

SILVIA POLIDORO, PHD

PERSONAL INFORMATION

Birthdate May 9, 1969 Torino Italy
Nationality Italian
Foreign language English
email silviapoli@gmail.com
Scopus ID 57199507851
Orcid ID 0000-0003-2968-0575

WORK EXPERIENCES

- 2021 – present Tutor at the Dipartimento di Scienze della Salute dell'Università degli studi del Piemonte Orientale "A. Avogadro":
- Undergraduate students tutoring: laboratory activity for the school internship and the graduation thesis
 - Teaching short courses on bibliographical researches and thesis organisation and writing.
 - Teaching laboratories practice for the second and third year of biotechnology degree
- 2019 – present
- Self-employed as genomic service provider and consultant. I offer (epi)genomic data production and analysis as well as consultation for epidemiologic research projects.
 - Consultant scientist at IIGM foundation for the genomic service (genotyping and DNA methylation)
 - Honorary Research Associate position in the School of Public Health, Faculty of Medicine, Imperial College London (UK)
- 2010 – 2018
- Position as Senior Researcher at IIGM Foundation of Turin (PKA HuGeF), Molecular Epidemiology and Exposomics Unit (headed by Prof. P. Vineis), where I was responsible for molecular biology laboratory work, (epi)genomic data production (Illumina) and data mining (Cytoscape, R, pathway analysis and enrichment analysis tools). I worked in close collaboration with the biostatisticians both at IIGM and Imperial College London.
 - I led a work-package on DNA methylation analysis for an H2020 European project on healthy ageing (<http://www.lifepathproject.eu>) and I was involved in several other international projects mainly on genetic and epigenetic aspects of carcinogenesis and nutrition.
- 2003 – 2010
- Position as Junior Researcher at Molecular Epidemiology Laboratory of I.S.I. Foundation of Turin, where I was involved in various molecular epidemiology projects coordinated by Prof. P. Vineis and Prof. G. Matullo
- 2000 – 2002
- Post Doc at Molecular Epidemiology Laboratory (headed by Prof. P. Vineis), Dept. of Biomedical Sciences, University of Turin.
 - As a Post Doc I was involved in a large study on the effects of air pollution on the risk of cancer and molecular endpoints (GEN-AIR)
- 1995 – 2000
- PhD student in Human Genetics (supervisor Prof. N. Migone) at Dept. of Medical Genetics University of Turin.
 - My PhD project focused on the molecular study of Tuberous Sclerosis, particularly in setting up FAMA (Fluorescence Assisted Mismatch Analysis) technique for the mutation detection on TSC2 gene in collaboration with Prof. T.Meo, Unitè d'Immunogènétique, Institut Pasteur (Paris).

EDUCATION

- 2003 - Master in Bioinformatics at Biotechnology Foundation, University of Turin, with full marks
2000 - PhD degree in Human Genetics, University of Turin
1997 - Professional qualification
1995 - Degree in Biological Sciences at the University of Turin with full marks

TRAINING

- 2014 December - "Statistical approaches to genome data analysis" Course, Imperial College London, London (UK)
2014 June

- 2014 May - "Molecular interactions pathways and networks" Course, EMBL-EBI, Wellcome Genome Campus, Hinxton, Cambridge (UK)
- 2013 April - "3rd Annual 450k Methylation Array Analysis Workshop"
- 2012 October - "2nd Annual Infinium HumanMethylation450 Array Workshop" (Illumina and Imperial college London, London (UK)
- 2012 May - Workshop in: "Analysis of Illumina Infinium HumanMethylation450 BeadChip data" , Imperial College London, London (UK)
- 2005 January - "1st Annual Infinium HumanMethylation450 Array Workshop" (Illumina and Imperial college London, London (UK)
- 2003 March - Course in: "Statistics for the Biological Data Analysis", University of Turin
- 2001 May - PERL language course for the Biological Data Analysis University of Turin
- 2000 October - Molecular Epidemiology course, University of Turin
- 1997 March - Practical Bioinformatic course, Italian Biotechnology School, University of Turin
- 1996 November - European school of Medical Genetics, X course
- 1996, 1998 - Course "Genes and Cancer" at the Genetics School in Cortona, Italy
- Visiting student at the Institut Pasteur, Unitè d'Immunogènètique Paris, France with Prof. T.Meo

TUTORING

Administered academic guidance and tutoring to undergraduate and PhD students:

tutor of two PhD student (complex systems for life sciences), tutor of two master students (molecular biology and biology), co-tutor of three master students (economics, mathematics, engineering)

EDUCATIONAL AND TRAINING ACTIVITIES

Organisation and participation in "VIVERE LA SCIENZA": hands-on laboratory for high school students. Molecular Biology Center Università di Torino, Compagnia di San Paolo/ IIGM

Participation in "Settimane della Scienza"

- March-May 2018: Educational activity for primary school "Molecole Colorate il pH", Compagnia di San Paolo/ IIGM
- May 2017: Educational activity for primary school "La cromatografia, perché le foglie cambiano colore", Compagnia di San Paolo/ HuGeF
- May 2016: Educational activity for primary school "Costruiamo un cariotipo", Compagnia di San Paolo/ HuGeF
- May 2015: Educational activity for primary school kids and their family "Estraiamo il DNA dalla Banana", Compagnia di San Paolo
- May 2014: Educational activity for primary school and their family "Estraiamo il DNA dalla frutta", Compagnia di San Paolo/ stand HuGeF

Participation in "Notte dei ricercatori, Torino " September 2016: Educational activity for primary school kids "lattAttack", Compagnia di San Paolo/ HuGeF

GRANTS

AIRC - Italian Association for Cancer Research 2011: "Epigenomics and telomere length in breast and colon cancers in a prospective study". PI P. Vineis **Silvia Polidoro - HuGeF - collaborator.**

European Commission EnviroGenoMarkers Biomarkers in environmental cancer 01/01/09-31/12/12 PI: P. Vineis (**Silvia Polidoro - HuGeF - Collaborator**)

"BBMRI LPC – Large Prospective Cohorts"- Call FP7 INFRASTRUCTURES INFRA 2012 1.1.9. PI M. Perola (**Silvia Polidoro - HuGeF - Collaborator**)

AIRC - Italian Association for Cancer Research 2013: "Is the protective effect of Mediterranean Diet on cancer mediated by a methylation pattern?" PI Carlotta Sacerdote **Silvia Polidoro - HuGeF - partner.** €420,000

Compagnia di San Paolo, Torino, HuGeF Foundation Molecular Epidemiology of Cancer including epigenetics, 01/01/13-31/12/17 PI: P. Vineis (**Silvia Polidoro - HuGeF - Collaborator**)

"Quantitative assessment of gene-environment interaction in cultured nasal epithelial cells exposed to fine air-pollution using an in vitro simulator of nasal breathing" – Grant MAE-MOST ((Ministero Affari Esteri – Ministry of Science and Technology): Cooperation Treaty between the Republic of Italy and the State of Israel in the field of Research and Industrial Development 01/03/2012-28/02/2014 **Co-PI: Silvia Polidoro – HuGeF** €39,874.64

Compagnia di San Paolo, Torino, HuGeF Foundation Molecular Epidemiology of Cancer including epigenetics, 01/01/13-31/12/17 PI: P. Vineis (**Silvia Polidoro - HuGeF - Collaborator**)

Horizon 2020 - NUMBER — 633666 — LIFEPATH Lifecourse biological pathways underlying social differences in healthy ageing (PI Paolo Vineis, Imperial college) (**Silvia Polidoro - IIGM – work-package Leader - Partner**). €5,999,758

Research Council of Norway 2017: “ID-Lung: Identifying biomarkers of metastatic lung cancer using Gene expression, DNA methylation and microRNAs in blood prior to clinical diagnosis” PI: Torkjel Sandanger (**Silvia Polidoro - IIGM –Partner**).

Compagnia di San Paolo, Torino, HuGeF Foundation Molecular Epidemiology of Cancer including epigenetics, 01/01/18-31/12/18 PI: P. Vineis (**Silvia Polidoro - HuGeF - Collaborator**)

MEETINGS

WORKSHOP S.I.P.M.O._Torino 2016 (EAOM) Biomarkers ed esami di laboratorio in medicina orale: in quale direzione stiamo andando? GIOVEDÌ 15 SETTEMBRE 2016 “Studi di associazione genome-wide: potenzialità e limiti in medicina orale” – Oral presentation

CONVEGNO INTERNAZIONALE Le terapie complementari in oncologia - 6-7 Ottobre 2016 “Epigenetica e terapie complementari” – Oral presentation

Healthy Ageing: From Molecules to Organisms 31 January–02 February 2018 Wellcome Genome Campus, Hinxton, Cambridge (UK), “Caloric restriction and physical exercise decelerate the ageing-associated epigenetic dysregulation”) – Oral presentation

LANGUAGE SKILLS

- Italian Mother tongue
- English C1 Excellent Reading, writing and verbal skills

SCIENTIFIC PUBLICATIONS

SCOPUS ID 57199507851

ORCID ID 0000-0003-2968-0575

NUMBER OF FIRST AUTHOR PUBLICATIONS: 6

NUMBER OF LAST AUTHOR PUBLICATIONS: 3

H-INDEX (SCOPUS) 46

TOTAL NUMBER OF PUBLICATIONS: 113

- Cappozzo A et al., A blood DNA methylation biomarker for predicting short-term risk of cardiovascular events. *Clin Epigenetics*. 2022 Sep 29;14(1):121. doi: 10.1186/s13148-022-01341-4. PMID: 36175966; PMCID: PMC9521011.
- Dugué PA et al., Methylation-based markers of aging and lifestyle-related factors and risk of breast cancer: a pooled analysis of four prospective studies. *Breast Cancer Res*. 2022 Sep 6;24(1):59. doi: 10.1186/s13058-022-01554-8. PMID: 36068634; PMCID: PMC9446544.
- Fiorito G et al., The Role of Epigenetic Clocks in Explaining Educational Inequalities in Mortality: A Multicohort Study and Meta-analysis. *J Gerontol A Biol Sci Med Sci*. 2022 Sep 1;77(9):1750-1759. doi: 10.1093/gerona/glac041. PMID: 35172329.
- Isaevska E, et al., Prenatal exposure to PM10 and changes in DNA methylation and telomere length in cord blood. *Environ Res*. 2022 Jun;209:112717. doi: 10.1016/j.envres.2022.112717. Epub 2022 Jan 19. PMID: 35063426.
- Petrovic D, et al., Epigenetic mechanisms of lung carcinogenesis involve differentially methylated CpG sites beyond those associated with smoking. *Eur J Epidemiol*. 2022 Jun;37(6):629-640. doi: 10.1007/s10654-022-00877-2. Epub 2022 May 20. PMID: 35595947; PMCID: PMC9288379.
- Ribeiro AI and LIFEPATH Consortium. Association of neighbourhood disadvantage and individual socioeconomic position with all-cause mortality: a longitudinal multicohort analysis. *Lancet Public Health*. 2022 May;7(5):e447-e457. doi: 10.1016/S2468-2667(22)00036-6. PMID: 35487230.
- McCrory C, et al., Early life adversity and age acceleration at mid-life and older ages indexed using the next-generation GrimAge and Pace of Aging epigenetic clocks. *Psychoneuroendocrinology*. 2022 Mar;137:105643. doi:10.1016/j.psyneuen.2021.105643.
- Fiorito G, et al., The role of epigenetic clocks in explaining educational inequalities in mortality: a multi-cohort study and meta-analysis. *J Gerontol A Biol Sci Med Sci*. 2022 Feb 17;glac041. doi: 10.1093/gerona/glac041.
- Omichessan H, et al., Associations between plasma levels of brominated flame retardants and methylation of DNA from peripheral blood: A cross-sectional study in a cohort of French women. *Environ Res*. 2022 Jul;210:112788. doi: 10.1016/j.envres.2022.112788. Epub 2022 Feb 3. PMID: 35123963.

- Isaevska E, et al., Prenatal exposure to PM10 and changes in DNA methylation and telomere length in cord blood. *Environ Res.* 2022 Jan 19;209:112717. doi: 10.1016/j.envres.2022.112717.
- Caini S, et al., Pre-diagnostic DNA methylation patterns differ according to mammographic breast density amongst women who subsequently develop breast cancer: a case-only study in the EPIC-Florence cohort. *Breast Cancer Res Treat.* 2021 Sep;189(2):435-444. doi:10.1007/s10549-021-06273-w.
- Galdiano LLDS, et al. Household pesticide exposure: an online survey and shelf research in the Metropolitan Region of Rio de Janeiro, Brazil. *Cad Saude Publica.* 2021 Jul 19;37(7):e00099420. doi:10.1590/0102-311X00099420.
- McCartney DL, et al., Genome-wide association studies identify 137 genetic loci for DNA methylation biomarkers of aging. *Genome Biol.* 2021 Jun 29;22(1):194. doi:10.1186/s13059-021-02398-9.
- Karabegović I, et al., Epigenome-wide association meta-analysis of DNA methylation with coffee and tea consumption. *Nat Commun.* 2021 May 14;12(1):2830. doi: 10.1038/s41467-021-22752-6.
- McCrory C, et al., GrimAge Outperforms Other Epigenetic Clocks in the Prediction of Age-Related Clinical Phenotypes and All-Cause Mortality. *J Gerontol A Biol Sci Med Sci.* 2021 Apr 30;76(5):741-749. doi:10.1093/gerona/glaa286.
- Moccia C, et al., Birthweight DNA methylation signatures in infant saliva. *Clin Epigenetics.* 2021 Mar 19;13(1):57. doi: 10.1186/s13148-021-01053-1.
- Rocha V, et al., Life-course socioeconomic disadvantage and lung function: a multicohort study of 70 496 individuals. *Eur Respir J.* 2021 Mar 18;57(3):2001600. doi:10.1183/13993003.01600-2020.
- Yusipov I, et al., Age-related DNA methylation changes are sex-specific: a comprehensive assessment. *Aging (Albany NY).* 2020 Dec 3;12(23):24057-24080. doi: 10.18632/aging.202251.
- Dagnino S, et al., Agnostic Cys34-albumin adductomics and DNA methylation: Implication of N-acetylcysteine in lung carcinogenesis years before diagnosis. *Int J Cancer.* 2020 Jun 15;146(12):3294-3303. doi: 10.1002/ijc.32680.
- Vineis P, et al., Special Report: The Biology of Inequalities in Health: The Lifepath Consortium. *Front Public Health.* 2020 May 12;8:118. doi: 10.3389/fpubh.2020.00118.
- Robinson O, et al. Determinants of accelerated metabolomic and epigenetic aging in a UK cohort. *Aging Cell.* 2020 Jun;19(6):e13149. doi: 10.1111/ace1.13149. Epub 2020 May 3. PMID: 32363781
- Popovic M, et al. Determination of saliva epigenetic age in infancy, and its association with parental socio-economic characteristics and pregnancy outcomes. *J Dev Orig Health Dis.* 2020 May 26:1-9. doi: 10.1017/S2040174420000380. Epub ahead of print. PMID: 32452337.
- Gagliardi A, et al. Stochastic Epigenetic Mutations Are Associated with Risk of Breast Cancer, Lung Cancer, and Mature B-cell Neoplasms. *Cancer Epidemiol Biomarkers Prev.* 2020 Aug 11. doi: 10.1158/1055-9965.EPI-20-0451. Epub ahead of print. PMID: 32788174. ***joint last author**
- Laine JE et al., Reducing socio-economic inequalities in all-cause mortality: a counterfactual mediation approach. *Int J Epidemiol.* 2020 Apr 1;49(2):497-510. doi: 10.1093/ije/dyz248.
- McCrory C, et al., Epigenetic clocks and allostatic load reveal potential sex-specific drivers of biological ageing. *J Gerontol A Biol Sci Med Sci.* 2019 Oct 11. pii: glz241. doi:10.1093/gerona/glz241. [Epub ahead of print]
- Battram T, et al., Appraising the causal relevance of DNA methylation for risk of lung cancer. *Int J Epidemiol.* 2019 Sep 24. pii: dyz190. doi: 10.1093/ije/dyz190.
- Dagnino S, et al., Agnostic Cys34-albumin adductomics and DNA methylation: implication of N-acetylcysteine in lung carcinogenesis years before diagnosis. *Int J Cancer.* 2019 Sep 12. doi: 10.1002/ijc.32680.
- Grigoryan H, et al., Cys34 Adductomics Links Colorectal Cancer with the Gut Microbiota and Redox Biology. *Cancer Res.* 2019 Dec 1;79(23):6024-6031. doi: 10.1158/0008-5472.CAN-19-1529
- Fasanelli F, et al. DNA methylation, colon cancer and Mediterranean diet: results from the EPIC-Italy cohort. *Epigenetics.* 2019 Oct;14(10):977-988. doi: 10.1080/15592294.2019.1629230.
- Fiorito G, et al.*, 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. ***joint last author**
- Johansson A et al., Epigenome-wide association study for lifetime estrogen exposure identifies an epigenetic signature associated with breast cancer risk. *Clin Epigenetics.* 2019 Apr 30;11(1):66. doi: 10.1186/s13148-019-0664-7.
- McCrory C, et al., Maternal educational inequalities in measured body mass index trajectories in three European countries. *Paediatr Perinat Epidemiol.* 2019 May;33(3):226-237. doi: 10.1111/ppe.12552.
- Bodelon C, et al., Blood DNA methylation and breast cancer risk: a meta-analysis of four prospective cohort studies. *Breast Cancer Res.* 2019 May 17;21(1):62. doi: 10.1186/s13058-019-1145-9.
- McCrory C et al., How does socio-economic position (SEP) get biologically embedded? A comparison of allostatic load and the epigenetic clock(s). *Psychoneuroendocrinology.* 2019 Feb 16;104:64-73.
- Popovic M et al., Differentially methylated DNA regions in early childhood wheezing: An epigenome-wide study using saliva. *Pediatr Allergy Immunol.* 2019 Jan 25
- Campanella G et al., (2018) Epigenome-wide association study of adiposity and future risk of obesity-related diseases. *Int J Obes (Lond).* May 1
- Perttula K et al., Untargeted lipidomic features associated with colorectal cancer in a prospective cohort. *BMC Cancer.* 2018 Oct 19;18(1):996.

- Manna I et al.,(2018) Exosome-associated miRNA profile as a prognostic tool for therapy response monitoring in multiple sclerosis patients. *FASEB J.* Mar 5
- Abelson S et al., Prediction of acute myeloid leukaemia risk in healthy individuals. *Nature.* 2018 Jul;559(7714):400-404.
- Castagné R et al., Lifepath Consortium. (2018) Allostatic load and subsequent all-cause mortality: which biological markers drive the relationship? Findings from a UK birth cohort. *Eur J Epidemiol.* Feb 23.
- Fiorito G et al., (2017) Oxidative stress and inflammation mediate the effect of air pollution on cardio-and cerebrovascular disease: A prospective study in nonsmokers. *Environ Mol Mutagen.* Nov 8.
- Perrier F et al., Identifying and correcting epigenetics measurements for systematic sources of variation. *Clin Epigenetics.* 2018 Mar 21;10:38
- Karlsson Linnér R et al., An epigenome-wide association study meta-analysis of educational attainment. *Mol Psychiatry.* 2017 Dec;22(12):1680-1690
- Fiorito G* and **Polidoro S***, et al., (2017) Social adversity and epigenetic aging: a multi-cohort study on socioeconomic differences in peripheral blood DNA methylation. *Sci Rep.* Nov 24;7(1):16266 ***joint first authors**
- Plusquin M et al., DNA methylation and exposure to ambient air pollution in two prospective cohorts. *Environ Int.* 2017 Nov;108:127-136.
- Ambatipudi S, et al. (2017) DNA methylome analysis identifies accelerated epigenetic ageing associated with postmenopausal breast cancer susceptibility. *Eur J Cancer.* 75:299-307
- Stringhini S, et al. (2017) Socioeconomic status and the 25 × 25 risk factors as determinants of premature mortality: a multicohort study and meta-analysis of 1.7 million men and women. *Lancet.* 389(10075):1229-1237
- Baglietto L, et al*. (2017) DNA methylation changes measured in pre-diagnostic peripheral blood samples are associated with smoking and lung cancer risk. *Int J Cancer.* 140(1):50-61. ***joint last author**
- Critelli R et al., 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
- Perttula K et al., Evaluating Ultra-long-Chain Fatty Acids as Biomarkers of Colorectal Cancer Risk. *Cancer Epidemiol Biomarkers Prev.* 2016 Aug;25(8):1216-23.
- Ambatipudi S, et al. (2016) Tobacco smoking-associated genome-wide DNA methylation changes in the EPIC study. *Epigenomics* 8(5):599-618.
- Roura E et al., The Influence of Hormonal Factors on the Risk of Developing Cervical Cancer and Pre-Cancer: Results from the EPIC Cohort. *PLoS One.* 2016 Jan 25;11(1)
- Emaus MJ et al., Vegetable and fruit consumption and the risk of hormone receptor-defined breast cancer in the EPIC cohort. *Am J Clin Nutr.* 2016 Jan;103(1):168-77.
- Guarrera S. et al., Gene-specific DNA methylation profiles and LINE-1 hypomethylation are associated with myocardial infarction risk. *Clin Epigenetics.* 2015 Dec 24;7:133
- Fasanelli F, et al. (2015) Hypomethylation of smoking-related genes is associated with future lung cancer in four prospective cohorts. *Nature communications* 6:10192.
- Kelly RS et al., Determinants of the t(14;18) translocation and their role in t(14;18)-positive follicular lymphoma. *Cancer Causes Control.* 2015 Dec;26(12):1845-55.
- Cordero F, et al. (2015) Differentially methylated microRNAs in prediagnostic samples of subjects who developed breast cancer in the European Prospective Investigation into Nutrition and Cancer (EPIC-Italy) cohort. *Carcinogenesis* 36(10):1144-1153.
- van Veldhoven K* and **Polidoro S***, et al. (2015) Epigenome-wide association study reveals decreased average methylation levels years before breast cancer diagnosis. *Clin Epigenetics.* 2015 Aug 4;7:67 ***joint first authors**
- Stringhini S* and **Polidoro S***, et al. (2015) Life-course socioeconomic status and DNA methylation of genes regulating inflammation. *International journal of epidemiology* 44(4):1320-1330. ***joint first authors**
- Campanella G* and **Polidoro S*** et al. (2014) Epigenetic signatures of internal migration in Italy. *International journal of epidemiology.* ***joint first authors**
- Khadjavi A et al., 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
- Guida F et al., Dynamics of smoking-induced genome-wide methylation changes with time since smoking cessation. *Hum Mol Genet.* 2015 Apr 15;24(8):2349-59.
- Yang HP et al., Infertility and incident endometrial cancer risk: a pooled analysis from the epidemiology of endometrial cancer consortium (E2C2). *Br J Cancer.* 2015 Mar 3;112(5):925-33.
- Zamora-Ros R et al., Reproductive and menstrual factors and risk of differentiated thyroid carcinoma: the EPIC study. *Int J Cancer.* 2015 Mar 1;136(5):1218-27.
- Ganesh SK et al., 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
- Chen MM et al., Exome-wide association study of endometrial cancer in a multiethnic population. *PLoS One.* 2014 May 8;9(5):e97045.

- Demetriou CA et al., Methylome analysis and epigenetic changes associated with menarcheal age. *PLoS One*. 2013 Nov 20;8(11):e79391.
- Allione A et al., 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.
- Sacerdote C et al., Polymorphisms in the XRCC1 gene modify survival of bladder cancer patients treated with chemotherapy. *Int J Cancer*. 2013 Oct 15;133(8):2004-9.
- **Polidoro S**, et al. (2013) Effects of bisphosphonate treatment on DNA methylation in osteonecrosis of the jaw. *Mutation research* 757(2):104-113.
- Shenker NS, et al. (2013) DNA methylation as a long-term biomarker of exposure to tobacco smoke. *Epidemiology (Cambridge, Mass.)* 24(5):712-716.
- Ferrari P et al., Challenges in estimating the validity of dietary acrylamide measurements. *Eur J Nutr*. 2013 Aug;52(5):1503-12.
- Tsilidis KK et al., Insulin-like growth factor pathway genes and blood concentrations, dietary protein and risk of prostate cancer in the NCI Breast and Prostate Cancer Cohort Consortium (BPC3). *Int J Cancer*. 2013 Jul15;133(2):495-504.
- Setiawan VW et al., Type I and II endometrial cancers: have they different risk factors? *J Clin Oncol*. 2013 Jul10;31(20):2607-18.
- Sim X et al., Genetic loci for retinal arteriolar microcirculation. *PLoS One*. 2013 Jun 12;8(6):e65804.
- Freisling H et al., Dietary acrylamide intake of adults in the European Prospective Investigation into Cancer and Nutrition differs greatly according to geographical region. *Eur J Nutr*. 2013 Jun;52(4):1369-80.
- Zamora-Ros R et al., Differences in dietary intakes, food sources and determinants of total flavonoids between Mediterranean and non-Mediterranean countries participating in the European Prospective Investigation into Cancer and Nutrition (EPIC) study. *Br J Nutr*. 2013 Apr 28;109(8):1498-507
- Shenker NS* and **Polidoro S*** et al. (2013) Epigenome-wide association study in the European Prospective Investigation into Cancer and Nutrition (EPIC-Turin) identifies novel genetic loci associated with smoking. *Human molecular genetics* 22(5):843-851. ***joint first authors**
- Ferrari P et al., Dietary fiber intake and risk of hormonal receptor-defined breast cancer in the European Prospective Investigation into Cancer and Nutrition study. *Am J Clin Nutr*. 2013 Feb;97(2):344-53.
- Steindorf K et al., Prospective study on physical activity and risk of in situ breast cancer. *Cancer Epidemiol Biomarkers Prev*. 2012 Dec;21(12):2209-19.
- Buckland G et al., Olive oil intake and breast cancer risk in the Mediterranean countries of the European Prospective Investigation into Cancer and Nutrition study. *Int J Cancer*. 2012 Nov 15;131(10):2465-9.
- Rinaldi S et al., Body size and risk of differentiated thyroid carcinomas: findings from the EPIC study. *Int J Cancer*. 2012 Sep 15;131(6):E1004-14.
- Sacerdote C et al., Lower educational level is a predictor of incident type 2 diabetes in European countries: the EPIC-InterAct study. *Int J Epidemiol*. 2012 Aug;41(4):1162-73.
- Guarrera S et al., 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.
- Leuffkens AM et al., Educational level and risk of colorectal cancer in EPIC with specific reference to tumor location. *Int J Cancer*. 2012 Feb 1;130(3):622-30.
- Caboux E et al., Sources of pre-analytical variations in yield of DNA extracted from blood samples: analysis of 50,000 DNA samples in EPIC. *PLoS One*. 2012;7(7):e39821.
- Johnson T et al., Blood pressure loci identified with a gene-centric array. *Am J Hum Genet*. 2011 Dec 9;89(6):688-700.
- Rafnar T et al., 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.
- Ricceri F et al., 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.
- Saieva C et al., Bulky DNA adducts and breast cancer risk in the prospective EPIC-Italy study. *Breast Cancer Res Treat*. 2011 Sep;129(2):477-84.
- Scoccianti C et al., Methylation patterns in sentinel genes in peripheral blood cells of heavy smokers: Influence of cruciferous vegetables in an intervention study. *Epigenetics*. 2011 Sep 1;6(9):1114-9.
- Schumann G et al., 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.
- Tabara Y et al., Common variants in the ATP2B1 gene are associated with susceptibility to hypertension: the Japanese Millennium Genome Project. *Hypertension*. 2010 Nov;56(5):973-80.
- Palli D et al., Polymorphic DNA repair and metabolic genes: a multigenic study on gastric cancer. *Mutagenesis*. 2010 Nov;25(6):569-75.
- Rothman N et al., A multi-stage genome-wide association study of bladder cancer identifies multiple susceptibility loci. *Nat Genet*. 2010 Nov;42(11):978-84.

- Ikram MK et al., Four novel Loci (19q13, 6q24, 12q24, and 5q14) influence the microcirculation in vivo. *PLoS Genet.* 2010 Oct 28;6(10):e1001184.
- Kiemeny LA et al., A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer. *Nat Genet.* 2010 May;42(5):415-9.
- Ricceri F et al., ERCC1 haplotypes modify bladder cancer risk: a case-control study. *DNA Repair (Amst).* 2010 Feb 4;9(2):191-200.
- Stern MC et al., 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.
- Wu X et al., Genetic variation in the prostate stem cell antigen gene PSCA confers susceptibility to urinary bladder cancer. *Nat Genet.* 2009 Sep;41(9):991-5.
- Newton-Cheh C et al., Genome-wide association study identifies eight loci associated with blood pressure. *Nat Genet.* 2009 Jun;41(6):666-76.
- Rafnar T et al., Sequence variants at the TERT-CLPTM1L locus associate with many cancer types. *Nat Genet.* 2009 Feb;41(2):221-7.
- Vineis P et al., 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
- Kiemeny LA et al., Sequence variant on 8q24 confers susceptibility to urinary bladder cancer. *Nat Genet.* 2008 Nov;40(11):1307-12.
- Andrew AS et al., DNA repair polymorphisms modify bladder cancer risk: a multi-factor analytic strategy. *Hum Hered.* 2008;65(2):105-18.
- Guarrera S et al., Expression of DNA repair and metabolic genes in response to a flavonoid-rich diet. *Br J Nutr.* 2007 Sep;98(3):525-33.
- Sacerdote C et al., Intake of fruits and vegetables and polymorphisms in DNA repair genes in bladder cancer. *Mutagenesis.* 2007 Jul;22(4):281-5.
- Manuguerra M et al., Multi-factor dimensionality reduction applied to a large prospective investigation on gene-gene and gene-environment interactions. *Carcinogenesis.* 2007 Feb;28(2):414-22.
- Matullo G et al., DNA repair polymorphisms and cancer risk in non-smokers in a cohort study. *Carcinogenesis.* 2006 May;27(5):997-1007.
- Matullo G et al., 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.
- Di Gaetano C et al., The TDI-FP assay in human Y chromosome SNP haplotyping. *Genet Test.* 2004 Winter;8(4):400-3.
- Matullo G et al., 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.
- Matullo G et al., XRCC1, XRCC3, XPD gene polymorphisms, smoking and (32)P-DNA adducts in a sample of healthy subjects. *Carcinogenesis.* 2001 Sep;22(9):1437-45.
- Longa L et al., TSC1 and TSC2 deletions differ in size, preference for recombinatorial sequences, and location within the gene. *Hum Genet.* 2001 Feb;108(2):156-66.
- Beltramello A et al., Does the tuberous sclerosis complex include intracranial aneurysms? A case report with a review of the literature. *Pediatr Radiol.* 1999 Mar;29(3):206-11. Review.
- Longa L et al., A large TSC2 and PKD1 gene deletion is associated with renal and extrarenal signs of autosomal dominant polycystic kidney disease. *Nephrol Dial Transplant.* 1997 Sep;12(9):1900-7.
- Longa L et al., A tuberous sclerosis patient with a large TSC2 and PKD1 gene deletion shows extrarenal signs of autosomal dominant polycystic kidney disease. *Contrib Nephrol.* 1997;122:91-5.