMID: 30796459.
13. Gasull M, Pumarega J, Kiviranta H, Rantakokko P, Raaschou-Nielsen O, Bergdahl IA, Sandanger TM, Goñi F, Cirera L, Donat-Vargas C, Alguacil J, Iglesias M, Tjønneland A, Overvad K, Mancini FR, Boutron-Ruault MC, Severi G, Johnson T, Kühn T, Trichopoulou A, Karakatsani A, Peppas E, Palli D, Pala V, Tumino R, Naccarati A, Panico S, Verschuren M, Vermeulen R, Rylander C, Nøst TH, Rodríguez-Barranco M, Molinuevo A, Chirlaque MD, Ardanaz E, Sund M, Key T, Ye W, Jenab M, Michaud D, **MATULLO G**, Canzian F, Kaaks R, Nieters A, Nöthlings U, Jeurnink S, Chajes V, Matejic M, Gunter M, Aune D, Riboli E, Agudo A, Gonzalez CA, Weiderpass E, Bueno-de-Mesquita B, Duell EJ, Vineis P, Porta M. Methodological issues in a prospective study on plasma concentrations of persistent organic pollutants and pancreatic cancer risk within the EPIC cohort. *Environ Res.* 2019 Feb;169:417-433. doi: 10.1016/j.envres.2018.11.027. Epub 2018 Nov 23. PubMed PMID: 30529143.
14. Parmar P, Lowry E, Cugliari G, Suderman M, Wilson R, Karhunen V, Andrew T, Wiklund P, Wielscher M, Guarrera S, Teumer A, Lehne B, Milani L, de Klein N, Mishra PP, Melton PE, Mandaviya PR, Kasela S, Nano J, Zhang W, Zhang Y, Uitterlinden AG, Peters A, Schöttker B, Gieger C, Anderson D, Boomsma DI, Grabe HJ, Panico S, Veldink JH, van Meurs JBJ, van den Berg L, Beilín LJ, Franke L, Loh M, van Greevenbroek MMJ, Nauck M, Kähönen M, Hurme MA, Raitakari OT, Franco OH, Slagboom PE, van der Harst P, Kunze S, Felix SB, Zhang T, Chen W, Mori TA, Bonnefond A, Heijmans BT; BIOS Consortium, Muka T, Kooner JS, Fischer K, Waldenberger M, Froguel P, Huang RC, Lehtimäki T, Rathmann W, Relton CL, **MATULLO G**, Brenner H, Verweij N, Li S, Chambers JC, Järvelin MR, Sebert S; GLOBAL Meth QTL Consortium. Association of maternal prenatal smoking GF11-locus and cardio-metabolic phenotypes in

- 18,212 adults. *EBioMedicine*. 2018 Dec;38:206-216. doi: 10.1016/j.ebiom.2018.10.066. Epub 2018 Nov 13. PubMed PMID: 30442561; PubMed Central PMCID: PMC6306313.
15. Guarrera S, Viberti C, Cugliari G, Allione A, Casalone E, Betti M, Ferrante D, Aspesi A, Casadio C, Grosso F, Libener R, Piccolini E, Mirabelli D, Dianzani I, Magnani C, **MATULLO G**#. Peripheral Blood DNA Methylation as Potential Biomarker of Malignant Pleural Mesothelioma in Asbestos-Exposed Subjects. *J Thorac Oncol*. 2019 Mar;14(3):527-539. doi: 10.1016/j.jtho.2018.10.163. Epub 2018 Nov 5. PubMed PMID: 30408567.
16. Betti M, Aspesi A, Ferrante D, Sculco M, Righi L, Mirabelli D, Napoli F, Rondón-Lagos M, Casalone E, Vignolo Lutati F, Ogliaira P, Bironzo P, Gironi CL, Savoia P, Maffè A, Ungari S, Grosso F, Libener R, Boldorini R, Valiante M, Pasini B, **MATULLO G**, Scagliotti G, Magnani C, Dianzani I. Sensitivity to asbestos is increased in patients with mesothelioma and pathogenic germline variants in BAP1 or other DNA repair genes. *Genes Chromosomes Cancer*. 2018 Nov;57(11):573-583. doi: 10.1002/gcc.22670. PubMed PMID: 30338612.
17. Bradbury KE, Appleby PN, Tipper SJ, Travis RC, Allen NE, Kvaskoff M, Overvad K, Tjønneland A, Halkjaer J, Cevenka I, Mahamat-Saleh Y, Bonnet F, Kaaks R, Turzanski Fortner R, Boeing H, Trichopoulou A, La Vecchia C, Stratigos AJ, Palli D, Grioni S, **MATULLO G**, Panico S, Tumino R, Peeters PH, Bueno-de-Mesquita B, Ghiasvand R, Veierød MB, Weiderpass E, Bonnet C, Molina E, Huerta JM, Larrañaga N, Barricarte A, Merino S, Isaksson K, Stocks T, Ljuslinder I, Hemmingsson O, Wareham N, Khaw KT, Gunter MJ, Rinaldi S, Tsilidis KK, Aune D, Riboli E, Key TJ. Circulating insulin-like growth factor I in relation to melanoma risk in the European Prospective Investigation into Cancer and Nutrition. *Int J Cancer*. 2018 Sep 7. doi: 10.1002/ijc.31854. [Epub ahead of print] PubMed PMID: 30191956.
18. Allione A, Pardini B, Viberti C, Giribaldi G, Turini S, Di Gaetano C, Guarrera S, Cordero F, Oderda M, Allasia M, Gontero P, Sacerdote C, Vineis P, **MATULLO G**#. MMP23B expression and protein levels in blood and urine are associated with bladder cancer. *Carcinogenesis*. 2018 Jul 20. PMID: 30052775.
19. Ricci C, Wood A, Muller D, Gunter MJ, Agudo A, Boeing H, van der Schouw YT, Warnakula S, Saieva C, Spijkerman A, Sluijs I, Tjønneland A, Kyro C, Weiderpass E, Kühn T, Kaaks R, Sánchez MJ, Panico S, Agnoli C, Palli D, Tumino R, Engström G, Melander O, Bonnet F, Boer JMA, Key TJ, Travis RC, Overvad K, Verschuren WMM, Quirós JR, Trichopoulou A, Papatista EM, Peppas E, Iribas CM, Gavrilis D, Forslund AS, Jansson JH, **MATULLO G**, Arriola L, Freisling H, Lassale C, Tzoulaki I, Sharp SJ, Frouhi NG, Langenberg C, Saracci R, Sweeting M, Brennan P, Butterworth AS, Riboli E, Wareham NJ, Danesh J, Ferrari P. Alcohol intake in relation to non-fatal and fatal coronary heart disease and stroke: EPIC-CVD case-cohort study. *BMJ*. 2018 May 29;361:k934. doi: 10.1136/bmj.k934. PubMed PMID: 29844013; PubMed Central PMCID: PMC5972779.
20. Pardini B, Cordero F, Naccarati A, Viberti C, Birolo G, Oderda M, Di Gaetano C, Arigoni M, Martina F, Calogero RA, Sacerdote C, Gontero P, Vineis P, **MATULLO G**#. microRNA profiles in urine by next-generation sequencing can stratify bladder cancer subtypes. *Oncotarget*. 2018 Apr 17;9(29):20658-20669. doi: 10.18632/oncotarget.25057. eCollection 2018 Apr 17. PubMed PMID: 29755679; PubMed Central PMCID: PMC5945522.
21. Campanella G, Gunter MJ, Polidoro S, Krogh V, Palli D, Panico S, Sacerdote C, Tumino R, Fiorito G, Guarrera S, Iacoviello L, Bergdahl IA, Melin B, Lenner P, de Kok TMCM, Georgiadis P, Kleinjans JCS, Kyrtopoulos SA, Bueno-de-Mesquita HB, Lillycrop KA, May AM, Onland-Moret NC, Murray R, Riboli E, Verschuren M, Lund E, Mode N, Sandanger TM, Fiano V, Trevisan M, **MATULLO G**, Froguel P, Elliott P, Vineis P, Chadeau-Hyam M. Epigenome-wide association study of adiposity and future risk of obesity-related diseases. *Int J Obes (Lond)*. 2018 May 1. doi: 10.1038/s41366-018-0064-7. [Epub ahead of print] PubMed PMID: 29713043.
22. Campa D, Barrdahl M, Santoro A, Severi G, Baglietto L, Omichessan H, Tumino R, Bueno-de-Mesquita HBA, Peeters PH, Weiderpass E, Chirlaque MD, Rodríguez-Barranco M, Agudo A, Gunter M, Dossus L, Krogh V, **MATULLO G**, Trichopoulou A, Travis RC, Canzian F, Kaaks R. Mitochondrial DNA copy number variation, leukocyte telomere length, and breast cancer risk in the European Prospective Investigation into Cancer and Nutrition (EPIC) study. *Breast Cancer Res*. 2018 Apr 17;20(1):29. doi: 10.1186/s13058-018-0955-5. PubMed PMID: 29665866; PubMed Central PMCID: PMC5905156.
23. Cramer DW, Fichorova RN, Terry KL, Yamamoto H, Vitonis AF, Ardanaz E, Aune D, Boeing H, Brändstedt J, Boutron-Ruault MC, Chirlaque MD, Dorransoro M, Dossus L, Duell EJ, Gram IT, Gunter M, Hansen L, Idahl A, Johnson T, Khaw KT, Krogh V, Kvaskoff M, Mattiello A, **MATULLO G**, Merritt MA, Nodin B, Orfanos P, Onland-Moret NC, Palli D, Peppas E, Quirós JR, Sánchez-Perez MJ, Severi G, Tjønneland A, Travis RC, Trichopoulou A, Tumino R, Weiderpass E, Fortner RT, Kaaks R. Anti-CA15.3 and Anti-CA125 Antibodies and Ovarian Cancer Risk: Results from the EPIC Cohort. *Cancer Epidemiol Biomarkers Prev*. 2018 Jul;27(7):790-804. doi: 10.1158/1055-9965.EPI-17-0744. Epub 2018 Apr 16. PubMed PMID: 29661801.
24. Robino C, Lacerenza D, Aneli S, Di Gaetano C, **MATULLO G**, Robledo R, Calò C. Allele and haplotype diversity of 12 X-STRs in Sardinia. *Forensic Sci Int Genet*. 2017 Dec 5. pii: S1872-4973(17)30272-7. doi: 10.1016/j.fsigen.2017.12.002. [Epub ahead of print] PubMed PMID: 29221994.
25. Fiorito G, Polidoro S, Dugué PA, Kivimaki M, Ponzi E, **MATULLO G**, Guarrera S, Assumma MB, Georgiadis P, Kyrtopoulos SA, Krogh V, Palli D, Panico S, Sacerdote C, Tumino R, Chadeau-Hyam M, Stringhini S, Severi G, Hodge AM, Giles GG, Marioni R, Karlsson Linnér R, O'Halloran AM, Kenny RA, Layte R, Baglietto L, Robinson O, McCrory C, Milne RL, Vineis P. Social adversity and epigenetic aging: a multi-cohort study on socioeconomic differences in peripheral blood DNA methylation. *Sci Rep*. 2017 Nov 24;7(1):16266. doi: 10.1038/s41598-017-16391-5. PubMed PMID: 29176660; PubMed Central PMCID: PMC5701128.
26. van Duijnhoven FJB, Jenab M, Hveem K, Siersema PD, Fedirko V, Duell EJ, Kampman E, Halfweg A, van Kranen HJ, van den Ouweland JMW, Weiderpass E, Murphy N, Langhammer A, Ness-Jensen E, Olsen A, Tjønneland A, Overvad K, Cadeau C, Kvaskoff M, Boutron-Ruault MC, Katske VA, Kühn T, Boeing H, Trichopoulou A, Kotanidou A, Kritikou M, Palli D, Agnoli C, Tumino R, Panico S, **MATULLO G**, Peeters P, Brustad M, Olsen KS, Lasheras C, Obón-Santacana M, Sánchez MJ, Dorransoro M, Chirlaque MD, Barricarte A, Manjer J, Almqvist M, Renström F, Ye W, Wareham N, Khaw KT, Bradbury KE, Freisling H, Aune D, Norat T, Riboli E, Bueno-de-Mesquita HBA. Circulating concentrations of vitamin D in relation to pancreatic cancer risk in European populations. *Int J Cancer*. 2018 Mar 15;142(6):1189-1201. doi: 10.1002/ijc.31146. Epub 2017 Nov 22. PubMed PMID: 29114875.
27. Lassale C, Tzoulaki I, Moons KGM, Sweeting M, Boer J, Johnson L, Huerta JM, Agnoli C, Freisling H, Weiderpass E, Wennberg P, van der A DL, Arriola L, Benetou V, Boeing H, Bonnet F, Colorado-Yohar SM, Engström G, Eriksen AK, Ferrari P, Grioni S, Johansson

- M, Kaaks R, Katsoulis M, Katzke V, Key TJ, **MATULLO G**, Melander O, Molina-Portillo E, Moreno-Iribas C, Norberg M, Overvad K, Panico S, Quirós JR, Saieva C, Skeie G, Steffen A, Stepien M, Tjønneland A, Trichopoulou A, Tumino R, van der Schouw YT, Verschuren WMM, Langenberg C, Di Angelantonio E, Riboli E, Wareham NJ, Danesh J, Butterworth AS. Separate and combined associations of obesity and metabolic health with coronary heart disease: a pan-European case-cohort analysis. *Eur Heart J*. 2017 Aug 14. doi: 10.1093/eurheartj/ehx448. [Epub ahead of print] PubMed PMID: 29020414.
28. Agnoli C, Grioni S, Pala V, Allione A, **MATULLO G**, Gaetano CD, Tagliabue G, Sieri S, Krogh V. Biomarkers of inflammation and breast cancer risk: a case-control study nested in the EPIC-Varese cohort. *Sci Rep*. 2017 Oct 5;7(1):12708. doi: 10.1038/s41598-017-12703-x. PubMed PMID: 28983080; PubMed Central PMCID: PMC5629213.
29. Barault L, Amatu A, Siravegna G, Ponzetti A, Moran S, Cassingena A, Mussolin B, Falcomatà C, Binder AM, Cristiano C, Oddo D, Guarrera S, Cancelliere C, Bustreo S, Bencardino K, Maden S, Vanzati A, Zavattari P, **MATULLO G**, Truini M, Grady WM, Racca P, Michels KB, Siena S, Esteller M, Bardelli A, Sartore-Bianchi A, Di Nicolantonio F. Discovery of methylated circulating DNA biomarkers for comprehensive non-invasive monitoring of treatment response in metastatic colorectal cancer. *Gut*. 2017 Oct 5. pii: gutjnl-2016-313372. doi: 10.1136/gutjnl-2016-313372. [Epub ahead of print] PubMed PMID: 28982739.
30. Marcon F, Siniscalchi E, Andreoli C, Allione A, Fiorito G, Medda E, Guarrera S, **MATULLO G**, Crebelli R. Telomerase activity, telomere length and hTERT DNA methylation in peripheral blood mononuclear cells from monozygotic twins with discordant smoking habits. *Environ Mol Mutagen*. 2017 Oct;58(8):551-559. doi: 10.1002/em.22127. Epub 2017 Aug 26. PubMed PMID: 28843010.
31. Betti M, Casalone E, Ferrante D, Aspesi A, Morleo G, Biasi A, Sculco M, Mancuso G, Guarrera S, Righi L, Grosso F, Libener R, Pavesi M, Mariani N, Casadio C, Boldorini R, Mirabelli D, Pasini B, Magnani C, **MATULLO G**§, Dianzani I. Germline mutations in DNA repair genes predispose asbestos-exposed patients to malignant pleural mesothelioma. *Cancer Lett*. 2017 Oct 1;405:38-45. doi: 10.1016/j.canlet.2017.06.028. Epub 2017 Jul 4. PubMed PMID: 28687356.
32. Hendricks AE, Bochukova EG, Marenne G, Keogh JM, Atanassova N, Bounds R, Wheeler E, Mistry V, Henning E, Körner A, Muddyman D, McCarthy S, Hinney A, Hebebrand J, Scott RA, Langenberg C, Wareham NJ, Surendran P, Howson JM, Butterworth AS, Danesh J, Nordestgaard BG, Nielsen SF, Afzal S, Papadia S, Ashford S, Garg S, Millhauser GL, Palomino RI, Kwasniewska A, Tachmazidou I, O'Rahilly S, Zeggini E, Barroso I, Farooqi IS; Understanding Society Scientific Group; EPIC-CVD Consortium; UK10K Consortium. Rare Variant Analysis of Human and Rodent Obesity Genes in Individuals with Severe Childhood Obesity. *Sci Rep*. 2017 Jun 29;7(1):4394. doi: 10.1038/s41598-017-03054-8. PubMed PMID: 28663568; PubMed Central PMCID: PMC5491520.
33. Duell EJ, Lujan-Barroso L, Sala N, Deitz McElyea S, Overvad K, Tjønneland A, Olsen A, Weiderpass E, Busund LT, Moi L, Muller D, Vineis P, Aune D, **MATULLO G**, Naccarati A, Panico S, Tagliabue G, Tumino R, Palli D, Kaaks R, Katzke VA, Boeing H, Bueno-de-Mesquita HBA, Peeters PH, Trichopoulou A, Lagiou P, Kotanidou A, Travis RC, Wareham N, Khaw KT, Ramon Quirós J, Rodríguez-Barranco M, Dorronsoro M, Chirlaque MD, Ardanaz E, Severi G, Boutron-Ruault MC, Rebours V, Brennan P, Gunter M, Scelo G, Cote G, Sherman S, Korc M. Plasma microRNAs as biomarkers of pancreatic cancer risk in a prospective cohort study. *Int J Cancer*. 2017 Sep 1;141(5):905-915. doi: 10.1002/ijc.30790. Epub 2017 Jun 12. PubMed PMID: 28542740; PubMed Central PMCID: PMC5536971.
34. Fortner RT, Vitonis AF, Schock H, Hüsing A, Johnson T, Fichorova RN, Fashemi T, Yamamoto HS, Tjønneland A, Hansen L, Overvad K, Boutron-Ruault MC, Kvaskoff M, Severi G, Boeing H, Trichopoulou A, Benetou V, La Vecchia C, Palli D, Sieri S, Tumino R, **MATULLO G**, Mattiello A, Onland-Moret NC, Peeters PH, Weiderpass E, Gram IT, Jareid M, Quirós JR, Duell EJ, Sánchez MJ, Chirlaque MD, Ardanaz E, Larrañaga N, Nodin B, Brändstedt J, Idahl A, Khaw KT, Allen N, Gunter M, Johansson M, Dossus L, Merritt MA, Riboli E, Cramer DW, Kaaks R, Terry KL. Correlates of circulating ovarian cancer early detection markers and their contribution to discrimination of early detection models: results from the EPIC cohort. *J Ovarian Res*. 2017 Mar 20;10(1):20. doi: 10.1186/s13048-017-0315-6. PubMed PMID: 28320479; PubMed Central PMCID: PMC5360038.
35. Lacerenza D, Aneli S, Di Gaetano C, Critelli R, Piazza A, **MATULLO G**, Culigioni C, Robledo R, Robino C, Calò C. Investigation of extended Y chromosome STR haplotypes in Sardinia. *Forensic Sci Int Genet*. 2017 Mar;27:172-174. doi: 10.1016/j.fsigen.2016.12.009. Epub 2016 Dec 28. PubMed PMID: 28057510.
36. Wahl S, Drong A, Lehne B, Loh M, Scott WR, Kunze S, Tsai PC, Ried JS, Zhang W, Yang Y, Tan S, Fiorito G, Franke L, Guarrera S, Kasela S, Kriebel J, Richmond RC, Adamo M, Afzal U, Ala-Korpela M, Albeti B, Ammerpohl O, Apperley JF, Beekman M, Bertazzi PA, Black SL, Blancher C, Bonder MJ, Brosch M, Carstensen-Kirberg M, de Craen AJ, de Lusignan S, Dehghan A, Elkalaawy M, Fischer K, Franco OH, Gaunt TR, Hampe J, Hashemi M, Isaacs A, Jenkinson A, Jha S, Kato N, Krogh V, Laffan M, Meisinger C, Meitinger T, Mok ZY, Motta V, Ng HK, Nikolakopoulou Z, Nteliopoulos G, Panico S, Pervjakova N, Prokisch H, Rathmann W, Roden M, Rota F, Rozario MA, Sandling JK, Schafmayer C, Schramm K, Siebert R, Slagboom PE, Soininen P, Stolk L, Strauch K, Tai ES, Tarantini L, Thorand B, Tigchelaar EF, Tumino R, Uitterlinden AG, van Duijn C, van Meurs JB, Vineis P, Wickremasinghe AR, Wijmenga C, Yang TP, Yuan W, Zernakova A, Batterham RL, Smith GD, Deloukas P, Heijmans BT, Herder C, Hofman A, Lindgren CM, Milani L, van der Harst P, Peters A, Illig T, Relton CL, Waldenberger M, Järvelin MR, Bollati V, Soong R, Spector TD, Scott J, McCarthy MI, Elliott P, Bell JT, **MATULLO G**§, Gieger C, Koener JS, Grallert H, Chambers JC. Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. *Nature*. 2017 Jan 5;541(7635):81-86. doi: 10.1038/nature20784. Epub 2016 Dec 21. PubMed PMID: 28002404; PubMed Central PMCID: PMC5570525.
37. Pardini B, Viberti C, Naccarati A, Allione A, Oderda M, Critelli R, Preto M, Zijno A, Cucchiarale G, Gontero P, Vineis P, Sacerdote C, **MATULLO G**#. Increased micronucleus frequency in peripheral blood lymphocytes predicts the risk of bladder cancer. *Br J Cancer*. 2017 Jan 17;116(2):202-210. doi: 10.1038/bjc.2016.411. Epub 2016 Dec 13. PubMed PMID: 27959887; PubMed Central PMCID: PMC5243995.
38. Ligthart S, Marzi C, Aslibekyan S, Mendelson MM, Conneely KN, Tanaka T, Colicino E, Waite LL, Joehanes R, Guan W, Brody JA, Elks C, Marioni R, Jhun MA, Agha G, Bressler J, Ward-Caviness CK, Chen BH, Huan T, Bakulski K, Salfati EL; WHI-EMPC Investigators, Fiorito G; CHARGE epigenetics of Coronary Heart Disease, Wahl S, Schramm K, Sha J, Hernandez DG, Just AC, Smith JA, Sotoodehnia N, Pilling LC, Pankow JS, Tsao PS, Liu C, Zhao W, Guarrera S, Michopoulos VJ, Smith AK, Peters MJ, Melzer D, Vokonas P, Fornage M, Prokisch H, Bis JC, Chu AY, Herder C, Grallert H, Yao C, Shah S, McRae AF, Lin H, Horvath S, Fallin D, Hofman A, Wareham NJ, Wiggins KL, Feinberg AP, Starr JM, Visscher PM, Murabito JM, Kardia SL, Absher DM, Binder EB, Singleton AB, Bandinelli S, Peters A, Waldenberger M, **MATULLO G**, Schwartz JD, Demerath EW, Uitterlinden AG, van Meurs JB, Franco OH,

Chen YI, Levy D, Turner ST, Deary IJ, Ressler KJ, Dupuis J, Ferrucci L, Ong KK, Assimes TL, Boerwinkle E, Koenig W, Arnett DK, Baccarelli AA, Benjamin EJ, Dehghan A. DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. *Genome Biol.* 2016 Dec 12;17(1):255. PubMed PMID: 27955697; PubMed Central PMCID: PMC5151130.

39. Schmidt AF, Swerdlow DI, Holmes MV, Patel RS, Fairhurst-Hunter Z, Lyall DM, Hartwig FP, Horta BL, Hyppönen E, Power C, Moldovan M, van Iperen E, Hovingh GK, Demuth I, Norman K, Steinhagen-Thiessen E, Demuth J, Bertram L, Liu T, Coassin S, Willeit J, Kiechl S, Willeit K, Mason D, Wright J, Morris R, Wanamethee G, Whincup P, Ben-Shlomo Y, McLachlan S, Price JF, Kivimaki M, Welch C, Sanchez-Galvez A, Marques-Vidal P, Nicolaides A, Panayiotou AG, Onland-Moret NC, van der Schouw YT, **MATULLO G**, Fiorito G, Guarrera S, Sacerdote C, Wareham NJ, Langenberg C, Scott R, Luan J, Bobak M, Malyutina S, Pajak A, Kubinova R, Tamosiunas A, Pikhart H, Husemoen LL, Grarup N, Pedersen O, Hansen T, Linneberg A, Simonsen KS, Cooper J, Humphries SE, Brilliant M, Kitchner T, Hakonarson H, Carrell DS, McCarty CA, Kirchner HL, Larson EB, Crosslin DR, de Andrade M, Roden DM, Denny JC, Carty C, Hancock S, Attia J, Holliday E, O'Donnell M, Yusuf S, Chong M, Pare G, van der Harst P, Said MA, Eppinga RN, Verweij N, Snieder H; LifeLines Cohort study group, Christen T, Mook-Kanamori DO, Gustafsson S, Lind L, Ingelsson E, Pazoki R, Franco O, Hofman A, Uitterlinden A, Dehghan A, Teumer A, Baumeister S, Dörr M, Lerch MM, Völker U, Völzke H, Ward J, Pell JP, Smith DJ, Meade T, Maitland-van der Zee AH, Baranova EV, Young R, Ford I, Campbell A, Padmanabhan S, Bots ML, Grobbee DE, Froguel P, Thuillier D, Balkau B, Bonnefond A, Cariou B, Smart M, Bao Y, Kumari M, Mahajan A, Ridker PM, Chasman DI, Reiner AP, Lange LA, Ritchie MD, Asselbergs FW, Casas JP, Keating BJ, Preiss D, Hingorani AD; UCLEB consortium, Sattar N. PCSK9 genetic variants and risk of type 2 diabetes: a mendelian randomisation study. *Lancet Diabetes Endocrinol.* 2017 Feb;5(2):97-105. doi: 10.1016/S2213-8587(16)30396-5. Epub 2016 Nov 29. PubMed PMID: 27908689; PubMed Central PMCID: PMC5266795.

40. Marzi C, Holdt LM, Fiorito G, Tsai PC, Kretschmer A, Wahl S, Guarrera S, Teupser D, Spector TD, Iacoviello L, Sacerdote C, Strauch K, Lee S, Thasler WE, Peters A, Thorand B, Wolf P, Prokisch H, Tumino R, Gieger C, Krogh V, Panico S, Bell JT, **MATULLO G**, Waldenberger M, Grallert H, Koenig W. Epigenetic Signatures at AQP3 and SOCS3 Engage in Low-Grade Inflammation across Different Tissues. *PLoS One.* 2016 Nov 8;11(11):e0166015. doi: 10.1371/journal.pone.0166015. eCollection 2016. PubMed PMID: 27824951; PubMed Central PMCID: PMC5100881.

41. Barutta F, Bruno G, **MATULLO G**, Chaturvedi N, Grimaldi S, Schalkwijk C, Stehouwer CD, Fuller JH, Gruden G. MicroRNA-126 and micro-/macrovascular complications of type 1 diabetes in the EURODIAB Prospective Complications Study. *Acta Diabetol.* 2017 Feb;54(2):133-139. doi: 10.1007/s00592-016-0915-4. Epub 2016 Oct 1. PubMed PMID: 27696070.

42. Critelli R, Fasanelli F, Oderda M, Polidoro S, Assumma MB, Viberti C, Preto M, Gontero P, Cucchiareale G, Lurkin I, Zwarthoff EC, Vineis P, Sacerdote C, **MATULLO G**, Naccarati A. Detection of multiple mutations in urinary exfoliated cells from male bladder cancer patients at diagnosis and during follow-up. *Oncotarget.* 2016 Oct 11;7(41):67435-67448. doi: 10.18632/oncotarget.11883. PubMed PMID: 27611947; PubMed Central PMCID: PMC5341887.

43. Sazzini M, Gneccchi Ruscone GA, Giuliani C, Sarno S, Quagliariello A, De Fanti S, Boattini A, Gentilini D, Fiorito G, Catanoso M, Boiardi L, Croci S, Macchioni P, Mantovani V, Di Blasio AM, **MATULLO G**, Salvarani C, Franceschi C, Pettener D, Garagnani P, Luiselli D. Complex interplay between neutral and adaptive evolution shaped differential genomic background and disease susceptibility along the Italian peninsula. *Sci Rep.* 2016 Sep 1;6:32513. doi: 10.1038/srep32513. PubMed PMID: 27582244; PubMed Central PMCID: PMC5007512.

44. Turinetto V, Pardini B, Allione A, Fiorito G, Viberti C, Guarrera S, Russo A, Anglesio S, Ruo Redda MG, Casetta G, Cucchiareale G, Destefanis P, Oderda M, Gontero P, Rolle L, Frea B, Vineis P, Sacerdote C, Giachino C, **MATULLO G**. H2AX phosphorylation level in peripheral blood mononuclear cells as an event-free survival predictor for bladder cancer. *Mol Carcinog.* 2016 Nov;55(11):1833-1842. doi: 10.1002/mc.22431. Epub 2015 Nov 19. PubMed PMID: 27439749.

45. Peters SA, van der Schouw YT, Wood AM, Sweeting MJ, Moons KG, Weiderpass E, Arriola L, Benetou V, Boeing H, Bonnet F, Butt ST, Clavel-Chapelon F, Drake I, Gavrilu D, Key TJ, Klinaki E, Krogh V, Kühn T, Lassale C, Masala G, **MATULLO G**, Merritt M, Molina-Portillo E, Moreno-Iribas C, Nøst TH, Olsen A, Onland-Moret NC, Overvad K, Panico S, Redondo ML, Tjønneland A, Trichopoulos A, Tumino R, Turzanski-Fortner R, Tzoulaki I, Wennberg P, Winkvist A, Thompson SG, Di Angelantonio E, Riboli E, Wareham NJ, Danesh J, Butterworth AS. Parity, breastfeeding and risk of coronary heart disease: A pan-European case-cohort study. *Eur J Prev Cardiol.* 2016 Nov;23(16):1755-1765. Epub 2016 Jul 4. Erratum in: *Eur J Prev Cardiol.* 2016 Nov 22;: PubMed PMID: 27378766.

46. Betti M, Aspesi A, Biasi A, Casalone E, Ferrante D, Ogliara P, Gironi LC, Giorgione R, Farinelli P, Grosso F, Libener R, Rosato S, Turchetti D, Maffè A, Casadio C, Ascoli V, Dianzani C, Colombo E, Piccolini E, Pavesi M, Miccoli S, Mirabelli D, Bracco C, Righi L, Boldorini R, Papotti M, **MATULLO G**, Magnani C, Pasini B, Dianzani I. CDKN2A and BAP1 germline mutations predispose to melanoma and mesothelioma. *Cancer Lett.* 2016 Aug 10;378(2):120-30. doi: 10.1016/j.canlet.2016.05.011. Epub 2016 May 12. PubMed PMID: 27181379.

47. Agnoli C, Grioni S, Krogh V, Pala V, Allione A, **MATULLO G**, Di Gaetano C, Tagliabue G, Pedraglio S, Garrone G, Cancarini I, Cavalleri A, Sieri S. Plasma Riboflavin and Vitamin B-6, but Not Homocysteine, Folate, or Vitamin B-12, Are Inversely Associated with Breast Cancer Risk in the European Prospective Investigation into Cancer and Nutrition-Varese Cohort. *J Nutr.* 2016 Jun;146(6):1227-34. doi: 10.3945/jn.115.225433. Epub 2016 Apr 27. PubMed PMID: 27121532.

48. Zanolla L, Guarise P, Tomasi L, Vassanelli C, Cicorella N, Zanini R, Guarrera S, Fiorito G, **MATULLO G**. Association between Beta1 -Adrenergic Receptor Polymorphism and Risk of ICD Shock in Heart Failure Patients. *Pacing Clin Electrophysiol.* 2016 Jun;39(6):557-64. doi: 10.1111/pace.12860. Epub 2016 May 4. PubMed PMID: 27027728.

49. Allione A, Di Gaetano C, Dani N, Barberio D, Sieri S, Krogh V, **MATULLO G**. Anticoagulants used in plasma collection affect adipokine multiplexed measurements. *Cytokine.* 2016 Apr;80:43-7. doi: 10.1016/j.cyto.2016.03.001. Epub 2016 Mar 3. PubMed PMID: 26945995.

50. Pattaro C, Teumer A, Gorski M, Chu AY, Li M, Mijatovic V, Garnaas M, Tin A, Sorice R, Li Y, Taliun D, Olden M, Foster M, Yang Q, Chen MH, Pers TH, Johnson AD, Ko YA, Fuchsberger C, Tayo B, Nalls M, Feitosa MF, Isaacs A, Dehghan A, d'Adamo P, Adeyemo A, Dieffenbach AK, Zonderman AB, Nolte IM, van der Most PJ, Wright AF, Shuldiner AR, Morrison AC, Hofman A, Smith AV, Dreisbach AW, Franke A, Uitterlinden AG, Metspalu A, Tonjes A, Lupo A, Robino A, Johansson A, Demirkan A, Kollerits B, Freedman BI, Ponte

B, Oostra BA, Paulweber B, Krämer BK, Mitchell BD, Buckley BM, Peralta CA, Hayward C, Helmer C, Rotimi CN, Shaffer CM, Müller C, Sala C, van Duijn CM, Saint-Pierre A, Ackermann D, Shriver D, Ruggiero D, Toniolo D, Lu Y, Cusi D, Czamara D, Ellinghaus D, Siscovick DS, Ruderfer D, Gieger C, Grallert H, Roachchina E, Atkinson EJ, Holliday EG, Boerwinkle E, Salvi E, Bottinger EP, Murgia F, Rivadeneira F, Ernst F, Kronenberg F, Hu FB, Navis GJ, Curhan GC, Ehret GB, Homuth G, Coassin S, Thun GA, Pistis G, Gambaro G, Malerba G, Montgomery GW, Eiriksdóttir G, Jacobs G, Li G, Wichmann HE, Campbell H, Schmidt H, Wallaschofski H, Völzke H, Brenner H, Kroemer HK, Kramer H, Lin H, Leach IM, Ford I, Guessous I, Rudan I, Prokopenko I, Borecki I, Heid IM, Kolcic I, Persico I, Jukema JW, Wilson JF, Felix JF, Divers J, Lambert JC, Stafford JM, Gaspoz JM, Smith JA, Faul JD, Wang JJ, Ding J, Hirschhorn JN, Attia J, Whitfield JB, Chalmers J, Viikari J, Coresh J, Denny JC, Karjalainen J, Fernandes JK, Endlich K, Butterbach K, Keene KL, Lohman K, Portas L, Launer LJ, Lytikäinen LP, Yengo L, Franke L, Ferrucci L, Rose LM, Kedenko L, Rao M, Struchalin M, Kleber ME, Cavalieri M, Haun M, Cornelis MC, Ciullo M, Pirastu M, de Andrade M, McEvoy MA, Woodward M, Adam M, Cocca M, Nauck M, Imboden M, Waldenberger M, Pruijm M, Metzger M, Stumvoll M, Evans MK, Sale MM, Kähönen M, Boban M, Bochud M, Rheinberger M, Verweij N, Bouatia-Naji N, Martin NG, Hastie N, Probst-Hensch N, Soranzo N, Devuyst O, Raitakari O, Gottesman O, Franco OH, Polasek O, Gasparini P, Munroe PB, Ridker PM, Mitchell P, Muntner P, Meisinger C, Smit JH; ICBP Consortium; AGEN Consortium; CARDIOGRAM; CHARGE-Heart Failure Group; ECHOGen Consortium, Kovacs P, Wild PS, Froguel P, Rettig R, Mägi R, Biffar R, Schmidt R, Middelberg RP, Carroll RJ, Penninx BW, Scott RJ, Katz R, Sedaghat S, Wild SH, Kardia SL, Ulivi S, Hwang SJ, Enroth S, Kloiber S, Trompet S, Stengel B, Hancock SJ, Turner ST, Rosas SE, Stracke S, Harris TB, Zeller T, Zemunik T, Lehtimäki T, Illig T, Aspeland T, Nikopoulou T, Esko T, Tanaka T, Gyllenstein U, Völker U, Emilsson V, Vitart V, Aalto V, Gudnason V, Chouraki V, Chen WM, Igl W, März W, Koenig W, Lieb W, Loos RJ, Liu Y, Snieder H, Pramstaller PP, Parsa A, O'Connell JR, Susztak K, Hamet P, Tremblay J, de Boer IH, Böger CA, Goessling W, Chasman DI, Köttgen A, Kao WH, Fox CS. Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nat Commun.* 2016 Jan 21;7:10023. doi: 10.1038/ncomms10023. PubMed PMID: 26831199; PubMed Central PMCID: PMC4735748.

51. Figueroa JD, Middlebrooks CD, Banday AR, Ye Y, Garcia-Closas M, Chatterjee N, Koutros S, Kiemeny LA, Rafnar T, Bishop T, Furberg H, **MATULLO G**, Golka K, Gago-Dominguez M, Taylor JA, Fletcher T, Siddiq A, Cortessis VK, Kooperberg C, Cussenot O, Benhamou S, Prescott J, Porru S, Dinney CP, Malats N, Baris D, Purdue MP, Jacobs EJ, Albanes D, Wang Z, Chung CC, Vermeulen SH, Aben KK, Galesloot TE, Thorleifsson G, Sulem P, Stefansson K, Kiltie AE, Harland M, Teo M, Offit K, Vijai J, Bajorin D, Kopp R, Fiorito G, Guarrera S, Sacerdote C, Selinski S, Hengstler JG, Gerullis H, Ovsianikov D, Blaszkewicz M, Castela JE, Calaza M, Martinez ME, Cordeiro P, Xu Z, Panduri V, Kumar R, Gurzau E, Koppova K, Bueno-De-Mesquita HB, Ljungberg B, Clavel-Chapelon F, Weiderpass E, Krogh V, Dorronsoro M, Travis RC, Tjønneland A, Brennan P, Chang-Claude J, Riboli E, Conti D, Lehtimäki T, Illig T, Van Den Berg D, Yuan JM, Hohensee C, Jeppson RP, Cancel-Tassin G, Roupert M, Comperat E, Turman C, De Vivo I, Giovannucci E, Hunter DJ, Kraft P, Lindstrom S, Carta A, Pavanello S, Arici C, Mastrangelo G, Kamat AM, Zhang L, Gong Y, Pu X, Hutchinson A, Burdett L, Wheeler WA, Karagas MR, Johnson A, Schned A, Monawar Hosain GM, Schwenn M, Kogevinas M, Tardón A, Serra C, Carrato A, Garcia-Closas R, Lloreta J, Andriole G Jr, Grubb R 3rd, Black A, Diver WR, Gapstur SM, Weinstein S, Virtamo J, Haiman CA, Landi MT, Caporaso NE, Fraumeni JF Jr, Vineis P, Wu X, Chanock SJ, Silverman DT, Prokunina-Olsson L, Rothman N. Identification of a novel susceptibility locus at 13q34 and refinement of the 20p12.2 region as a multi-signal locus associated with bladder cancer risk in individuals of European ancestry. *Hum Mol Genet.* 2016 Mar 15;25(6):1203-14. doi: 10.1093/hmg/ddv492. Epub 2016 Jan 4. PubMed PMID: 26732427; PubMed Central PMCID: PMC4817084.

52. Guarrera S, Fiorito G, Onland-Moret NC, Russo A, Agnoli C, Allione A, Di Gaetano C, Mattiello A, Ricceri F, Chiodini P, Polidoro S, Frasca G, Verschuren MWM, Boer JMA, Iacoviello L, van der Schouw YT, Tumino R, Vineis P, Krogh V, Panico S, Sacerdote C, **MATULLO G#**. Gene-specific DNA methylation profiles and LINE-1 hypomethylation are associated with myocardial infarction risk. *Clin Epigenetics.* 2015 Dec 24;7:133. doi: 10.1186/s13148-015-0164-3. eCollection 2015. PubMed PMID: 26705428; PubMed Central PMCID: PMC4690365.

53. Fiorito G, Di Gaetano C, Guarrera S, Rosa F, Feldman MW, Piazza A, **MATULLO G #**. The Italian genome reflects the history of Europe and the Mediterranean basin. *Eur J Hum Genet.* 2016 Jul;24(7):1056-62. doi: 10.1038/ejhg.2015.233. Epub 2015 Nov 11. PubMed PMID: 26554880; PubMed Central PMCID: PMC5070887.

54. Singmann P, Shem-Tov D, Wahl S, Grallert H, Fiorito G, Shin SY, Schramm K, Wolf P, Kunze S, Baran Y, Guarrera S, Vineis P, Krogh V, Panico S, Tumino R, Kretschmer A, Gieger C, Peters A, Prokisch H, Relton CL, **MATULLO G**, Illig T, Waldenberger M, Halperin E. Characterization of whole-genome autosomal differences of DNA methylation between men and women. *Epigenetics Chromatin.* 2015 Oct 19;8:43. doi: 10.1186/s13072-015-0035-3. eCollection 2015. PubMed PMID: 26500701; PubMed Central PMCID: PMC4615866.

55. **MATULLO G#**, Naccarati A, Pardini B. MicroRNA expression profiling in bladder cancer: the challenge of next-generation sequencing in tissues and biofluids. *Int J Cancer.* 2016 May 15;138(10):2334-45. doi: 10.1002/ijc.29895. Epub 2015 Nov 9. Review. PubMed PMID: 26489968.

56. Cancarini I, Krogh V, Agnoli C, Grioni S, **MATULLO G**, Pala V, Pedraglio S, Contiero P, Riva C, Muti P, Sieri S. Micronutrients Involved in One-Carbon Metabolism and Risk of Breast Cancer Subtypes. *PLoS One.* 2015 Sep 16;10(9):e0138318. doi: 10.1371/journal.pone.0138318. eCollection 2015. PubMed PMID: 26376452; PubMed Central PMCID: PMC4574438.

57. Tunesi S, Ferrante D, Mirabelli D, Andorno S, Betti M, Fiorito G, Guarrera S, Casalone E, Neri M, Ugolini D, Bonassi S, **MATULLO G**, Dianzani U, Magnani C. Gene-asbestos interaction in malignant pleural mesothelioma susceptibility. *Carcinogenesis.* 2015 Oct;36(10):1129-35. doi: 10.1093/carcin/bgv097. Epub 2015 Jul 2. PubMed PMID: 26139392.

58. Khadjavi A, Mannu F, Destefanis P, Sacerdote C, Battaglia A, Allasia M, Fontana D, Frea B, Polidoro S, Fiorito G, **MATULLO G**, Pantaleo A, Notarpietro A, Prato M, Castagno F, Vineis P, Gontero P, Giribaldi G, Turrini F. Early diagnosis of bladder cancer through the detection of urinary tyrosine-phosphorylated proteins. *Br J Cancer.* 2015 Jul 28;113(3):469-75. doi: 10.1038/bjc.2015.232. Epub 2015 Jun 30. PubMed PMID: 26125446; PubMed Central PMCID: PMC4522638.

59. Allione A, Marcon F, Fiorito G, Guarrera S, Siniscalchi E, Zijno A, Crebelli R, **MATULLO G #**. Novel epigenetic changes unveiled by monozygotic twins discordant for smoking habits. *PLoS One.* 2015 Jun 4;10(6):e0128265. doi: 10.1371/journal.pone.0128265. eCollection 2015. PubMed PMID: 26043106; PubMed Central PMCID: PMC4456379.

60. **MATULLO G#**, Guarrera S, Betti M, Fiorito G, Ferrante D, Voglino F, Cadby G, Di Gaetano C, Rosa F, Russo A, Hirvonen A, Casalone E, Tunesi S, Padoan M, Giordano M, Aspesi A, Casadio C, Ardissoni F, Ruffini E, Betta PG, Libener R, Guaschino R,

Piccolini E, Neri M, Musk AW, de Klerk NH, Hui J, Beilby J, James AL, Creaney J, Robinson BW, Mukherjee S, Palmer LJ, Mirabelli D, Ugolini D, Bonassi S, Magnani C, Dianzani I. Correction: genetic variants associated with increased risk of malignant pleural mesothelioma: a genome-wide association study. *PLoS One*. 2015 Jun 3;10(6):e0130109. doi: 10.1371/journal.pone.0130109. eCollection 2015. PubMed PMID: 26039071; PubMed Central PMCID: PMC4454573.

61. Iacoviello L, Di Castelnuovo A, de Curtis A, Agnoli C, Frasca G, Mattiello A, **MATULLO G**, Ricceri F, Sacerdote C, Griani S, Tumino R, Napoleone E, Lorenzet R, de Gaetano G, Panico S, Donati MB. Circulating Tissue Factor Levels and Risk of Stroke: Findings From the EPICOR Study. *Stroke*. 2015 Jun;46(6):1501-7. doi: 10.1161/STROKEAHA.115.008678. Epub 2015 Apr 30. PubMed PMID: 25931463.

62. 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 YI, Clarke R, Daw EW, de Craen AJM, Delgado G, Dimitriou M, Doney AS, Eklund N, Estrada K, Eury E, Folkersen L, Fraser RM, Garcia ME, Geller F, Giedraitis V, Gigante B, Go AS, Golay A, Goodall AH, Gordon SD, Gorski M, Grabe HJ, Grallert H, Grammer TB, Gräßler J, Grönberg H, Groves CJ, Gusto G, Haessler J, Hall P, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heard-Costa NL, Helmer Q, Hengstenberg C, Holmen O, Hottenga JJ, James AL, Jeff JM, Johansson Å, Jolley J, Juliusdottir T, Kinnunen L, Koenig W, Koskenvuo M, Kratzer W, Laitinen J, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Lo KS, Lobbens S, Lindbeem 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 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, Wilsaard T, Wojczynski MK, Wong A, Wright AF, Zhang Q; LifeLines Cohort Study, Brennan EP, Choi M, Dastani Z, Drong AW, Eriksson P, Franco-Cereceda A, Gädin 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, van 't Hooft FM, Vinkhuyzen AAE, Westra HJ, Zheng W, Zondervan KT; ADIPOGen Consortium; AGEN-BMI Working Group; CARDIOGRAMplusC4D Consortium; CKDGen Consortium; GLGC; ICBP; MAGIC Investigators; MuTHER Consortium; Migen Consortium; PAGE Consortium; ReproGen Consortium; GENIE Consortium; International Endogene Consortium, 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, Julia AM, Kaprio J, Kastelein JJP, Keinanen-Kiukkaanniemi SM, Kiemens LA, Knekt P, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuusisto J, Lakka TA, Langenberg C, Marchand LL, 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, Ripoux 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, Trégué DA, Tremblay A, Tremoli E, Virtamo J, Vohl MC, Völker U, Waeber G, Willemssen G, Wittman 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, Njølstad 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, Wallaschofski H, Wareham NJ, Watkins H, Weir DR, Wichmann HE, Wilson JF, Zanen P, Borecki IB, Deloukas P, Fox CS, Heid IM, O'Connell JR, Strachan DP, Stefansson K, van Duijn CM, Abecasis GR, Franke L, Frayling TM, McCarthy MI, Visscher PM, Scherag A, Willer CJ, Boehnke M, Mohlke KL, Lindgren CM, Beckmann JS, Barroso I, North KE, Ingelsson E, Hirschhorn JN, Loos RJF, Speliotes EK. Genetic studies of body mass index yield new insights for obesity biology. *Nature*. 2015 Feb 12;518(7538):197-206. doi: 10.1038/nature14177. PubMed PMID: 25673413; PubMed Central PMCID: PMC4382211.

63. 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, Stančáková 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 AS, Eklund N, Erdos MR, Estrada K, Eury E, Friedrich N, Garcia ME, Giedraitis V, Gigante B, Go AS, Golay A, Grallert H, Grammer TB, Gräßler J, Grewal J, Groves CJ, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heikkilä K, Herzig KH, Helmer Q, Hillege HL, Holmen O, Hunt SC, Isaacs A, Ittermann T, James AL, Johansson I, Juliusdottir T, Kalafati IP, Kinnunen L, Koenig W, Kooner IK, Kratzer W, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Lobbens S, Lorentzon M, Mach F, Magnusson PK, Mahajan A, McArdle WL, Menni C, Merger S, Mihailov E, Milani L, Mills R, Moayyeri A, Monda KL, Mooijaart SP, Mühleisen TW, Mulas A, Müller G, Müller-Nurasyid M, Nagaraja R, Nalls MA, Narisu N, Glorioso N, Nolte IM, Olden M, Rayner NW, Renstrom F, Ried JS, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Sennblad B, Seufferlein T, Sitlani CM, 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 FV, Verweij N, Vonk JM, Waite LL, Wennauer R, Wilsaard 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 DR, Ma B, McKnight AJ, McPherson R, Metspalu A, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt RP, Olsson C, Perry JR, Reinmaa E, Salem RM, Sandholm N, Schadt EE, Scott RA, Stolk L, Vallejo EE, Westra HJ, Zondervan KT; ADIPOGen Consortium; CARDIOGRAMplusC4D Consortium; CKDGen Consortium; GEFOS Consortium; GENIE Consortium; GLGC; ICBP; International Endogene Consortium; LifeLines Cohort Study; MAGIC Investigators; MuTHER Consortium; PAGE Consortium; ReproGen Consortium; Amouyel P, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Blangero J, Brown MJ, Burnier M, Campbell H, Chakravarti A, Chines PS, Claudi-Boehm S, Collins FS, Crawford DC, Danesh J, de Faire U, de Geus EJ, Dörr M, Erbel R, Eriksson JG, Farrall M, Ferrannini E, Ferrières J, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gieger C, Gudnason V, Haiman CA, Harris TB, Hattersley AT, Heliövaara M, Hicks AA, Hingorani AD, Hoffmann W, Hofman A, Homuth G, Humphries SE, Hyppönen E, Illig T, Jarvelin MR, Johansen B, Jousilahti P, Jula AM, Kaprio J, Kee F, Keinanen-Kiukkaanniemi SM, Koener JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuulasmaa K, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Musk AW, Möhlenkamp S, Morris AD, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Palmer LJ, Penninx BW, Peters A, Pramstaller PP, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schwarz PE, Shuldiner AR, Staessen JA, Steinthorsdottir V, Stolk RP, Strauch K, Tönjes A, Tremblay A, Tremoli E, Vohl MC, Völker U, Vollenweider P, Wilson JF, Witteman JC, Adair LS, Bochud M, Boehm BO, Bornstein SR, Bouchard C, Cauchi S, Caulfield MJ, Chambers JC, Chasman DI, Cooper RS, Dedoussis G, Ferrucci L, Froguel P, Grabe HJ, Hamsten A, Hui J, Hveem K, Jöckel KH, Kivimäki M, Kuh D, Laakso M, Liu Y, März W, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sinisalo J, Slagboom PE, Snieider H, Spector TD, Stefansson K, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, van der Harst P, Veronesi G, Walker M, Wareham NJ, Watkins H, Wichmann HE, Abecasis GR, Assleson 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, Thorsteinsdottir U, van Duijn CM, Willer CJ, Visscher PM, Yang J, Hirschhorn JN, Zillikens MC, McCarthy MI, Speliotes EK, North KE, Fox CS, Barroso I, Franks PW, Ingelsson E, Heid IM, Loos RJ, Cupples LA, Morris AP, Lindgren CM, Mohlke KL. New genetic loci link adipose and insulin biology to body fat distribution. *Nature*. 2015 Feb 12;518(7538):187-196. doi: 10.1038/nature14132. PubMed PMID: 25673412; PubMed Central PMCID: PMC4338562.

64. Vai S, Ghirotto S, Pilli E, Tassi F, Lari M, Rizzi E, Matas-Laluzza L, Ramirez O, Laluzza-Fox C, Achilli A, Olivieri A, Torrioni A, Lancioni H, Giostra C, Bedini E, Pejrani Baricco L, **MATULLO G**, Di Gaetano C, Piazza A, Veeramah K, Geary P, Caramelli D, Barbujani G. Genealogical relationships between early medieval and modern inhabitants of Piedmont. *PLoS One*. 2015 Jan 30;10(1):e0116801. doi: 10.1371/journal.pone.0116801. eCollection 2015. PubMed PMID: 25635682; PubMed Central PMCID: PMC4312042.

65. Robino C, Ralf A, Pasino S, De Marchi MR, Ballantyne KN, Barbaro A, Bini C, Carnevali E, Casarino L, Di Gaetano C, Fabbri M, Ferri G, Giardina E, Gonzalez A, **MATULLO G**, Nutini AL, Onofri V, Piccinini A, Piglionica M, Ponzano E, Prevederè C, Resta N, Scarnicci F, Seidita G, Sorçaburu-Cigliero S, Turrina S, Verzeletti A, Kayser M. Development of an Italian RM Y-STR haplotype database: Results of the 2013 GEFI collaborative exercise. *Forensic Sci Int Genet*. 2015 Mar;15:56-63. doi: 10.1016/j.fsigen.2014.10.008. Epub 2014 Oct 14. PubMed PMID: 25457630.

66. Pardini B, Rosa F, Naccarati A, Vymetalkova V, Ye Y, Wu X, di Gaetano C, Buchler T, Novotny J, **MATULLO G**, Vodicka P. Polymorphisms in microRNA genes as predictors of clinical outcomes in colorectal cancer patients. *Carcinogenesis*. 2015 Jan;36(1):82-6. doi: 10.1093/carcin/bgu224. Epub 2014 Nov 3. PubMed PMID: 25368035.

67. Campanella G, Polidoro S, Di Gaetano C, Fiorito G, Guarrera S, Krogh V, Palli D, Panico S, Sacerdote C, Tumino R, Elliott P, **MATULLO G**, Chadeau-Hyam M, Vineis P. Epigenetic signatures of internal migration in Italy. *Int J Epidemiol*. 2015 Aug 1;44(4):1442-1449. doi: 10.1093/ije/dyu198. Epub 2014 Oct 15. PubMed PMID: 25324151; PubMed Central PMCID: PMC4588856.

68. Russo A, Modica F, Guarrera S, Fiorito G, Pardini B, Viberti C, Allione A, Critelli R, Bosio A, Casetta G, Cucchiareale G, Destefanis P, Gontero P, Rolle L, Zitella A, Fontana D, Frea B, Vineis P, Sacerdote C, **MATULLO G** #. Shorter leukocyte telomere length is independently associated with poor survival in patients with bladder cancer. *Cancer Epidemiol Biomarkers Prev*. 2014 Nov;23(11):2439-46. doi: 10.1158/1055-9965.EPI-14-0228. Epub 2014 Sep 18. PubMed PMID: 25234236.

69. Betti M, Casalone E, Ferrante D, Romanelli A, Grosso F, Guarrera S, Righi L, Vatrano S, Pelosi G, Libener R, Mirabelli D, Boldorini R, Casadio C, Papotti M, **MATULLO G**, Magnani C, Dianzani I. Inference on germline BAP1 mutations and asbestos exposure from the analysis of familial and sporadic mesothelioma in a high-risk area. *Genes Chromosomes Cancer*. 2015 Jan;54(1):51-62. doi: 10.1002/gcc.22218. Epub 2014 Sep 18. PubMed PMID: 25231345.

70. Hoggart CJ, Venturini G, Mangino M, Gomez F, Ascari G, Zhao JH, Teumer A, Winkler TW, Tšernikova N, Luan J, Mihailov E, Ehret GB, Zhang W, Lamparter D, Esko T, Macé A, Rieger S, Bochud PY, Barcella M, Dauvilliers Y, Benyamin B, Evans DM, Hayward C, Lopez MF, Franke L, Russo A, Heid IM, Salvi E, Vendantam S, Arking DE, Boerwinkle E, Chambers JC, Fiorito G, Grallert H, Guarrera S, Homuth G, Huffman JE, Porteous D; Generation Scotland Consortium; LifeLines Cohort study; GIANT Consortium, Moradpour D, Iranzo A, Hebebrand J, Kemp JP, Lammers GJ, Aubert V, Heim MH, Martin NG, Montgomery GW, Peraïta-Adrados R, Santamaria J, Negro F, Schmidt CO, Scott RA, Spector TD, Strauch K, Völzke H, Wareham NJ, Yuan W, Bell JT, Chakravarti A, Koener JS, Peters A, **MATULLO G**, Wallaschofski H, Whitfield JB, Paccard F, Vollenweider P, Bergmann S, Beckmann JS, Tafti M, Hastie ND, Cusi D, Bochud M, Frayling TM, Metspalu A, Jarvelin MR, Scherag A, Smith GD, Borecki IB, Rousson V, Hirschhorn JN, Rivolta C, Loos RJ, Kutalik Z. Novel approach identifies SNPs in SLC2A10 and KCNK9 with evidence for parent-of-origin effect on body mass index. *PLoS Genet*. 2014 Jul 31;10(7):e1004508. doi: 10.1371/journal.pgen.1004508. eCollection 2014 Jul. PubMed PMID: 25078964; PubMed Central PMCID: PMC4117451.

71. Di Castelnuovo A, Agnoli C, de Curtis A, Giurdanella MC, Sieri S, Mattiello A, **MATULLO G**, Panico S, Sacerdote C, Tumino R, Vineis P, de Gaetano G, Donati MB, Iacoviello L. Elevated levels of D-dimers increase the risk of ischaemic and haemorrhagic stroke. Findings from the EPICOR Study. *Thromb Haemost*. 2014 Nov;112(5):941-6. doi: 10.1160/TH14-04-0297. Epub 2014 Jul 17. PubMed PMID: 25030937.

72. Ganesh SK, Chasman DI, Larson MG, Guo X, Verwoert G, Bis JC, Gu X, Smith AV, Yang ML, Zhang Y, Ehret G, Rose LM, Hwang SJ, Papanicolaou GJ, Sijbrands EJ, Rice K, Eiriksdottir G, Pihur V, Ridker PM, Vasani RS, Newton-Cheh C; Global Blood Pressure Genetics Consortium, Raffel LJ, Amin N, Rotter JI, Liu K, Launer LJ, Xu M, Caulfield M, Morrison AC, Johnson AD, Vaidya D, Dehghan A, Li G, Bouchard C, Harris TB, Zhang H, Boerwinkle E, Siscovick DS, Gao W, Uitterlinden AG, Rivadeneira F, Hofman A,

Willer CJ, Franco OH, Huo Y, Witteman JC, Munroe PB, Gudnason V, Palmas W, van Duijn C, Fornage M, Levy D, Psaty BM, Chakravarti A. Effects of long-term averaging of quantitative blood pressure traits on the detection of genetic associations. *Am J Hum Genet.* 2014 Jul 3;95(1):49-65. doi: 10.1016/j.ajhg.2014.06.002. Epub 2014 Jun 26. PubMed PMID: 24975945; PubMed Central PMCID: PMC4085637.

73. Rafnar T, Sulem P, Thorleifsson G, Vermeulen SH, Helgason H, Saemundsdottir J, Gudjonsson SA, Sigurdsson A, Stacey SN, Gudmundsson J, Johannsdottir H, Alexiusdottir K, Petursdottir V, Nikulasson S, Geirsson G, Jonsson T, Aben KK, Grotenhuis AJ, Verhaegh GW, Dudek AM, Witjes JA, van der Heijden AG, Vrieling A, Galesloot TE, De Juan A, Panadero A, Rivera F, Hurst C, Bishop DT, Sak SC, Choudhury A, Teo MT, Arici C, Carta A, Toninelli E, de Verdier P, Rudnai P, Gurzau E, Koppova K, van der Keur KA, Lurkin I, Goossens M, Kellen E, Guarrera S, Russo A, Critelli R, Sacerdote C, Vineis P, Krucker C, Zeegers MP, Gerullis H, Ovsianikov D, Volkert F, Hengstler JG, Selinski S, Magnusson OT, Masson G, Kong A, Gudbjartsson D, Lindblom A, Zwarthoff E, Porru S, Golka K, Buntinx F, Matullo G, Kumar R, Mayordomo JI, Steineck DG, Kiltie AE, Jonsson E, Radvanyi F, Knowles MA, Thorsteinsdottir U, Kiemeny LA, Stefansson K. Genome-wide association study yields variants at 20p12.2 that associate with urinary bladder cancer. *Hum Mol Genet.* 2014 Oct 15;23(20):5545-57. doi: 10.1093/hmg/ddu264. Epub 2014 May 26. PubMed PMID: 24861552.

74. Hosnijeh FS, **MATULLO G**, Russo A, Guarrera S, Modica F, Nieters A, Overvad K, Guldborg P, Tjønneland A, Canzian F, Boeing H, Aleksandrova K, Trichopoulou A, Lagiou P, Trichopoulos D, Tagliabue G, Tumino R, Panico S, Palli D, Olsen KS, Weiderpass E, Dorronsoro M, Ardanaz E, Chirlaque MD, Sánchez MJ, Quirós JR, Venceslá A, Melin B, Johansson AS, Nilsson P, Borgquist S, Peeters PH, Onland-Moret NC, Bueno-de-Mesquita HB, Travis RC, Khaw KT, Wareham N, Brennan P, Ferrari P, Gunter MJ, Vineis P, Vermeulen R. Prediagnostic telomere length and risk of B-cell lymphoma-Results from the EPIC cohort study. *Int J Cancer.* 2014 Dec 15;135(12):2910-7. doi: 10.1002/ijc.28934. Epub 2014 May 12. PubMed PMID: 24771230.

75. Godschalk RW, Ersson C, Stępnik M, Ferlińska M, Palus J, Teixeira JP, Costa S, Jones GD, Higgins JA, Kain J, Möller L, Forchhammer L, Loft S, Lorenzo Y, Collins AR, van Schooten FJ, Laffon B, Valdiglesias V, Cooke M, Mistry V, Karbaschi M, Phillips DH, Sozeri O, Routledge MN, Nelson-Smith K, Riso P, Porrini M, López de Cerain A, Azqueta A, **MATULLO G**, Allione A, Møller P. Variation of DNA damage levels in peripheral blood mononuclear cells isolated in different laboratories. *Mutagenesis.* 2014 Jul;29(4):241-9. doi: 10.1093/mutage/geu012. Epub 2014 Apr 15. PubMed PMID: 24737269.

76. Di Gaetano C, Fiorito G, Ortu MF, Rosa F, Guarrera S, Pardini B, Cusi D, Frau F, Barlassina C, Troffa C, Argiolas G, Zaninello R, Fresu G, Glorioso N, Piazza A, **MATULLO G** #. Sardinians genetic background explained by runs of homozygosity and genomic regions under positive selection. *PLoS One.* 2014 Mar 20;9(3):e91237. doi: 10.1371/journal.pone.0091237. eCollection 2014. PubMed PMID: 24651212; PubMed Central PMCID: PMC3961211.

77. Fiorito G, Guarrera S, Valle C, Ricceri F, Russo A, Grioni S, Mattiello A, Di Gaetano C, Rosa F, Modica F, Iacoviello L, Frasca G, Tumino R, Krogh V, Panico S, Vineis P, Sacerdote C, **MATULLO G** #. B-vitamins intake, DNA-methylation of One Carbon Metabolism and homocysteine pathway genes and myocardial infarction risk: the EPICOR study. *Nutr Metab Cardiovasc Dis.* 2014 May;24(5):483-8. doi: 10.1016/j.numecd.2013.10.026. Epub 2013 Nov 6. PubMed PMID: 24418380.

78. Iacoviello L, Agnoli C, De Curtis A, di Castelnuovo A, Giurdanella MC, Krogh V, Mattiello A, **MATULLO G**, Sacerdote C, Tumino R, Vineis P, de Gaetano G, Panico S, Donati MB. Type 1 plasminogen activator inhibitor as a common risk factor for cancer and ischaemic vascular disease: the EPICOR study. *BMJ Open.* 2013 Nov 14;3(11):e003725. doi: 10.1136/bmjopen-2013-003725. PubMed PMID: 24231461; PubMed Central PMCID: PMC3831102.

79. Allione A, Guarrera S, Russo A, Ricceri F, Purohit R, Pagnani A, Rosa F, Polidoro S, Voglino F, **MATULLO G** #. Inter-individual variation in nucleotide excision repair pathway is modulated by non-synonymous polymorphisms in ERCC4 and MBD4 genes. *Mutat Res.* 2013 Nov-Dec;751-752:49-54. doi: 10.1016/j.mrfmmm.2013.08.005. Epub 2013 Sep 1. PubMed PMID: 24004570.

80. **MATULLO G** #, Di Gaetano C, Guarrera S. Next generation sequencing and rare genetic variants: from human population studies to medical genetics. *Environ Mol Mutagen.* 2013 Aug;54(7):518-32. doi: 10.1002/em.21799. Epub 2013 Aug 6. Review. PubMed PMID: 23922201.

81. Polidoro S, Broccoletti R, Campanella G, Di Gaetano C, Menegatti E, Scoletta M, Lerda E, **MATULLO G**, Vineis P, Berardi D, Scully C, Arduino PG. Effects of bisphosphonate treatment on DNA methylation in osteonecrosis of the jaw. *Mutat Res.* 2013 Oct 9;757(2):104-13. doi: 10.1016/j.mrgentox.2013.07.003. Epub 2013 Jul 24. PubMed PMID: 23892139.

82. Godschalk RW, Ersson C, Riso P, Porrini M, Langie SA, van Schooten FJ, Azqueta A, Collins AR, Jones GD, Kwok RW, Phillips DH, Sozeri O, Allione A, **MATULLO G**, Möller L, Forchhammer L, Loft S, Møller P. DNA-repair measurements by use of the modified comet assay: an inter-laboratory comparison within the European Comet Assay Validation Group (ECVAG). *Mutat Res.* 2013 Sep 18;757(1):60-7. doi: 10.1016/j.mrgentox.2013.06.020. Epub 2013 Jul 2. PubMed PMID: 23830929.

83. Cadby G, Mukherjee S, Musk AW, Reid A, Garlepp M, Dick I, Robinson C, Hui J, Fiorito G, Guarrera S, Beilby J, Melton PE, Moses EK, Ugolini D, Mirabelli D, Bonassi S, Magnani C, Dianzani U, **MATULLO G**, Robinson B, Creaney J, Palmer LJ. A genome-wide association study for malignant mesothelioma risk. *Lung Cancer.* 2013 Oct;82(1):1-8. doi: 10.1016/j.lungcan.2013.04.018. Epub 2013 Jul 1. PubMed PMID: 23827383.

84. Sim X, Jensen RA, Ikram MK, Cotch MF, Li X, MacGregor S, Xie J, Smith AV, Boerwinkle E, Mitchell P, Klein R, Klein BE, Glazer NL, Lumley T, McKnight B, Psaty BM, de Jong PT, Hofman A, Rivadeneira F, Uitterlinden AG, van Duijn CM, Aspelund T, Eiriksdottir G, Harris TB, Jonasson F, Launer LJ; Wellcome Trust Case Control Consortium 2, Attia J, Baird PN, Harrap S, Holliday EG, Inouye M, Roachchina E, Scott RJ, Viswanathan A; Global BPGen Consortium, Li G, Smith NL, Wiggins KL, Kuo JZ, Taylor KD, Hewitt AW, Martin NG, Montgomery GW, Sun C, Young TL, Mackey DA, van Zuydam NR, Doney AS, Palmer CN, Morris AD, Rotter JI, Tai ES, Gudnason V, Vingerling JR, Siscovick DS, Wang JJ, Wong TY. Genetic loci for retinal arteriolar microcirculation. *PLoS One.* 2013 Jun 12;8(6):e65804. doi: 10.1371/journal.pone.0065804. Print 2013. PubMed PMID: 23776548; PubMed Central PMCID: PMC3680438.

85. Allione A, Porcedda P, Russo A, Ricceri F, Simonelli V, Minoprio A, Guarrera S, Pardini B, Mazzei F, Dogliotti E, Giachino C, **MATULLO G** #. Effect of blood storage conditions on DNA repair capacity measurements in peripheral blood mononuclear cells. *Mutat Res.* 2013 Sep;749(1-2):73-9. doi: 10.1016/j.mrfmmm.2013.05.001. Epub 2013 May 30. PubMed PMID: 23727398.

86. Simonelli V, Camerini S, Mazzei F, Van Loon B, Allione A, D'Errico M, Barone F, Minoprio A, Ricceri F, Guarrera S, Russo A, Dalhus B, Crescenzi M, Hübscher U, Bjørås M, **MATULLO G**, Dogliotti E. Genotype-phenotype analysis of S326C OGG1 polymorphism: a risk factor for oxidative pathologies. *Free Radic Biol Med*. 2013 Oct;63:401-9. doi: 10.1016/j.freeradbiomed.2013.05.031. Epub 2013 May 28. PubMed PMID: 23726996.
87. **MATULLO G**, Guarrera S, Betti M, Fiorito G, Ferrante D, Voglino F, Cadby G, Di Gaetano C, Rosa F, Russo A, Hirvonen A, Casalone E, Tunesi S, Padoan M, Giordano M, Aspesi A, Casadio C, Ardisson F, Ruffini E, Betta PG, Libener R, Guaschino R, Piccolini E, Neri M, Musk AW, de Klerk NH, Hui J, Beilby J, James AL, Creaney J, Robinson BW, Mukherjee S, Palmer LJ, Mirabelli D, Ugolini D, Bonassi S, Magnani C, Dianzani I. Genetic variants associated with increased risk of malignant pleural mesothelioma: a genome-wide association study. *PLoS One*. 2013 Apr 23;8(4):e61253. doi: 10.1371/journal.pone.0061253. Print 2013. Erratum in: *PLoS One*. 2015;10(6):e0130109. PubMed PMID: 23626673; PubMed Central PMCID: PMC3634031.
88. Sacerdote C, Guarrera S, Ricceri F, Pardini B, Polidoro S, Allione A, Critelli R, Russo A, Andrew AS, Ye Y, Wu X, Kiemeny LA, Bosio A, Casetta G, Cucchiareale G, Destefanis P, Gontero P, Rolle L, Zitella A, Fontana D, Vineis P, **MATULLO G**. Polymorphisms in the XRCC1 gene modify survival of bladder cancer patients treated with chemotherapy. *Int J Cancer*. 2013 Oct 15;133(8):2004-9. doi: 10.1002/ijc.28186. Epub 2013 Apr 25. PubMed PMID: 23553206; PubMed Central PMCID: PMC3804126.
89. Ersson C, Møller P, Forchhammer L, Loft S, Azqueta A, Godschalk RW, van Schooten FJ, Jones GD, Higgins JA, Cooke MS, Mistry V, Karbaschi M, Phillips DH, Sozeri O, Routledge MN, Nelson-Smith K, Riso P, Porrini M, **MATULLO G**, Allione A, Stepnik M, Ferlińska M, Teixeira JP, Costa S, Corcuera LA, López de Cerain A, Laffon B, Valdiglesias V, Collins AR, Möller L. An ECVAG inter-laboratory validation study of the comet assay: inter-laboratory and intra-laboratory variations of DNA strand breaks and FPG-sensitive sites in human mononuclear cells. *Mutagenesis*. 2013 May;28(3):279-86. doi: 10.1093/mutage/get001. Epub 2013 Feb 27. PubMed PMID: 23446176.
90. Di Gaetano C, **MATULLO G**, Piazza A, Ursino M, Gasparini M. A proximity-based method to identify genomic regions correlated with a continuously varying environmental variable. *Evol Bioinform Online*. 2013;9:29-42. doi: 10.4137/EBO.S10211. Epub 2013 Jan 29. PubMed PMID: 23423242; PubMed Central PMCID: PMC3565544.
91. Molineris I, Schiavone D, Rosa F, **MATULLO G**, Poli V, Provero P. Identification of functional cis-regulatory polymorphisms in the human genome. *Hum Mutat*. 2013 May;34(5):735-42. doi: 10.1002/humu.22299. Epub 2013 Apr 5. PubMed PMID: 23420607.
92. Russo A, Palumbo L, Fornengo C, Di Gaetano C, Ricceri F, Guarrera S, Critelli R, Anselmino M, Piazza A, Gaita F, Bergerone S, **MATULLO G**. Telomere length variation in juvenile acute myocardial infarction. *PLoS One*. 2012;7(11):e49206. doi: 10.1371/journal.pone.0049206. Epub 2012 Nov 7. PubMed PMID: 23145125; PubMed Central PMCID: PMC3492293.
93. Allione A, Russo A, Ricceri F, Vande Loock K, Guarrera S, Voglino F, Kirsch-Volders M, **MATULLO G**. Validation of the nucleotide excision repair comet assay on cryopreserved PBMCs to measure inter-individual variation in DNA repair capacity. *Mutagenesis*. 2013 Jan;28(1):65-70. doi: 10.1093/mutage/ges054. Epub 2012 Oct 5. PubMed PMID: 23042048.
94. Di Gaetano C, Voglino F, Guarrera S, Fiorito G, Rosa F, Di Blasio AM, Manzini P, Dianzani I, Betti M, Cusi D, Frau F, Barlassina C, Mirabelli D, Magnani C, Glorioso N, Bonassi S, Piazza A, **MATULLO G**. An overview of the genetic structure within the Italian population from genome-wide data. *PLoS One*. 2012;7(9):e43759. doi: 10.1371/journal.pone.0043759. Epub 2012 Sep 12. PubMed PMID: 22984441; PubMed Central PMCID: PMC3440425.
95. Forchhammer L, Ersson C, Loft S, Möller L, Godschalk RW, van Schooten FJ, Jones GD, Higgins JA, Cooke M, Mistry V, Karbaschi M, Collins AR, Azqueta A, Phillips DH, Sozeri O, Routledge MN, Nelson-Smith K, Riso P, Porrini M, **MATULLO G**, Allione A, Stepnik M, Komorowska M, Teixeira JP, Costa S, Corcuera LA, López de Cerain A, Laffon B, Valdiglesias V, Möller P. Inter-laboratory variation in DNA damage using a standard comet assay protocol. *Mutagenesis*. 2012 Nov;27(6):665-72. doi: 10.1093/mutage/ges032. Epub 2012 Jul 27. Erratum in: *Mutagenesis*. 2013 Mar;28(2):241. Steepnik, Maciej [corrected to Stepnik, Maciej]. PubMed PMID: 22844078.
96. Colonna V, Pistis G, Bomba L, Mona S, **MATULLO G**, Boano R, Sala C, Viganò F, Torroni A, Achilli A, Hooshar Kashani B, Malerba G, Gambaro G, Soranzo N, Toniolo D. Small effective population size and genetic homogeneity in the Val Borbera isolate. *Eur J Hum Genet*. 2013 Jan;21(1):89-94. doi: 10.1038/ejhg.2012.113. Epub 2012 Jun 20. PubMed PMID: 22713810; PubMed Central PMCID: PMC3522197.
97. Crowe FL, Key TJ, Appleby PN, Overvad K, Schmidt EB, Egeberg R, Tjønneland A, Kaaks R, Teucher B, Boeing H, Weikert C, Trichopoulou A, Ouranos V, Valanou E, Masala G, Sieri S, Panico S, Tumino R, **MATULLO G**, Bueno-de-Mesquita HB, Boer JM, Beulens JW, van der Schouw YT, Quirós JR, Buckland G, Sánchez MJ, Dorronsoro M, Huerta JM, Moreno-Iribas C, Hedblad B, Janssen JH, Wennberg P, Khaw KT, Wareham N, Ferrari P, Illner AK, Chuang SC, Norat T, Danesh J, Riboli E. Dietary fibre intake and ischaemic heart disease mortality: the European Prospective Investigation into Cancer and Nutrition-Heart study. *Eur J Clin Nutr*. 2012 Aug;66(8):950-6. doi: 10.1038/ejcn.2012.51. Epub 2012 May 23. PubMed PMID: 22617277.
98. Guarrera S, Ricceri F, Polidoro S, Sacerdote C, Allione A, Rosa F, Voglino F, Critelli R, Russo A, Vineis P, **MATULLO G**. Association between total number of deaths, diabetes mellitus, incident cancers, and haplotypes in chromosomal region 8q24 in a prospective study. *Am J Epidemiol*. 2012 Mar 15;175(6):479-87. doi: 10.1093/aje/kwr430. Epub 2012 Feb 20. PubMed PMID: 22350583.
99. Schena M, Guarrera S, Buffoni L, Salvadori A, Voglino F, Allione A, Pecorari G, Ruffini E, Garzino-Demo P, Bustreo S, Consito L, Bironzo P, **MATULLO G**. DNA repair gene expression level in peripheral blood and tumour tissue from non-small cell lung cancer and head and neck squamous cell cancer patients. *DNA Repair (Amst)*. 2012 Apr 1;11(4):374-80. doi: 10.1016/j.dnarep.2012.01.003. Epub 2012 Jan 28. PubMed PMID: 22284908.
100. Salvi E, Kutalik Z, Glorioso N, Benaglio P, Frau F, Kuznetsova T, Arima H, Hoggart C, Tichet J, Nikitin YP, Conti C, Seidlerova J, Tikhonov V, Stolarz-Skrzypek K, Johnson T, Devos N, Zagato L, Guarrera S, Zaninello R, Calabria A, Stancanelli B, Troffa C, Thijs L, Rizzi F, Simonova G, Lupoli S, Argiolas G, Braga D, D'Alessio MC, Ortu MF, Ricceri F, Mercurio M, Descombes P,

- Marconi M, Chalmers J, Harrap S, Filipovsky J, Bochud M, Iacoviello L, Ellis J, Stanton AV, Laan M, Padmanabhan S, Dominiczak AF, Samani NJ, Melander O, Jeunemaitre X, Manunta P, Shabo A, Vineis P, Cappuccio FP, Caulfield MJ, Matullo G, Rivolta C, Munroe PB, Barlassina C, Staessen JA, Beckmann JS, Cusi D. Genomewide association study using a high-density single nucleotide polymorphism array and case-control design identifies a novel essential hypertension susceptibility locus in the promoter region of endothelial NO synthase. *Hypertension*. 2012 Feb;59(2):248-55. doi: 10.1161/HYPERTENSIONAHA.111.181990. Epub 2011 Dec 19. PubMed PMID: 22184326; PubMed Central PMCID: PMC3272453.
101. Johnson T, Gaunt TR, Newhouse SJ, Padmanabhan S, Tomaszewski M, Kumari M, Morris RW, Tzoulaki I, O'Brien ET, Poulter NR, Sever P, Shields DC, Thom S, Wannamethee SG, Whincup PH, Brown MJ, Connell JM, Dobson RJ, Howard PJ, Mein CA, Onipinla A, Shaw-Hawkins S, Zhang Y, Davey Smith G, Day IN, Lawlor DA, Goodall AH; Cardiogenics Consortium, Fowkes FG, Abecasis GR, Elliott P, Gateva V; Global BPgen Consortium, Braund PS, Burton PR, Nelson CP, Tobin MD, van der Harst P, Glorioso N, Neuvirth H, Salvi E, Staessen JA, Stucchi A, Devos N, Jeunemaitre X, Plouin PF, Tichet J, Juhanson P, Org E, Putku M, Söber S, Veldre G, Viigimaa M, Levinsson A, Rosengren A, Thelle DS, Hastie CE, Hedner T, Lee WK, Melander O, Wahlstrand B, Hardy R, Wong A, Cooper JA, Palmen J, Chen L, Stewart AF, Wells GA, Westra HJ, Wolfs MG, Clarke R, Franzosi MG, Goel A, Hamsten A, Lathrop M, Peden JF, Seedorf U, Watkins H, Ouwehand WH, Sambrook J, Stephens J, Casas JP, Drenos F, Holmes MV, Kivimaki M, Shah S, Shah T, Talmud PJ, Whittaker J, Wallace C, Delles C, Laan M, Kuh D, Humphries SE, Nyberg F, Cusi D, Roberts R, Newton-Cheh C, Franke L, Stanton AV, Dominiczak AF, Farrall M, Hingorani AD, Samani NJ, Caulfield MJ, Munroe PB. Blood pressure loci identified with a gene-centric array. *Am J Hum Genet*. 2011 Dec 9;89(6):688-700. doi: 10.1016/j.ajhg.2011.10.013. Epub 2011 Nov 17. PubMed PMID: 22100073; PubMed Central PMCID: PMC3234370.
102. Di Gaetano C, Marozio L, Voglino F, Guarrera S, Tancredi A, Gibbone E, Benedetto C, Gasparini M, Piazza A, **MATULLO G**. Role of the 12q24.12 locus in the onset of preeclampsia: an Italian case-control study. *J Matern Fetal Neonatal Med*. 2012 Aug;25(8):1228-32. doi: 10.3109/14767058.2011.636097. Epub 2011 Nov 29. PubMed PMID: 22082154.
103. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P; STROBE Statement. STrengthening the Reporting of OBservational studies in Epidemiology--Molecular Epidemiology (STROBE-ME): an extension of the STROBE Statement. *PLoS Med*. 2011 Oct;8(10):e1001117. doi: 10.1371/journal.pmed.1001117. Epub 2011 Oct 25. PubMed PMID: 22039356; PubMed Central PMCID: PMC3201942.
104. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the reporting of OBservational studies in Epidemiology--Molecular Epidemiology (STROBE-ME): an extension of the STROBE statement. *Eur J Epidemiol*. 2011 Oct;26(10):797-810. doi: 10.1007/s10654-011-9622-1. Epub 2011 Oct 29. Erratum in: *Eur J Epidemiol*. 2012 Feb;27(2):151. PubMed PMID: 22037796.
105. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the Reporting of OBservational studies in Epidemiology--Molecular Epidemiology STROBE-ME: an extension of the STROBE statement. *J Clin Epidemiol*. 2011 Dec;64(12):1350-63. doi: 10.1016/j.jclinepi.2011.07.010. Erratum in: *J Clin Epidemiol*. 2012 Jul;65(7):813. PubMed PMID: 22030070.
106. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the Reporting of OBservational studies in Epidemiology--Molecular Epidemiology (STROBE-ME): an extension of the STROBE statement. *Prev Med*. 2011 Dec;53(6):377-87. doi: 10.1016/j.ypmed.2011.08.007. Epub 2011 Oct 24. Erratum in: *Prev Med*. 2012 May;54(5):367. PubMed PMID: 22029945.
107. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the Reporting of OBservational studies in Epidemiology--Molecular Epidemiology (STROBE-ME): an extension of the STROBE statement. *Mutagenesis*. 2012 Jan;27(1):17-29. doi: 10.1093/mutage/ger039. Epub 2011 Oct 25. Erratum in: *Mutagenesis*. 2012 May;27(3):383. PubMed PMID: 22027842.
108. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the Reporting of OBservational studies in Epidemiology: Molecular Epidemiology STROBE-ME. An extension of the STROBE statement. *J Epidemiol Community Health*. 2012 Sep;66(9):844-54. doi: 10.1136/jech-2011-200318. Epub 2011 Oct 24. PubMed PMID: 22025194.
109. Gallo V, Egger M, McCormack V, Farmer PB, Ioannidis JP, Kirsch-Volders M, **MATULLO G**, Phillips DH, Schoket B, Stromberg U, Vermeulen R, Wild C, Porta M, Vineis P. STrengthening the Reporting of OBservational studies in Epidemiology - Molecular Epidemiology (STROBE-ME): an extension of the STROBE statement. *Eur J Clin Invest*. 2012 Jan;42(1):1-16. doi: 10.1111/j.1365-2362.2011.02561.x. Epub 2011 Oct 25. Erratum in: *Eur J Clin Invest*. 2012 Apr;42(4):462. PubMed PMID: 22023344.
110. Chambers JC, Zhang W, Sehmi J, Li X, Wass MN, Van der Harst P, Holm H, Sanna S, Kavousi M, Baumeister SE, Coin LJ, Deng G, Gieger C, Heard-Costa NL, Hottenga JJ, Kühnel B, Kumar V, Lagou V, Liang L, Luan J, Vidal PM, Mateo Leach I, O'Reilly PF, Peden JF, Rahmioglu N, Soininen P, Speliotes EK, Yuan X, Thorleifsson G, Alizadeh BZ, Atwood LD, Borecki IB, Brown MJ, Charoen P, Cucca F, Das D, de Geus EJ, Dixon AL, Döring A, Ehret G, Eyjolfsson GI, Farrall M, Forouhi NG, Friedrich N, Goessling W, Gudbjartsson DF, Harris TB, Hartikainen AL, Heath S, Hirschfeld GM, Hofman A, Homuth G, Hyppönen E, Janssen HL, Johnson T, Kangas AJ, Kema IP, Kühn JP, Lai S, Lathrop M, Lerch MM, Li Y, Liang TJ, Lin JP, Loos RJ, Martin NG, Moffatt MF, Montgomery GW, Munroe PB, Musunuru K, Nakamura Y, O'Donnell CJ, Olafsson I, Penninx BW, Pouta A, Prins BP, Prokopenko I, Puls R, Ruokonen A, Savolainen MJ, Schlessinger D, Schouten JN, Seedorf U, Sen-Chowdhry S, Siminovitsh KA, Smit JH, Spector TD, Tan W, Teslovich TM, Tukiainen T, Uitterlinden AG, Van der Klauw MM, Vasani RS, Wallace C, Wallaschofski H, Wichmann HE, Willemssen G, Würtz P, Xu C, Yerges-Armstrong LM; Alcohol Genome-wide Association (AlcGen) Consortium; Diabetes Genetics Replication and Meta-analyses (DIAGRAM+) Study; Genetic Investigation of Anthropometric Traits (GIANT) Consortium; Global Lipids Genetics Consortium; Genetics of Liver Disease (GOLD) Consortium; International Consortium for Blood Pressure (ICBP-GWAS); Meta-analyses of Glucose and Insulin-Related Traits Consortium (MAGIC), Abecasis GR, Ahmadi KR, Boomsma DI, Caulfield M, Cookson WO, van Duijn CM, Froguel P, Matsuda K, McCarthy MI, Meisinger C, Mooser V, Pietiläinen KH, Schumann G, Snieder H, Sternberg MJ, Stolk RP, Thomas HC, Thorsteinsdottir U, Uda M, Waeber G, Wareham NJ, Waterworth DM, Watkins H, Whitfield JB, Witteman JC, Wolfenbutter BH, Fox CS, Ala-Korpela M, Stefansson K, Vollenweider P, Völzke H, Schadt EE, Scott J, Järvelin MR, Elliott P, Kooper JS. Genome-wide association study identifies loci influencing concentrations of liver enzymes in plasma. *Nat Genet*. 2011 Oct 16;43(11):1131-8. doi: 10.1038/ng.970. PubMed PMID: 22001757; PubMed Central PMCID: PMC3482372.

111. International Consortium for Blood Pressure Genome-Wide Association Studies, 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, Söber 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, Sjögren 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, Lehtimäki 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; CARDIOGRAM consortium; CKDGen Consortium; KidneyGen Consortium; EchoGen consortium; CHARGE-HF consortium, Aspelund T, Garcia M, Chang YP, O'Connell JR, Steinle NI, Grobbee DE, Arking DE, Kardia 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, Kähönen M, Viikari J, Adair LS, Lee NR, Chen MH, Olden M, Pattaro C, Bolton JA, Köttgen A, Bergmann S, Mooser V, Chaturvedi N, Frayling TM, Islam M, Jafar TH, Erdmann J, Kulkarni SR, Bornstein SR, Grässler 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, Snieder H, Wang X, Zhu H, Lohman KK, Rudock ME, Heckbert SR, Smith NL, Wiggins KL, Doumatey 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, Stančáková 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, Lytykäinen LP, Soininen P, Tukiainen T, Würtz P, Ong RT, Dörr M, Kroemer HK, Völker U, Völzke 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-Szczzechowska 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, Kivimäki 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, Gyllenstein 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*. 2011 Sep 11;478(7367):103-9. doi: 10.1038/nature10405. PubMed PMID: 21909115; PubMed Central PMCID: PMC3340926.
112. Ricceri F, Porcedda P, Allione A, Turinetto V, Polidoro S, Guarrera S, Rosa F, Vogliano F, Pezzotti A, Minieri V, Accomasso L, Cibrario Rocchietti E, Orlando L, Giachino C, **MATULLO G**. Involvement of MRE11A and XPA gene polymorphisms in the modulation of DNA double-strand break repair activity: a genotype-phenotype correlation study. *DNA Repair (Amst)*. 2011 Oct 10;10(10):1044-50. doi: 10.1016/j.dnarep.2011.08.003. Epub 2011 Aug 30. PubMed PMID: 21880556.
113. Ricceri F, **MATULLO G**, Vineis P. Is there evidence of involvement of DNA repair polymorphisms in human cancer? *Mutat Res*. 2012 Aug 1;736(1-2):117-21. doi: 10.1016/j.mrfmmm.2011.07.013. Epub 2011 Aug 12. Review. PubMed PMID: 21864546.
114. Rafnar T, Vermeulen SH, Sulem P, Thorleifsson G, Aben KK, Witjes JA, Grotenhuis AJ, Verhaegh GW, Hulsbergen-van de Kaa CA, Besenbacher S, Gudbjartsson D, Stacey SN, Gudmundsson J, Johannsdottir H, Bjarnason H, Zanon C, Helgadóttir H, Jonasson JG, Tryggvadóttir L, Jonsson E, Geirsson G, Nikulasson S, Petursdóttir V, Bishop DT, Chung-Sak S, Choudhury A, Elliott F, Barrett JH, Knowles MA, de Verdier PJ, Ryk C, Lindblom A, Rudnai P, Gurzau E, Koppova K, Vineis P, Polidoro S, Guarrera S, Sacerdote C, Panadero A, Sanz-Velez JI, Sanchez M, Valdivia G, Garcia-Prats MD, Selinski S, Gerullis H, Hengstler JG, Ovsianikov D, Khezri A, Aminsharif A, Malekzadeh M, van den Berg LH, Ophoff RA, Veldink JH, Zeegers MP, Kellen E, Fostinelli J, Andreoli D, Arici C, Porru S, Buntinx F, Ghaderi A, Golka K, Mayordomo JI, **MATULLO G**, Kumar R, Steineck G, Kiltie AE, Kong A, Thorsteinsdóttir U, Stefansson K, Kiemeny LA. European genome-wide association study identifies SLC14A1 as a new urinary bladder cancer susceptibility gene. *Hum Mol Genet*. 2011 Nov 1;20(21):4268-81. doi: 10.1093/hmg/ddr303. Epub 2011 Jul 12. PubMed PMID: 21750109; PubMed Central PMCID: PMC3188988.
115. Schumann G, Coin LJ, Lourdasamy A, Charoen P, Berger KH, Stacey D, Desrivieres S, Aliev FA, Khan AA, Amin N, Aulchenko YS, Bakalkin G, Bakker SJ, Balkau B, Beulens JW, Bilbao A, de Boer RA, Beury D, Bots ML, Breetvelt EJ, Cauchi S, Cavalcanti-Proença C, Chambers JC, Clarke TK, Dahmen N, de Geus EJ, Dick D, Ducci F, Easton A, Edenberg HJ, Esko T, Fernández-Medarde A, Foroud T, Freimer NB, Girault JA, Grobbee DE, Guarrera S, Gudbjartsson DF, Hartikainen AL, Heath AC, Hesselbrock V, Hofman A, Hottenga JJ, Isohanni MK, Kaprio J, Khaw KT, Kuehnel B, Laitinen J, Lobbens S, Luan J, Mangino M, Maroteaux M, **MATULLO G**, McCarthy MI, Mueller C, Navis G, Numans ME, Núñez A, Nyholt DR, Onland-Moret CN, Oostra BA, O'Reilly PF, Palkovits M, Penninx BW, Polidoro S, Pouta A, Prokopenko I, Ricceri F, Santos E, Smit JH, Soranzo N, Song K, Sovio U, Stumvoll M, Surak I, Thorgeirsson TE, Thorsteinsdóttir U, Troakes C, Tyrifingsson T, Tönjes A, Uiterwaal CS, Uitterlinden AG, van der Harst P, van der Schouw YT, Staehlin O, Vogelzangs N, Vollenweider P, Waeber G, Wareham NJ, Waterworth DM, Whitfield JB, Wichmann EH, Willemssen G, Witteman JC, Yuan X, Zhai G, Zhao JH, Zhang W, Martin NG, Metspalu A, Doering A, Scott J, Spector TD, Loos RJ, Boomsma DI, Mooser V, Peltonen L, Stefansson K, van Duijn CM, Vineis P, Sommer WH, Kooner JS, Spanagel R, Heberlein UA, Jarvelin MR, Elliott P. Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. *Proc Natl Acad Sci U S A*. 2011 Apr 26;108(17):7119-24. doi: 10.1073/pnas.1017288108. Epub 2011 Apr 6. Erratum in: *Proc Natl Acad Sci U S A*. 2011 May 31;108(22):9316. Esk, Tõnu [corrected to Esko, Tõnu]. PubMed PMID: 21471458; PubMed Central PMCID: PMC3084048.
116. Saieva C, Peluso M, Masala G, Munnia A, Ceroti M, Piro S, Sera F, Bendinelli B, Pala V, Sieri S, Tumino R, Giurdanella MC, Panico S, Mattiello A, Vineis P, Polidoro S, **MATULLO G**, Palli D. Bulky DNA adducts and breast cancer risk in the prospective EPIC-Italy study. *Breast Cancer Res Treat*. 2011 Sep;129(2):477-84. doi: 10.1007/s10549-011-1472-8. Epub 2011 Mar 31. PubMed PMID: 21452020.

117. 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; International Consortium for Blood Pressure Genome-wide Association Studies (ICBP-GWAS), 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.* 2011 Jun 1;20(11):2273-84. doi: 10.1093/hmg/ddr092. Epub 2011 Mar 4. PubMed PMID: 21378095; PubMed Central PMCID: PMC3090190.
118. Betti M, Ferrante D, Padoan M, Guarrera S, Giordano M, Aspesi A, Mirabelli D, Casadio C, Ardisson F, Ruffini E, Betta PG, Libener R, Guaschino R, **MATULLO G**, Piccolini E, Magnani C, Dianzani U. XRCC1 and ERCC1 variants modify malignant mesothelioma risk: a case-control study. *Mutat Res.* 2011 Mar 15;708(1-2):11-20. doi: 10.1016/j.mrfmmm.2011.01.001. Epub 2011 Jan 26. PubMed PMID: 21277872.
119. Ikram MK, Sim X, Jensen RA, Cotch MF, Hewitt AW, Ikram MA, Wang JJ, Klein R, Klein BE, Breteler MM, Cheung N, Liew G, Mitchell P, Uitterlinden AG, Rivadeneira F, Hofman A, de Jong PT, van Duijn CM, Kao L, Cheng CY, Smith AV, Glazer NL, Lumley T, McKnight B, Psaty BM, Jonasson F, Eiriksdottir G, Aspelund T; Global BPgen Consortium, Harris TB, Launer LJ, Taylor KD, Li X, Iyengar SK, Xi Q, Sivakumaran TA, Mackey DA, Macgregor S, Martin NG, Young TL, Bis JC, Wiggins KL, Heckbert SR, Hammond CJ, Andrew T, Fahy S, Attia J, Holliday EG, Scott RJ, Islam FM, Rotter JI, McAuley AK, Boerwinkle E, Tai ES, Gudnason V, Siscovick DS, Vingerling JR, Wong TY. Four novel Loci (19q13, 6q24, 12q24, and 5q14) influence the microcirculation in vivo. *PLoS Genet.* 2010 Oct 28;6(10):e1001184. doi: 10.1371/journal.pgen.1001184. Erratum in: *PLoS Genet.* 2010;6(11). doi: 10.1371/annotation/841bfadf-85d1-4059-894f-2863d73fa963. Xueling, Sim [corrected to Sim, Xueling]. PubMed PMID: 21060863; PubMed Central PMCID: PMC2965750.
120. Peluso M, Munnia A, Piro S, Armillis A, Ceppi M, **MATULLO G**, Puntoni R. Smoking, DNA adducts and number of risk DNA repair alleles in lung cancer cases, in subjects with benign lung diseases and in controls. *J Nucleic Acids.* 2010 Oct 4;2010:386798. doi: 10.4061/2010/386798. PubMed PMID: 20976253; PubMed Central PMCID: PMC2952824.
121. Rothman N, Garcia-Closas M, Chatterjee N, Malats N, Wu X, Figueroa JD, Real FX, Van Den Berg D, **MATULLO G**, Baris D, Thun M, Kiemeny LA, Vineis P, De Vivo I, Albanes D, Purdue MP, Rafnar T, Hildebrandt MA, Kiltie AE, Cussenot O, Golka K, Kumar R, Taylor JA, Mayordomo JI, Jacobs KB, Kogevinas M, Hutchinson A, Wang Z, Fu YP, Prokunina-Olsson L, Burdett L, Yeager M, Wheeler W, Tardón A, Serra C, Carrato A, Garcia-Closas R, Lloreta J, Johnson A, Schwenn M, Karagas MR, Schned A, Andriole G Jr, Grubb R 3rd, Black A, Jacobs EJ, Diver WR, Gapstur SM, Weinstein SJ, Virtamo J, Cortessis VK, Gago-Dominguez M, Pike MC, Stern MC, Yuan JM, Hunter DJ, McGrath M, Dinney CP, Czerniak B, Chen M, Yang H, Vermeulen SH, Aben KK, Witjes JA, Makkinje RR, Sulem P, Besenbacher S, Stefansson K, Riboli E, Brennan P, Panico S, Navarro C, Allen NE, Bueno-de-Mesquita HB, Trichopoulos D, Caporaso N, Landi MT, Canzian F, Ljungberg B, Tjonneland A, Clavel-Chapelon F, Bishop DT, Teo MT, Knowles MA, Guarrera S, Polidoro S, Ricceri F, Sacerdote C, Allione A, Cancel-Tassin G, Selinski S, Hengstler JG, Dietrich H, Fletcher T, Rudnai P, Gurdzau E, Koppova K, Bolick SC, Godfrey A, Xu Z, Sanz-Velez JI, Garcia-Prats M, Sanchez M, Valdivia G, Porru S, Benhamou S, Hoover RN, Fraumeni JF Jr, Silverman DT, Chanock SJ. A multi-stage genome-wide association study of bladder cancer identifies multiple susceptibility loci. *Nat Genet.* 2010 Nov;42(11):978-84. doi: 10.1038/ng.687. Epub 2010 Oct 24. PubMed PMID: 20972438; PubMed Central PMCID: PMC3049891.
122. Mazzei F, Guarrera S, Allione A, Simonelli V, Narciso L, Barone F, Minoprio A, Ricceri F, Funaro A, D'Errico M, Vogel U, **MATULLO G**, Dogliotti E. 8-Oxoguanine DNA-glycosylase repair activity and expression: a comparison between cryopreserved isolated lymphocytes and EBV-derived lymphoblastoid cell lines. *Mutat Res.* 2011 Jan 10;718(1-2):62-7. doi: 10.1016/j.mrgentox.2010.10.004. Epub 2010 Nov 4. PubMed PMID: 20971211.
123. Tabara Y, Kohara K, Kita Y, Hirawa N, Katsuya T, Ohkubo T, Hiura Y, Tajima A, Morisaki T, Miyata T, Nakayama T, Takashima N, Nakura J, Kawamoto R, Takahashi N, Hata A, Soma M, Imai Y, Kokubo Y, Okamura T, Tomoike H, Iwai N, Oghara T, Inoue I, Tokunaga K, Johnson T, Caulfield M, Munroe P; Global Blood Pressure Genetics Consortium, Umemura S, Ueshima H, Miki T. Common variants in the ATP2B1 gene are associated with susceptibility to hypertension: the Japanese Millennium Genome Project. *Hypertension.* 2010 Nov;56(5):973-80. doi: 10.1161/HYPERTENSIONAHA.110.153429. Epub 2010 Oct 4. PubMed PMID: 20921432; PubMed Central PMCID: PMC3003412.
124. Ricceri F, Godschalk RW, Peluso M, Phillips DH, Agudo A, Georgiadis P, Loft S, Tjonneland A, Raaschou-Nielsen O, Palli D, Perera F, Vermeulen R, Taioli E, Sram RJ, Munnia A, Rosa F, Allione A, **MATULLO G**, Vineis P. Bulky DNA adducts in white blood cells: a pooled analysis of 3,600 subjects. *Cancer Epidemiol Biomarkers Prev.* 2010 Dec;19(12):3174-81. doi: 10.1158/1055-9965.EPI-10-0314. Epub 2010 Oct 4. PubMed PMID: 20921335; PubMed Central PMCID: PMC3686106.
125. Palli D, Polidoro S, D'Errico M, Saieva C, Guarrera S, Calcagnile AS, Sera F, Allione A, Gemma S, Zanna I, Filomena A, Testai E, Caini S, Moretti R, Gomez-Miguel MJ, Nesi G, Luzzi I, Ottini L, Masala G, **MATULLO G**, Dogliotti E. Polymorphic DNA repair and metabolic genes: a multigenic study on gastric cancer. *Mutagenesis.* 2010 Nov;25(6):569-75. doi: 10.1093/mutage/geq042. Epub 2010 Sep 3. PubMed PMID: 20817763.
126. Bono R, Romanazzi V, Munnia A, Piro S, Allione A, Ricceri F, Guarrera S, Pignata C, **MATULLO G**, Wang P, Giese RW, Peluso M. Malondialdehyde-deoxyguanosine adduct formation in workers of pathology wards: the role of air formaldehyde exposure. *Chem Res Toxicol.* 2010 Aug 16;23(8):1342-8. doi: 10.1021/tx100083x. PubMed PMID: 20707408; PubMed Central PMCID: PMC2924748.
127. Ragin C, Minor A, Agudo A, Farmer P, Garte S, Gonzales C, Kalina I, **MATULLO G**, Popov T, Palli D, Peluso M, Ricceri F, Sram R, Vineis P, Taioli E. Pooled analysis of studies on DNA adducts and dietary vitamins. *Mutat Res.* 2010 Oct;705(2):77-82. doi: 10.1016/j.mrrev.2010.04.004. Epub 2010 Apr 24. Review. PubMed PMID: 20399891; PubMed Central PMCID: PMC2947368.
128. Kiemeny LA, Sulem P, Besenbacher S, Vermeulen SH, Sigurdsson A, Thorleifsson G, Gudbjartsson DF, Stacey SN, Gudmundsson J, Zanon C, Kostic J, Masson G, Bjarnason H, Palsson ST, Skarphedinsson OB, Gudjonsson SA, Witjes JA, Grotenhuis AJ, Verhaegh GW, Bishop DT, Sak SC, Choudhury A, Elliott F, Barrett JH, Hurst CD, de Verdier PJ, Ryk C, Rudnai P, Gurdzau E, Koppova K, Vineis P, Polidoro S, Guarrera S, Sacerdote C, Campagna M, Placidi D, Arici C, Zeegers MP, Kellen E, Gutierrez BS, Sanz-Velez JI, Sanchez-Zalabardo M, Valdivia G, Garcia-Prats MD, Hengstler JG, Blaszewicz M, Dietrich H, Ophoff RA, van den Berg

- LH, Alexiusdottir K, Kristjansson K, Geirsson G, Nikulasson S, Petursdottir V, Kong A, Thorgeirsson T, Mungan NA, Lindblom A, van Es MA, Porru S, Buntinx F, Golka K, Mayordomo JI, Kumar R, **MATULLO G**, Steineck G, Kiltie AE, Aben KK, Jonsson E, Thorsteinsdottir U, Knowles MA, Rafnar T, Stefansson K. A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer. *Nat Genet.* 2010 May;42(5):415-9. doi: 10.1038/ng.558. Epub 2010 Mar 28. PubMed PMID: 20348956; PubMed Central PMCID: PMC2923020.
129. Ricceri F, Guarrera S, Sacerdote C, Polidoro S, Allione A, Fontana D, Destefanis P, Tizzani A, Casetta G, Cucchiarale G, Vineis P, **MATULLO G** #. ERCC1 haplotypes modify bladder cancer risk: a case-control study. *DNA Repair (Amst).* 2010 Feb 4;9(2):191-200. doi: 10.1016/j.dnarep.2009.12.002. Epub 2010 Jan 12. PubMed PMID: 20061190.
130. Zijno A, Porcedda P, Saini F, Allione A, Garofalo B, Marcon F, Guarrera S, Turinetto V, Minieri V, Funaro A, Crebelli R, Giachino C, **MATULLO G** #. Unsuitability of lymphoblastoid cell lines as surrogate of cryopreserved isolated lymphocytes for the analysis of DNA double-strand break repair activity. *Mutat Res.* 2010 Feb 3;684(1-2):98-105. doi: 10.1016/j.mrfmmm.2009.12.008. Epub 2009 Dec 24. PubMed PMID: 20035771.
131. Johansson C, Møller P, Forchhammer L, Loft S, Godschalk RW, Langie SA, Lumeij S, Jones GD, Kwok RW, Azqueta A, Phillips DH, Sozeri O, Routledge MN, Charlton AJ, Riso P, Porrini M, Allione A, **MATULLO G**, Palus J, Stepnik M, Collins AR, Möller L. An ECVAG trial on assessment of oxidative damage to DNA measured by the comet assay. *Mutagenesis.* 2010 Mar;25(2):125-32. doi: 10.1093/mutage/geb055. Epub 2009 Nov 30. PubMed PMID: 19948595; PubMed Central PMCID: PMC2825342.
132. Forchhammer L, Johansson C, Loft S, Möller L, Godschalk RW, Langie SA, Jones GD, Kwok RW, Collins AR, Azqueta A, Phillips DH, Sozeri O, Stepnik M, Palus J, Vogel U, Wallin H, Routledge MN, Handforth C, Allione A, **MATULLO G**, Teixeira JP, Costa S, Riso P, Porrini M, Møller P. Variation in the measurement of DNA damage by comet assay measured by the ECVAG inter-laboratory validation trial. *Mutagenesis.* 2010 Mar;25(2):113-23. doi: 10.1093/mutage/geb048. Epub 2009 Nov 12. PubMed PMID: 19910383.
133. Stern MC, Lin J, Figueroa JD, Kelsey KT, Kiltie AE, Yuan JM, **MATULLO G**, Fletcher T, Benhamou S, Taylor JA, Placidi D, Zhang ZF, Steineck G, Rothman N, Kogevinas M, Silverman D, Malats N, Chanock S, Wu X, Karagas MR, Andrew AS, Nelson HH, Bishop DT, Sak SC, Choudhury A, Barrett JH, Elliot F, Corral R, Joshi AD, Gago-Dominguez M, Cortessis VK, Xiang YB, Gao YT, Vineis P, Sacerdote C, Guarrera S, Polidoro S, Allione A, Gurrzau E, Koppova K, Kumar R, Rudnai P, Porru S, Carta A, Campagna M, Arici C, Park SS, Garcia-Closas M; International Consortium of Bladder Cancer. Polymorphisms in DNA repair genes, smoking, and bladder cancer risk: findings from the international consortium of bladder cancer. *Cancer Res.* 2009 Sep 1;69(17):6857-64. doi: 10.1158/0008-5472.CAN-09-1091. Epub 2009 Aug 25. PubMed PMID: 19706757; PubMed Central PMCID: PMC2782435.
134. Wu X, Ye Y, Kiemeny LA, Sulem P, Rafnar T, **MATULLO G**, Seminara D, Yoshida T, Saeki N, Andrew AS, Dinney CP, Czerniak B, Zhang ZF, Kiltie AE, Bishop DT, Vineis P, Porru S, Buntinx F, Kellen E, Zeegers MP, Kumar R, Rudnai P, Gurrzau E, Koppova K, Mayordomo JI, Sanchez M, Saez B, Lindblom A, de Verdier P, Steineck G, Mills GB, Schned A, Guarrera S, Polidoro S, Chang SC, Lin J, Chang DW, Hale KS, Majewski T, Grossman HB, Thorlacius S, Thorsteinsdottir U, Aben KK, Witjes JA, Stefansson K, Amos CI, Karagas MR, Gu J. Genetic variation in the prostate stem cell antigen gene PSCA confers susceptibility to urinary bladder cancer. *Nat Genet.* 2009 Sep;41(9):991-5. doi: 10.1038/ng.421. Epub 2009 Aug 2. Erratum in: *Nat Genet.* 2009 Oct;41(10):1156. Guarrera, Simonetta [added]; Polidoro, Silvia [added]. PubMed PMID: 19648920; PubMed Central PMCID: PMC3313685.
135. Newton-Cheh C, Johnson T, Gateva V, Tobin MD, Bochud M, Coin L, Najjar SS, Zhao JH, Heath SC, Eyheramendy S, Papadakis K, Voight BF, Scott LJ, Zhang F, Farrall M, Tanaka T, Wallace C, Chambers JC, Khaw KT, Nilsson P, van der Harst P, Polidoro S, Grobbee DE, Onland-Moret NC, Bots ML, Wain LV, Elliott KS, Teumer A, Luan J, Lucas G, Kuusisto J, Burton PR, Hadley D, McArdle WL; Wellcome Trust Case Control Consortium, Brown M, Dominiczak A, Newhouse SJ, Samani NJ, Webster J, Zeggini E, Beckmann JS, Bergmann S, Lim N, Song K, Vollenweider P, Waeber G, Waterworth DM, Yuan X, Groop L, Orho-Melander M, Allione A, Di Gregorio A, Guarrera S, Panico S, Ricceri F, Romanazzi V, Sacerdote C, Vineis P, Barroso I, Sandhu MS, Luben RN, Crawford GJ, Jousilahti P, Perola M, Boehnke M, Bonnycastle LL, Collins FS, Jackson AU, Mohlke KL, Stringham HM, Valle TT, Willer CJ, Bergman RN, Morken MA, Döring A, Gieger C, Illig T, Meitinger T, Org E, Pfeufer A, Kathiresan S, Marrugat J, O'Donnell CJ, Schwartz SM, Siscovick DS, Subirana I, Freimer NB, Hartikainen AL, McCarthy MI, O'Reilly PF, Peltonen L, Pouta A, de Jong PE, Sneider H, van Gilst WH, Clarke R, Goel A, Hamsten A, Peden JF, Seedorf U, Syvänen AC, Tognoni G, Lakatta EG, Sanna S, Scheet P, Schlessinger D, Scuteri A, Dörr M, Ernst F, Felix SB, Homuth G, Lorbeer R, Reffelmann T, Rettig R, Völker U, Galan P, Gut IG, Hercberg S, Lathrop GM, Zelenika D, Deloukas P, Soranzo N, Williams FM, Zhai G, Salomaa V, Laakso R, Forouhi NG, Völzke H, Uiterwaal CS, van der Schouw YT, Numans ME, **MATULLO G**, Navis G, Berglund G, Bingham SA, Kooner JS, Connell JM, Bandinelli S, Ferrucci L, Watkins H, Spector TD, Tuomilehto J, Altshuler D, Strachan DP, Laan M, Meneton P, Wareham NJ, Uda M, Jarvelin MR, Mooser V, Melander O, Loos RJ, Elliott P, Abecasis GR, Caulfield M, Munroe PB. Genome-wide association study identifies eight loci associated with blood pressure. *Nat Genet.* 2009 Jun;41(6):666-76. doi: 10.1038/ng.361. Epub 2009 May 10. PubMed PMID: 19430483; PubMed Central PMCID: PMC2891673.
136. Rafnar T, Sulem P, Stacey SN, Geller F, Gudmundsson J, Sigurdsson A, Jakobsdottir M, Helgadóttir H, Thorlacius S, Aben KK, Blöndal T, Thorgeirsson TE, Thorleifsson G, Kristjansson K, Thorisdottir K, Ragnarsson R, Sigurgeirsson B, Skuladottir H, Gudbjartsson T, Isaksson HJ, Einarsson GV, Benediktsson KR, Agnarsson BA, Olafsson K, Salvarsdottir A, Bjarnason H, Asgeirsdottir M, Kristinsson KT, Matthiasdottir S, Sveinsdottir SG, Polidoro S, Höiom V, Botella-Estrada R, Hemminki K, Rudnai P, Bishop DT, Campagna M, Kellen E, Zeegers MP, de Verdier P, Ferrer A, Isla D, Vidal MJ, Andres R, Saez B, Juberias P, Banzo J, Navarrete S, Tres A, Kan D, Lindblom A, Gurrzau E, Koppova K, de Vegt F, Schalken JA, van der Heijden HF, Smit HJ, Termeer RA, Oosterwijk E, van Hooij O, Nagore E, Porru S, Steineck G, Hansson J, Buntinx F, Catalona WJ, **MATULLO G**, Vineis P, Kiltie AE, Mayordomo JI, Kumar R, Kiemeny LA, Frigge ML, Jonsson T, Saemundsson H, Barkardottir RB, Jonsson E, Jonsson S, Olafsson JH, Gulcher JR, Masson G, Gudbjartsson DF, Kong A, Thorsteinsdottir U, Stefansson K. Sequence variants at the TERT-CLPTM1L locus associate with many cancer types. *Nat Genet.* 2009 Feb;41(2):221-7. doi: 10.1038/ng.296. Epub 2009 Jan 18. PubMed PMID: 19151717; PubMed Central PMCID: PMC4525478.
137. Vineis P, Manuguerra M, Kavvoura FK, Guarrera S, Allione A, Rosa F, Di Gregorio A, Polidoro S, Saletta F, Ioannidis JP, **MATULLO G** #. A field synopsis on low-penetrance variants in DNA repair genes and cancer susceptibility. *J Natl Cancer Inst.* 2009 Jan 7;101(1):24-36. doi: 10.1093/jnci/djn437. Epub 2008 Dec 30. PubMed PMID: 19116388.

138. Hung RJ, Christiani DC, Risch A, Popanda O, Haugen A, Zienoldiny S, Benhamou S, Bouchardy C, Lan Q, Spitz MR, Wichmann HE, LeMarchand L, Vineis P, **MATULLO G**, Kiyohara C, Zhang ZF, Pezeshki B, Harris C, Mechanic L, Seow A, Ng DP, Szeszenia-Dabrowska N, Zaridze D, Lissowska J, Rudnai P, Fabianova E, Mates D, Foretova L, Janout V, Bencko V, Caporaso N, Chen C, Duell EJ, Goodman G, Field JK, Houlston RS, Hong YC, Landi MT, Lazarus P, Muscat J, McLaughlin J, Schwartz AG, Shen H, Stucker I, Tajima K, Matsuo K, Thun M, Yang P, Wiencke J, Andrew AS, Monnier S, Boffetta P, Brennan P. International Lung Cancer Consortium: pooled analysis of sequence variants in DNA repair and cell cycle pathways. *Cancer Epidemiol Biomarkers Prev*. 2008 Nov;17(11):3081-9. doi: 10.1158/1055-9965.EPI-08-0411. PubMed PMID: 18990748; PubMed Central PMCID: PMC2756735.
139. Gallo V, Khan A, Gonzales C, Phillips DH, Schoket B, Györfy E, Anna L, Kovács K, Møller P, Loft S, Kyrtopoulos S, **MATULLO G**, Vineis P. Validation of biomarkers for the study of environmental carcinogens: a review. *Biomarkers*. 2008 Aug;13(5):505-34. Review. PubMed PMID: 18979642.
140. Neasham D, Gallo V, Guarrera S, Dunning A, Overvad K, Tjønneland A, Clavel-Chapelon F, Linseisen JP, Malaveille C, Ferrari P, Boeing H, Benetou V, Trichopoulou A, Palli D, Crosignani P, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, van Gib CH, Lund E, Gonzalez CA, Martinez C, Dorronsoro M, Barricarte A, Navarro C, Quiros JR, Berglund G, Jarvholm B, Khaw KT, Key TJ, Bingham S, Diaz TM, Riboli E, **MATULLO G**, Vineis P. Double-strand break DNA repair genotype predictive of later mortality and cancer incidence in a cohort of non-smokers. *DNA Repair (Amst)*. 2009 Jan 1;8(1):60-71. doi: 10.1016/j.dnarep.2008.08.012. Epub 2008 Oct 28. PubMed PMID: 18824251.
141. Kiemeny LA, Thorlacius S, Sulem P, Geller F, Aben KK, Stacey SN, Gudmundsson J, Jakobsdottir M, Bergthorsson JT, Sigurdsson A, Blondal T, Witjes JA, Vermeulen SH, Hulsbergen-van de Kaa CA, Swinkels DW, Ploeg M, Cornel EB, Vergunst H, Thorgeirsson TE, Gudbjartsson D, Gudjonsson SA, Thorleifsson G, Kristinsson KT, Mouy M, Snorraddottir S, Placidi D, Campagna M, Arici C, Koppova K, Gurzau E, Rudnai P, Kellen E, Polidoro S, Guarrera S, Sacerdote C, Sanchez M, Saez B, Valdivia G, Ryk C, de Verdier P, Lindblom A, Golka K, Bishop DT, Knowles MA, Nikulasson S, Petursdottir V, Jonsson E, Geirsson G, Kristjansson B, Mayordomo JI, Steineck G, Porru S, Buntinx F, Zeegers MP, Fletcher T, Kumar R, **MATULLO G**, Vineis P, Kiltie AE, Gulcher JR, Thorsteinsdottir U, Kong A, Rafnar T, Stefansson K. Sequence variant on 8q24 confers susceptibility to urinary bladder cancer. *Nat Genet*. 2008 Nov;40(11):1307-12. doi: 10.1038/ng.229. Epub 2008 Sep 14. PubMed PMID: 18794855; PubMed Central PMCID: PMC4539560.
142. Vineis P, Brennan P, Canzian F, Ioannidis JP, **MATULLO G**, Ritchie M, Stromberg U, Taioli E, Thompson J. Expectations and challenges stemming from genome-wide association studies. *Mutagenesis*. 2008 Nov;23(6):439-44. doi: 10.1093/mutage/gen042. Epub 2008 Sep 2. PubMed PMID: 18765424.
143. Di Gaetano C, Cerutti N, Crobu F, Robino C, Inturri S, Gino S, Guarrera S, Underhill PA, King RJ, Romano V, Cali F, Gasparini M, **MATULLO G**, Salerno A, Torre C, Piazza A. Differential Greek and northern African migrations to Sicily are supported by genetic evidence from the Y chromosome. *Eur J Hum Genet*. 2009 Jan;17(1):91-9. doi: 10.1038/ejhg.2008.120. Epub 2008 Aug 6. PubMed PMID: 18685561; PubMed Central PMCID: PMC2985948.
144. Veglia F, Loft S, **MATULLO G**, Peluso M, Munnia A, Perera F, Phillips DH, Tang D, Autrup H, Raaschou-Nielsen O, Tjønneland A, Vineis P; Genair-EPIC Investigators. DNA adducts and cancer risk in prospective studies: a pooled analysis and a meta-analysis. *Carcinogenesis*. 2008 May;29(5):932-6. doi: 10.1093/carcin/bgm286. Epub 2008 Mar 14. PubMed PMID: 18343884.
145. Crobu F, Palumbo L, Franco E, Bergerone S, Carturan S, Guarrera S, Frea S, Trevi G, Piazza A, **MATULLO G**. Role of TGF-beta1 haplotypes in the occurrence of myocardial infarction in young Italian patients. *BMC Med Genet*. 2008 Feb 29;9:13. doi: 10.1186/1471-2350-9-13. PubMed PMID: 18312614; PubMed Central PMCID: PMC2270803.
146. Peluso M, Airoldi L, Munnia A, Colombi A, Veglia F, Autrup H, Dunning A, Garte S, Gormally E, Malaveille C, **MATULLO G**, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Linseisen J, Boeing H, Trichopoulou A, Palli D, Krogh V, Tumino R, Panico S, Bueno-De-Mesquita BH, Peeters PH, Kumle M, Agudo A, Martinez C, Dorronsoro M, Barricarte A, Tormo MJ, Quiros JR, Berglund G, Jarvholm B, Day NE, Key TJ, Saracci R, Kaaks R, Riboli E, Bingham S, Vineis P. Bulky DNA adducts, 4-aminobiphenyl-haemoglobin adducts and diet in the European Prospective Investigation into Cancer and Nutrition (EPIC) prospective study. *Br J Nutr*. 2008 Sep;100(3):489-95. doi: 10.1017/S0007114508911600. Epub 2008 Feb 14. PubMed PMID: 18275627.
147. Andrew AS, Karagas MR, Nelson HH, Guarrera S, Polidoro S, Gamberini S, Sacerdote C, Moore JH, Kelsey KT, Demidenko E, Vineis P, **MATULLO G**. DNA repair polymorphisms modify bladder cancer risk: a multi-factor analytic strategy. *Hum Hered*. 2008;65(2):105-18. Epub 2007 Sep 26. PubMed PMID: 17898541; PubMed Central PMCID: PMC2857629.
148. Munnia A, Saletta F, Allione A, Piro S, Confortini M, **MATULLO G**, Peluso M. 32P-Post-labelling method improvements for aromatic compound-related molecular epidemiology studies. *Mutagenesis*. 2007 Nov;22(6):381-5. Epub 2007 Aug 22. PubMed PMID: 17716983.
149. Saletta F, **MATULLO G**, Manuguerra M, Arena S, Bardelli A, Vineis P. Exposure to the tobacco smoke constituent 4-aminobiphenyl induces chromosomal instability in human cancer cells. *Cancer Res*. 2007 Aug 1;67(15):7088-94. PubMed PMID: 17671175.
150. Sacerdote C, Guarrera S, Smith GD, Grioni S, Krogh V, Masala G, Mattiello A, Palli D, Panico S, Tumino R, Veglia F, **MATULLO G**, Vineis P. Lactase persistence and bitter taste response: instrumental variables and mendelian randomization in epidemiologic studies of dietary factors and cancer risk. *Am J Epidemiol*. 2007 Sep 1;166(5):576-81. Epub 2007 Jun 27. PubMed PMID: 17596267.
151. Benedetto C, Marozio L, Ciccone G, Chieppa G, Quaglia M, **MATULLO G**, Bertola L, Guarrera S, Carturan S, Stratta P. Synergistic effect of renin-angiotensin system and nitric oxide synthase genes polymorphisms in pre-eclampsia. *Acta Obstet Gynecol Scand*. 2007;86(6):678-82. PubMed PMID: 17520398.
152. Franco E, Palumbo L, Crobu F, Anselmino M, Frea S, **MATULLO G**, Piazza A, Trevi GP, Bergerone S. Renin-angiotensin-aldosterone system polymorphisms: a role or a hole in occurrence and long-term prognosis of acute myocardial infarction at young age. *BMC Med Genet*. 2007 May 22;8:27. PubMed PMID: 17519002; PubMed Central PMCID: PMC1890543.

153. Sacerdote C, **MATULLO G**, Polidoro S, Gamberini S, Piazza A, Karagas MR, Rolle L, De Stefanis P, Casetta G, Morabito F, Vineis P, Guarrera S. Intake of fruits and vegetables and polymorphisms in DNA repair genes in bladder cancer. *Mutagenesis*. 2007 Jul;22(4):281-5. Epub 2007 May 21. PubMed PMID: 17515441.
154. Vineis P, Veglia F, Garte S, Malaveille C, **MATULLO G**, Dunning A, Peluso M, Airolidi L, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Linseisen JP, Kaaks R, Boeing H, Trichopoulou A, Palli D, Crosignani P, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, Lund E, Gonzalez CA, Martinez C, Dorronsoro M, Barricarte A, Navarro C, Quiros JR, Berglund G, Jarvholm B, Day NE, Key TJ, Saracci R, Riboli E, Autrup H. Genetic susceptibility according to three metabolic pathways in cancers of the lung and bladder and in myeloid leukemias in nonsmokers. *Ann Oncol*. 2007 Jul;18(7):1230-42. Epub 2007 May 11. PubMed PMID: 17496311.
155. Pastorelli R, Saletta F, Carpi D, Campagna R, dell'Osta C, Schiarea S, Vineis P, Airolidi L, **MATULLO G**#. Proteome characterization of a human urothelial cell line resistant to the bladder carcinogen 4-aminobiphenyl. *Proteome Sci*. 2007 May 3;5:6. PubMed PMID: 17477866; PubMed Central PMCID: PMC1871571.
156. Guarrera S, Sacerdote C, Fiorini L, Marsala R, Polidoro S, Gamberini S, Saletta F, Malaveille C, Talaska G, Vineis P, **MATULLO G** #. Expression of DNA repair and metabolic genes in response to a flavonoid-rich diet. *Br J Nutr*. 2007 Sep;98(3):525-33. Epub 2007 Apr 20. PubMed PMID: 17445347.
157. Kellen E, Hemelt M, Broberg K, Golka K, Kristensen VN, Hung RJ, **MATULLO G**, Mittal RD, Porru S, Povey A, Schulz WA, Shen J, Buntinx F, Zeegers MP, Taioli E. Pooled analysis and meta-analysis of the glutathione S-transferase P1 Ile 105Val polymorphism and bladder cancer: a HuGE-GSEC review. *Am J Epidemiol*. 2007 Jun 1;165(11):1221-30. Epub 2007 Apr 2. Review. PubMed PMID: 17404387.
158. Achilli A, Olivieri A, Pala M, Metspalu E, Fornarino S, Battaglia V, Accetturo M, Kutuev I, Khusnutdinova E, Pennarun E, Cerutti N, Di Gaetano C, Crobu F, Palli D, **MATULLO G**, Santachiara-Benerecetti AS, Cavalli-Sforza LL, Semino O, Villems R, Bandelt HJ, Piazza A, Torroni A. Mitochondrial DNA variation of modern Tuscans supports the near eastern origin of Etruscans. *Am J Hum Genet*. 2007 Apr;80(4):759-68. Epub 2007 Feb 6. PubMed PMID: 17357081; PubMed Central PMCID: PMC1852723.
159. Manuguerra M, **MATULLO G**, Veglia F, Autrup H, Dunning AM, Garte S, Gormally E, Malaveille C, Guarrera S, Polidoro S, Saletta F, Peluso M, Airolidi L, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Linseisen J, Boeing H, Trichopoulos D, Kalandidi A, Palli D, Krogh V, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, Lund E, Pera G, Martinez C, Amiano P, Barricarte A, Tormo MJ, Quiros JR, Berglund G, Janzon L, Jarvholm B, Day NE, Allen NE, Saracci R, Kaaks R, Ferrari P, Riboli E, Vineis P. Multi-factor dimensionality reduction applied to a large prospective investigation on gene-gene and gene-environment interactions. *Carcinogenesis*. 2007 Feb;28(2):414-22. Epub 2006 Sep 6. PubMed PMID: 16956909.
160. Gormally E, Vineis P, **MATULLO G**, Veglia F, Caboux E, Le Roux E, Peluso M, Garte S, Guarrera S, Munnia A, Airolidi L, Autrup H, Malaveille C, Dunning A, Overvad K, Tjønneland A, Lund E, Clavel-Chapelon F, Boeing H, Trichopoulou A, Palli D, Krogh V, Tumino R, Panico S, Bueno-de-Mesquita HB, Peeters PH, Pera G, Martinez C, Dorronsoro M, Barricarte A, Navarro C, Quirós JR, Hallmans G, Day NE, Key TJ, Saracci R, Kaaks R, Riboli E, Hainaut P. TP53 and KRAS2 mutations in plasma DNA of healthy subjects and subsequent cancer occurrence: a prospective study. *Cancer Res*. 2006 Jul 1;66(13):6871-6. PubMed PMID: 16818665.
161. Manuguerra M, Saletta F, Karagas MR, Berwick M, Veglia F, Vineis P, Matullo G #. XRCC3 and XPD/ERCC2 single nucleotide polymorphisms and the risk of cancer: a HuGE review. *Am J Epidemiol*. 2006 Aug 15;164(4):297-302. Epub 2006 May 17. Review. PubMed PMID: 16707649.
162. Talaska G, Al-Zoughool M, Malaveille C, Fiorini L, Schumann B, Vietas J, Peluso M, Munnia A, Bianchini M, Allegro G, **MATULLO G**, Sacerdote C, Vineis P. Randomized controlled trial: effects of diet on DNA damage in heavy smokers. *Mutagenesis*. 2006 May;21(3):179-83. Epub 2006 Apr 19. PubMed PMID: 16624830.
163. Dianzani I, Gibello L, Biava A, Giordano M, Bertolotti M, Betti M, Ferrante D, Guarrera S, Betta GP, Mirabelli D, **MATULLO G**, Magnani C. Polymorphisms in DNA repair genes as risk factors for asbestos-related malignant mesothelioma in a general population study. *Mutat Res*. 2006 Jul 25;599(1-2):124-34. Epub 2006 Mar 27. PubMed PMID: 16564556.
164. Brusco A, Michielotto C, Gatta V, Foresta C, **MATULLO G**, Zeviani M, Ferrari G, Dragone E, Calabrese G, Rossato M, Stuppia L, Migone N. The polymorphic polyglutamine repeat in the mitochondrial DNA polymerase gamma gene is not associated with oligozoospermia. *J Endocrinol Invest*. 2006 Jan;29(1):1-4. PubMed PMID: 16553026.
165. Vineis P, Hoek G, Krzyzanowski M, Vigna-Taglianti F, Veglia F, Airolidi L, Autrup H, Dunning A, Garte S, Hainaut P, Malaveille C, **MATULLO G**, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Linseisen J, Boeing H, Trichopoulou A, Palli D, Peluso M, Krogh V, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, Lund EE, Gonzalez CA, Martinez C, Dorronsoro M, Barricarte A, Cirera L, Quiros JR, Berglund G, Forsberg B, Day NE, Key TJ, Saracci R, Kaaks R, Riboli E. Air pollution and risk of lung cancer in a prospective study in Europe. *Int J Cancer*. 2006 Jul 1;119(1):169-74. PubMed PMID: 16463382.
166. **MATULLO G**#, Dunning AM, Guarrera S, Baynes C, Polidoro S, Garte S, Autrup H, Malaveille C, Peluso M, Airolidi L, Veglia F, Gormally E, Hoek G, Krzyzanowski M, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Linseisen J, Boeing H, Trichopoulou A, Palli D, Krogh V, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, Lund E, Pera G, Martinez C, Dorronsoro M, Barricarte A, Tormo MJ, Quiros JR, Day NE, Key TJ, Saracci R, Kaaks R, Riboli E, Vineis P. DNA repair polymorphisms and cancer risk in non-smokers in a cohort study. *Carcinogenesis*. 2006 May;27(5):997-1007. Epub 2005 Nov 23. PubMed PMID: 16308313.
167. **MATULLO G**#, Guarrera S, Sacerdote C, Polidoro S, Davico L, Gamberini S, Karagas M, Casetta G, Rolle L, Piazza A, Vineis P. Polymorphisms/haplotypes in DNA repair genes and smoking: a bladder cancer case-control study. *Cancer Epidemiol Biomarkers Prev*. 2005 Nov;14(11 Pt 1):2569-78. PubMed PMID: 16284380.
168. Ribichini F, Ferrero V, Piessens M, Heyndrickx GR, de Bruyne B, Verbeke L, **MATULLO G**, Büchi M, Piazza A, Guarrera S, Lüscher TF, Wijns W. Intracoronary beta-irradiation prevents excessive in-stent neointimal proliferation in de novo lesions of patients

with high plasma ACE levels. The BetAce randomized trial. *Cardiovasc Revasc Med*. 2005 Jan-Mar;6(1):7-13. PubMed PMID: 16263350.

169. Airoidi L, Vineis P, Colombi A, Olgiati L, Dell'Osta C, Fanelli R, Manzi L, Veglia F, Autrup H, Dunning A, Garte S, Hainaut P, Hoek G, Krzyzanowski M, Malaveille C, **MATULLO G**, Overvad K, Tjonneland A, Clavel-Chapelon F, Linseisen J, Boeing H, Trichopoulou A, Palli D, Peluso M, Krogh V, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, Lund E, Agudo A, Martinez C, Dorransoro M, Barricarte A, Chirlaque MD, Quiros JR, Berglund G, Järholm B, Hallmans G, Day NE, Allen N, Saracci R, Kaaks R, Riboli E. 4-Aminobiphenyl-hemoglobin adducts and risk of smoking-related disease in never smokers and former smokers in the European Prospective Investigation into Cancer and Nutrition prospective study. *Cancer Epidemiol Biomarkers Prev*. 2005 Sep;14(9):2118-24. PubMed PMID: 16172219.
170. Peluso M, Munnia A, Hoek G, Krzyzanowski M, Veglia F, Airoidi L, Autrup H, Dunning A, Garte S, Hainaut P, Malaveille C, Gormally E, **MATULLO G**, Overvad K, Raaschou-Nielsen O, Clavel-Chapelon F, Linseisen J, Boeing H, Trichopoulou A, Trichopoulos D, Kaladidi A, Palli D, Krogh V, Tumino R, Panico S, Bueno-De-Mesquita HB, Peeters PH, Kumle M, Gonzalez CA, Martinez C, Dorransoro M, Barricarte A, Navarro C, Quiros JR, Berglund G, Janzon L, Jarvholm B, Day NE, Key TJ, Saracci R, Kaaks R, Riboli E, Vineis P. DNA adducts and lung cancer risk: a prospective study. *Cancer Res*. 2005 Sep 1;65(17):8042-8. PubMed PMID: 16140979.
171. Palli D, Saieva C, Luzzi I, Masala G, Topa S, Sera F, Gemma S, Zanna I, D'Errico M, Zini E, Guidotti S, Valeri A, Fabbrucci P, Moretti R, Testai E, del Giudice G, Ottini L, **MATULLO G**, Dogliotti E, Gomez-Miguel MJ. Interleukin-1 gene polymorphisms and gastric cancer risk in a high-risk Italian population. *Am J Gastroenterol*. 2005 Sep;100(9):1941-8. PubMed PMID: 16128937.
172. Cerutti N, Marin A, Di Gaetano C, Pappi P, Crobu F, Riccardino F, **MATULLO G**, Piazza A. Population data for Y-chromosome STR haplotypes from Piedmont (Italy). *Forensic Sci Int*. 2006 May 10;158(2-3):238-43. Epub 2005 Aug 18. PubMed PMID: 16111847.
173. Peluso M, Hainaut P, Airoidi L, Autrup H, Dunning A, Garte S, Gormally E, Malaveille C, **MATULLO G**, Munnia A, Riboli E, Vineis P; EPIC investigators. Methodology of laboratory measurements in prospective studies on gene-environment interactions: the experience of GenAir. *Mutat Res*. 2005 Jul 1;574(1-2):92-104. Review. PubMed PMID: 15991349.
174. Robino C, Inturri S, Gino S, Torre C, Di Gaetano C, Crobu F, Romano V, **MATULLO G**, Piazza A. Y-chromosomal STR haplotypes in Sicily. *Forensic Sci Int*. 2006 Jun 2;159(2-3):235-40. Epub 2005 Jun 28. PubMed PMID: 15990263.
175. Solerio E, Tappero G, Iannace L, **MATULLO G**, Ayoubi M, Parziale A, Cicilano M, Sansoè G, Framarin L, Vineis P, Rosina F. CTLA4 gene polymorphism in Italian patients with colorectal adenoma and cancer. *Dig Liver Dis*. 2005 Mar;37(3):170-5. PubMed PMID: 15888281.
176. **MATULLO G**#, Berwick M, Vineis P. Gene-environment interactions: how many false positives? *J Natl Cancer Inst*. 2005 Apr 20;97(8):550-1. PubMed PMID: 15840871.
- 177.
178. Palli D, Saieva C, Gemma S, Masala G, Gomez-Miguel MJ, Luzzi I, D'Errico M, **MATULLO G**, Ozzola G, Manetti R, Nesi G, Sera F, Zanna I, Dogliotti E, Testai E. GSTT1 and GSTM1 gene polymorphisms and gastric cancer in a high-risk Italian population. *Int J Cancer*. 2005 Jun 10;115(2):284-9. PubMed PMID: 15688399.
179. Di Gaetano C, Crobu F, Guarrera S, Polidoro S, Gasparini M, Underhill PA, **MATULLO G**, Piazza A. The TDI-FP assay in human Y chromosome SNP haplotyping. *Genet Test*. 2004 Winter;8(4):400-3. PubMed PMID: 15684870.
180. Vineis P, Airoidi L, Veglia F, Olgiati L, Pastorelli R, Autrup H, Dunning A, Garte S, Gormally E, Hainaut P, Malaveille C, **MATULLO G**, Peluso M, Overvad K, Tjonneland A, Clavel-Chapelon F, Boeing H, Krogh V, Palli D, Panico S, Tumino R, Bueno-De-Mesquita B, Peeters PH, Berglund G, Hallmans G, Saracci R, Riboli E. Environmental tobacco smoke and risk of respiratory cancer and chronic obstructive pulmonary disease in former smokers and never smokers in the EPIC prospective study. *BMJ*. 2005 Feb 5;330(7486):277. Epub 2005 Jan 28. PubMed PMID: 15681570; PubMed Central PMCID: PMC548173.
181. Carturan S, Roccatoello D, Menegatti E, Di Simone D, Davit A, Piazza A, Sena LM, **MATULLO G**#. Association between transforming growth factor beta1 gene polymorphisms and IgA nephropathy. *J Nephrol*. 2004 Nov-Dec;17(6):786-93. PubMed PMID: 15593052.
182. Ferrero V, Ribichini F, Heyndrickx GR, De Bruyne B, Piessens M, Carlier S, Büchi M, **MATULLO G**, Vassanelli C, Wijns W. Angiographic and three-dimensional intravascular ultrasound analysis of combined intracoronary beta radiation and self-expanding stent implantation in human coronary arteries. *Am J Cardiol*. 2004 Nov 15;94(10):1237-42. PubMed PMID: 15541237.
183. Berwick M, **MATULLO G**, Song YS, Guarrera S, Dominguez G, Orlow I, Walker M, Vineis P. Association between aryl hydrocarbon receptor genotype and survival in soft tissue sarcoma. *J Clin Oncol*. 2004 Oct 1;22(19):3997-4001. PubMed PMID: 15459223.
184. Robino C, Varacalli S, Gino S, Chatzikyriakidou A, Kouvatsi A, Triantaphyllidis C, Di Gaetano C, Crobu F, **MATULLO G**, Piazza A, Torre C. Y-chromosomal STR haplotypes in a population sample from continental Greece, and the islands of Crete and Chios. *Forensic Sci Int*. 2004 Oct 4;145(1):61-4. PubMed PMID: 15374596.
185. Gormally E, Hainaut P, Caboux E, Airoidi L, Autrup H, Malaveille C, Dunning A, Garte S, **MATULLO G**, Overvad K, Tjonneland A, Clavel-Chapelon F, Boffetta P, Boeing H, Trichopoulou A, Palli D, Krogh V, Tumino R, Panico S, Bueno-de-Mesquita HB, Peeters PH, Lund E, Gonzalez CA, Martinez C, Dorransoro M, Barricarte A, Tormo MJ, Quiros JR, Berglund G, Hallmans G, Day NE, Key TJ, Veglia F, Peluso M, Norat T, Saracci R, Kaaks R, Riboli E, Vineis P. Amount of DNA in plasma and cancer risk: a prospective study. *Int J Cancer*. 2004 Sep 20;111(5):746-9. Erratum in: *Int J Cancer*. 2006 Jul 15;119(2):476. PubMed PMID: 15252845.

186. Ribichini F, Ferrero V, **MATULLO G**, Feola M, Vado A, Camilla T, Guarrera S, Carturan S, Vassanelli C, Uslenghi E, Piazza A. Association study of the I/D polymorphism and plasma angiotensin-converting enzyme (ACE) as risk factors for stent restenosis. *Clin Sci (Lond)*. 2004 Oct;107(4):381-9. PubMed PMID: 15101817.
187. Stratta P, Bermond F, Guarrera S, Canavese C, Carturan S, Dall'Omo A, Ciccone G, Bertola L, Mazzola G, Fasano E, **MATULLO G**#. Interaction between gene polymorphisms of nitric oxide synthase and renin-angiotensin system in the progression of membranous glomerulonephritis. *Nephrol Dial Transplant*. 2004 Mar;19(3):587-95. PubMed PMID: 14767013.
188. Barletta E, Gorini G, Vineis P, Miligi L, Davico L, Mugnai G, Ciolli S, Leoni F, Bertini M, **MATULLO G**, Costantini AS. Ras gene mutations in patients with acute myeloid leukaemia and exposure to chemical agents. *Carcinogenesis*. 2004 May;25(5):749-55. Epub 2003 Dec 19. PubMed PMID: 14688017.
189. Ferrero V, Ribichini F, **MATULLO G**, Guarrera S, Carturan S, Vado A, Vassanelli C, Piazza A, Uslenghi E, Wijns W. Estrogen receptor-alpha polymorphisms and angiographic outcome after coronary artery stenting. *Arterioscler Thromb Vasc Biol*. 2003 Dec;23(12):2223-8. Epub 2003 Oct 16. PubMed PMID: 14563649.
190. **MATULLO G**#, Peluso M, Polidoro S, Guarrera S, Munnia A, Krogh V, Masala G, Berrino F, Panico S, Tumino R, Vineis P, Palli D. Combination of DNA repair gene single nucleotide polymorphisms and increased levels of DNA adducts in a population-based study. *Cancer Epidemiol Biomarkers Prev*. 2003 Jul;12(7):674-7. PubMed PMID: 12869411.
191. Veglia F, **MATULLO G**, Vineis P. Bulky DNA adducts and risk of cancer: a meta-analysis. *Cancer Epidemiol Biomarkers Prev*. 2003 Feb;12(2):157-60. Review. PubMed PMID: 12582026.
192. Romano V, Cali F, Ragalmuto A, D'Anna RP, Flugy A, De Leo G, Giambalvo O, Lisa A, Fiorani O, Di Gaetano C, Salerno A, Tamouza R, Charron D, Zei G, Matullo G, Piazza A. Autosomal microsatellite and mtDNA genetic analysis in Sicily (Italy). *Ann Hum Genet*. 2003 Jan;67(Pt 1):42-53. PubMed PMID: 12556234.
193. Vineis P, **MATULLO G**, Manuguerra M. An evolutionary paradigm for carcinogenesis? *J Epidemiol Community Health*. 2003 Feb;57(2):89-95. Review. PubMed PMID: 12540682; PubMed Central PMCID: PMC1732384.
194. Ribichini F, Wijns W, Ferrero V, **MATULLO G**, Camilla T, Feola M, Guarrera S, Vado A, Piazza A, Uslenghi E. Effect of angiotensin-converting enzyme inhibition on restenosis after coronary stenting. *Am J Cardiol*. 2003 Jan 15;91(2):154-8. PubMed PMID: 12521626.
195. Ribichini F, Ferrero V, Wijns W, **MATULLO G**, Piazza A, Uslenghi E. Can ACE Inhibitors Promote Detrimental Vascular Effects After Percutaneous Injury? *Hypertension*. 2002 Oct;40(4):e5-6; author reply e5-6. PubMed PMID: 12364366.
196. Roguin A, Ribichini F, Ferrero V, **MATULLO G**, Herer P, Wijns W, Levy AP. Haptoglobin phenotype and the risk of restenosis after coronary artery stent implantation. *Am J Cardiol*. 2002 Apr 1;89(7):806-10. PubMed PMID: 11909563.
197. Palli D, Russo A, Masala G, Saieva C, Guarrera S, Carturan S, Munnia A, **MATULLO G**, Peluso M. DNA adduct levels and DNA repair polymorphisms in traffic-exposed workers and a general population sample. *Int J Cancer*. 2001 Oct 1;94(1):121-7. PubMed PMID: 11668486.
198. **MATULLO G**#, Palli D, Peluso M, Guarrera S, Carturan S, Celentano E, Krogh V, Munnia A, Tumino R, Polidoro S, Piazza A, Vineis P. XRCC1, XRCC3, XPD gene polymorphisms, smoking and (32)P-DNA adducts in a sample of healthy subjects. *Carcinogenesis*. 2001 Sep;22(9):1437-45. PubMed PMID: 11532866.
199. **MATULLO G**#, Guarrera S, Carturan S, Peluso M, Malaveille C, Davico L, Piazza A, Vineis P. DNA repair gene polymorphisms, bulky DNA adducts in white blood cells and bladder cancer in a case-control study. *Int J Cancer*. 2001 May 15;92(4):562-7. PubMed PMID: 11304692.
200. Ribichini F, Vado A, Uslenghi E, **MATULLO G**, Piazza A. Relationship between plasma ACE activity and the proliferative healing process in coronary vessel injury after coronary stenting. *Atherosclerosis*. 2000 Sep;152(1):261-3. PubMed PMID: 11203159.
201. Brscic E, Bergerone S, Gagnor A, Colajanni E, **MATULLO G**, Scaglione L, Cassader M, Gaschino G, Di Leo M, Brusca A, Pagano GF, Piazza A, Trevi GP. Acute myocardial infarction in young adults: prognostic role of angiotensin-converting enzyme, angiotensin II type I receptor, apolipoprotein E, endothelial constitutive nitric oxide synthase, and glycoprotein IIIa genetic polymorphisms at medium-term follow-up. *Am Heart J*. 2000 Jun;139(6):979-84. PubMed PMID: 10827377.
202. Ribichini F, Steffenino G, Dellavalle A, **MATULLO G**, Colajanni E, Camilla T, Vado A, Benetton G, Uslenghi E, Piazza A. Plasma activity and insertion/deletion polymorphism of angiotensin I-converting enzyme: a major risk factor and a marker of risk for coronary stent restenosis. *Circulation*. 1998 Jan 20;97(2):147-54. PubMed PMID: 9445166.
203. **MATULLO G**#, Griffo RM, Mountain JL, Calafell F, Guarrera S, Piazza A, Cavalli-Sforza LL. Seventy-five nuclear DNA polymorphisms in an Italian sample: a comparative worldwide study. *Gene Geogr*. 1997 Apr;11(1):15-35. PubMed PMID: 9615211.
204. **MATULLO G**#, Griffo RM, Mangione AM, Cappello N, Rendine S, Piazza A. Analysis of HLA-A, C, B, DR and DQ loci in an Italian sample of possible Celtic origin. *Tissue Antigens*. 1995 May;45(5):295-301. PubMed PMID: 7652735.
205. Migone N, Padovan S, Zappador C, Giachino C, Bottaro M, **MATULLO G**, Carbonara C, Libero GD, Casorati G. Restriction of the T-cell receptor V delta gene repertoire is due to preferential rearrangement and is independent of antigen selection. *Immunogenetics*. 1995;42(5):323-332. PubMed PMID: 7590965.
206. Giachino C, Rocci MP, Bottaro M, **MATULLO G**, De Libero G, Migone N. T cell receptor V delta 2-C alpha transcripts are present in the thymus but virtually absent in the periphery. *J Immunol*. 1994 Aug 15;153(4):1637-44. PubMed PMID: 8046236.

207. **MATULLO G**#, Griffo RM, Mountain JL, Piazza A, Cavalli-Sforza LL. RFLP analysis on a sample from northern Italy. *Gene Geogr.* 1994 Apr;8(1):25-34. PubMed PMID: 7619773.

Biondi A, Francia di Celle P, Rossi V, Casorati G, **MATULLO G**, Giudici G, Foa R, Migone N. High prevalence of T-cell receptor V delta 2-(D)-D delta 3 or D delta 1/2-D delta 3 rearrangements in B-precursor acute lymphoblastic leukemias. *Blood.* 1990 May 1;75(9):1834-40. PubMed PMID: 2331523.

Books

1. Torres SM, Erdei E, Berwick M, **MATULLO G**, Vineis P. (2012) Molecular Epidemiology. Chap. 4. In *Handbook of Epidemiology*, 2nd Edition, Springer Publishers.
2. Paolo Vineis, GIUSEPPE MATULLO, Marianne Berwick. (2004) Molecular Epidemiology. Chap. 7. In *Handbook of Epidemiology*, John M. Last, Springer Publishers.
3. Berwick M, **MATULLO G**, Vineis P. (2002) Studies of DNA repair and human cancer: an update. Chap.7: 83-107. In *Biomarkers of environmentally associated disease: technologies, concepts, and perspectives*. Edited by Wilson SH and Suk WA. Lewis publishers. CRC Press LLC, New York.
4. Colajanni E, **MATULLO G**, Piazza A. (1997) Genetica e malattie cardiovascolari. In *Selezione di Argomenti di Cardiologia: per i candidati all'idoneità apicale*. Bergerone S e Morello M. Centro Scientifico Editore. Volume 2; pp. 1-12.
5. English translation for ADELPHI Editor, chapters 1 e 2 of the book: "The History and Geography of Human Genes". Cavalli-Sforza LL, Menozzi P, Piazza A. Princeton, Princeton University Press, 1994