

FORMATO EUROPEO PER IL CURRICULUM VITAE



INFORMAZIONI PERSONALI

Nome **ROBINO ANTONIETTA**

ESPERIENZA LAVORATIVA

- Date (da – a)
- Nome e indirizzo del datore di lavoro
- Tipo di impiego

DICEMBRE 2019- OGGI

IRCCS Materno Infantile Burlo Garofolo, Via dell'Istria 65/1 Trieste
Ricercatore sanitario a tempo determinato

SETTEMBRE 2015- DICEMBRE 2019

IRCCS Materno Infantile Burlo Garofolo, Via dell'Istria 65/1 Trieste
Incarico di collaborazione

MARZO 2014- SETTEMBRE 2015

IRCCS Materno Infantile Burlo Garofolo, Via dell'Istria 65/1 Trieste
Borsa di studio

APRILE 2011- SETTEMBRE 2011

Human Genetics Department, Wellcome Trust Sanger Institute di Cambridge (UK)
Stage

SETTEMBRE 2010- FEBBRAIO 2011

IRCCS Materno Infantile Burlo Garofolo, Via dell'Istria 65/1 Trieste
Incarico di collaborazione

ISTRUZIONE E FORMAZIONE

- Date (da – a)
- Nome e tipo di istituto di istruzione o formazione
- Qualifica conseguita

Maggio 2017- oggi

Scuola di specializzazione in Genetica medica, Università degli Studi di Trieste

Maggio 2014

Dottorato di ricerca in Scienze della Riproduzione e dello sviluppo indirizzo Genetico Molecolare, Università degli Studi di Trieste

Novembre 2012

Esame di stato per l'abilitazione alla Professione di Biologo, Università degli Studi di Trieste

Marzo 2010

Corso di Laurea Specialistica in Neuroscienze, Università degli Studi di Trieste.
Dottore Magistrale in Neuroscienze (6/S – Classe delle lauree specialistiche in biologia)

Luglio 2007

Corso di Laurea in Scienze Biologiche, Indirizzo Biomolecolare, Università degli Studi di Trieste.
Dottore in Scienze Biologiche (12 – Classe delle lauree in scienze biologiche)

Luglio 2002

Diploma di scuola media superiore, Liceo Classico “Francesco D’Aguirre” – Salemi (TP)

PUBBLICAZIONI

Robino A, Rosso N, Guerra M, Corleone P, Casagranda B, Giraudi PJ, Tiribelli C, Simeth C, Monica F, La Bianca M, Gasparini P, de Manzini N, Palmisano S. Taste perception and expression in stomach of bitter taste receptor tas2r38 in obese and lean subjects. *Appetite*. 2021; 166:105595. DOI: 10.1016/j.appet.2021.105595

Catamo E, Tornese G, Concas MP, Gasparini P, Robino A. Differences in taste and smell perception between type 2 diabetes mellitus patients and healthy controls. *Nutr Metab Cardiovasc Dis.* 2021; 4;31(1):193-200. DOI: 10.1016/j.numecd.2020.08.025

Mezzavilla M, Navarra CO, Di Lenarda R, Gasparini P, Bevilacqua L, Robino A. Runs of homozygosity are associated with staging of periodontitis in isolated populations. *Hum Mol Genet*. 2021; 30(12):1154-1159. DOI: 10.1093/hmg/ddab085

Pinart M, Jeran S, Boeing H, Stelmach-Mardas M, Standl M, Schulz H, Harris C, von Berg A, Herberth G, Koletzko S, Linseisen J, Breuninger TA, Nöthlings U, Barbaresko J, Benda S, Lachat C, Yang C, Gasparini P, Robino A, Rojo-Martínez G, Castaño L, Guillaume M, Donneau AF, Hoge A, Gillain N, Avraam D, Burton PR, Bouwman J, Pischedda T, Nimptsch K. Dietary Macronutrient Composition in Relation to Circulating HDL and Non-HDL Cholesterol: A Federated Individual-Level Analysis of Cross-Sectional Data from Adolescents and Adults in 8 European Studies. *J Nutr*. 2021:nxab077. DOI: 10.1093/jn/nxab077

Simcoe M et al. Genome-wide association study in almost 195,000 individuals identifies 50 previously unidentified genetic loci for eye color. *Sci Adv*. 2021;7(11):eabd1239. DOI: 10.1126/sciadv.abd1239

Mezzavilla M, Zupin L, Navarra CO, Di Lenarda R, Gasparini P, Crovella S, Robino A, Bevilacqua L. deleterious variants in genes associated with bone mineral density are linked to susceptibility to periodontitis development. *Meta Gene*. 2020. <https://doi.org/10.1016/j.mgene.2020.100670>

Piatti G, Ambrosetti U, Robino A, Girotto G, Gasparini P. Primary Ciliary Dyskinesia: The Impact of Taste Receptor (TAS2R38) Gene Polymorphisms on Disease Outcome and Severity. *Int Arch Allergy Immunol*. 2020; 181(9):727-731. DOI: 10.1159/000508938

Cocca M et al. A bird's-eye view of Italian genomic variation through whole-genome sequencing. *Eur J Hum Genet* 2020. DOI: 10.1038/s41431-019-0551-x

Clark DW et al. Associations of autozygosity with a broad range of human phenotypes. *Nat Commun* 2019. DOI: 10.1038/s41467-019-12283-6

Tin A et al. Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. *Nat Genet* 2019. DOI: 10.1038/s41588-019-0504-x

Robino A, Concas MP, Catamo E, Gasparini P. A Brief Review of Genetic Approaches to the Study of Food Preferences: Current Knowledge and Future Directions. *Nutrients*, 2019. DOI: 10.3390/nu11081735

Noordam R et al. Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. *J Am Coll Cardiol* 2019. DOI: 10.1016/j.jacc.2019.03.519

Wuttke M et al. A catalog of genetic loci associated with kidney function from analyses of a million individuals. *Nat Genet* 2019. DOI: 10.1038/s41588-019-0407-x

Sung YJ et al. A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. *Hum Mol Genet* 2019. DOI: 10.1093/hmg/ddz070

Cont G, Paviotti G, Montico M, Paganin P, Guerra M, Trappan A, Demarini S, Gasparini P, Robino A. TAS2R38 bitter taste genotype is associated with complementary feeding behavior in infants. *Genes Nutr* 2019. DOI: 10.1186/s12263-019-0640-z

Bentley AR et al. Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. *Nat Genet*. 2019. DOI: 10.1038/s41588-019-0378-y

Justice AE et al. Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. *Nat Genet*. 2019. DOI: 10.1038/s41588-018-0334-2

de Vries PS et al. Multi-Ancestry Genome-Wide Association Study of Lipid Levels Incorporating Gene-Alcohol Interactions. *Am J Epidemiol*. 2019. DOI: 10.1093/aje/kwz005

van Setten J et al. Genome-wide association meta-analysis of 30,000 samples identifies seven novel loci for quantitative ECG traits. *Eur J Hum Genet*. 2019. DOI: 10.1038/s41431-018-0295-z

Kilpeläinen TO et al. Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity. *Nat Commun*. 2019. DOI: 10.1038/s41467-018-08008-w

Karlsson Linner R et al. Genome-wide association analyses of risk tolerance and risky behaviors in over 1 million individuals identify hundreds of loci and shared genetic influences. *Nat Genet*. 2019. DOI: 10.1038/s41588-018-0309-3

Mezzavilla M, Notarangelo M, Concas MP, Catamo E, Gasparini P, Grillotti MG, Robino A. Investigation of the link between PROP taste perception and vegetables consumption using FAOSTAT data. *Int J Food Sci Nutr*. 2019. DOI: 10.1080/09637486.2018.1519527

Ligthart S et al. Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders. *Am J Hum Genet*. 2018. DOI: 10.1016/j.ajhg.2018.09

Bevilacqua L, Navarra CO, Pirastu N, Lenarda RD, Gasparini P, Robino A. A genome-wide association study identifies an association between variants in EFCAB4B gene and periodontal disease in an Italian isolated population. *J Periodontal Res*. 2018. DOI: 10.1111/jre.12598

Zupin L, Moura Rodrigues R, Navarra CO, Bevilacqua L, Catamo E, Di Lenarda R, Gasparini P, Crovella S, Robino A. Association of LTA gene haploblock with periodontal disease in Italian adults. *J Periodontal Res*. 2019. DOI: 10.1111/jre.12609

Evangelou E et al. Genetic analysis of over 1 million people identifies 535 new loci associated with blood pressure traits. *Nat Genet*. 2018. DOI: 10.1038/s41588-018-0205-x

van Setten J et al. PR interval genome-wide association meta-analysis identifies 50 loci associated with atrial and atrioventricular electrical activity. *Nat Commun*. 2018. DOI: 10.1038/s41467-018-04766-9

Lee JJ et al. Gene discovery and polygenic prediction from a genome-wide association study of educational attainment in 1.1 million individuals. *Nat Genet*. 2018. DOI: 10.1038/s41588-018-0147-3

Prins BP et al. Exome-chip meta-analysis identifies novel loci associated with cardiac conduction, including ADAMTS6. *Genome Biol*. 2018. DOI: 10.1186/s13059-018-1457-6

Feitosa MF et al. Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. *PLoS One*. 2018. DOI: 10.1371/journal.pone.0198166

Hysi PG et al. Genome-wide association meta-analysis of individuals of European ancestry identifies new loci explaining a substantial fraction of hair color variation and heritability. *Nat Genet.* 2018. DOI: 10.1038/s41588-018-0100

Pinart M et al. Joint Data Analysis in Nutritional Epidemiology: Identification of Observational Studies and Minimal Requirements. *J Nutr.* 2018. DOI: 10.1093/jn/nxx037

Sung YJ et al. A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. *Am J Hum Genet.* 2018. DOI: 10.1016/j.ajhg.2018.01.015

Turcot V et al. Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity. *Nat Genet.* 2018. DOI: 10.1038/s41588-017-0011-x

Wain LV et al. Novel Blood Pressure Locus and Gene Discovery Using Genome-Wide Association Study and Expression Data Sets From Blood and the Kidney. *Hypertension.* 2017. DOI: 10.1161/HYPERTENSIONAHA.117.09438

Gorski M et al. 1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. *Sci Rep.* 2017. DOI: 10.1038/srep45040

Day FR et al. Genomic analyses identify hundreds of variants associated with age at menarche and support a role for puberty timing in cancer risk. *Nat Genet.* 2017. DOI: 10.1038/ng.3841

Marouli E et al. Rare and low-frequency coding variants alter human adult height. *Nature.* 2017. DOI: 10.1038/nature21039

Monteleone E et al. Exploring influences on food choice in a large population sample: The Italian Taste project. *Food Quality and Preference.* 2017. <https://doi.org/10.1016/j.foodqual.2017.02.013>

Zupin L, Navarra CO, Robino A, Bevilacqua L, Di Lenarda R, Gasparini P, Crovella S. NLRC5 polymorphism is associated with susceptibility to chronic periodontitis. *Immunobiology.* 2017. DOI: 10.1016/j.imbio.2017.01.001

Li M. et al. SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. *J Am Soc Nephrol.* 2017. DOI: 10.1681/ASN.2016020131

Schumann G et al. KLB is associated with alcohol drinking, and its gene product β -Klotho is necessary for FGF21 regulation of alcohol preference. *Proc Natl Acad Sci U S A.* 2016. DOI: 10.1073/pnas.1611243113

Navarra CO, Robino A, Pirastu N, Bevilacqua L, Gasparini P, Di Lenarda R, Crovella S. Caries and Innate Immunity: DEFB1 Gene Polymorphisms and Caries Susceptibility in Genetic Isolates from North-Eastern Italy. *Caries Res.* 2016. DOI: 10.1159/000450965

Marioni RE et al. Genetic variants linked to education predict longevity. *Proc Natl Acad Sci U S A.* 2016. DOI: 10.1073/pnas.1605334113

Barban N. et al. Genome-wide analysis identifies 12 loci influencing human reproductive behavior. *Nat Genet.* 2016. DOI: 10.1038/ng.3698

Pirastu N, Kooyman M, Robino A, van der Spek A, Navarini L, Amin N, Karssen LC, Van Duijn CM, Gasparini P. Non-additive genome-wide association scan reveals a new gene associated with habitual coffee consumption. *Sci Rep.* 2016. DOI: 10.1038/srep31590

Okbay A et al. Genome-wide association study identifies 74 loci associated with educational attainment. *Nature.* 2016. DOI: 10.1038/nature17671

Risso DS, Mezzavilla M, Pagani L, Robino A, Morini G, Tofanelli S, Carrai M, Campa D, Barale R, Caradonna F, Gasparini P, Luiselli D, Wooding S, Drayna D. Global diversity in the TAS2R38 bitter taste receptor: revisiting a classic evolutionary PROPosal. *Sci Rep.* 2016. DOI: 10.1038/srep25506

Pirastu N, Kooyman M, Traglia M, Robino A, Willems SM, Pistis G, Amin N, Sala C, Karssen LC, Van Duijn C, Toniolo D, Gasparini P. A Genome-Wide Association

Study in isolated populations reveals new genes associated to common food likings. Rev Endocr Metab Disord. 2016. DOI: 10.1007/s11154-016-9354-3

Pattaro C et al. Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. Nat Commun. 2016. DOI: 10.1038/ncomms10023

Robino A, Mezzavilla M, Pirastu N, La Bianca M, Gasparini P, Carlino D, Tepper BJ. Understanding the role of personality and alexithymia in food preferences and PROP taste perception. Physiol Behav. 2016. DOI: 10.1016/j.physbeh.2016.01.022

Day FR et al. Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. Nat Genet. 2015. DOI: 10.1038/ng.3412

Robino A, Bevilacqua L, Pirastu N, Situlin R, Di Lenarda R, Gasparini P, Navarra CO. Polymorphisms in sweet taste genes (TAS1R2 and GLUT2), sweet liking, and dental caries prevalence in an adult Italian population. Genes Nutr 2015. DOI: 10.1007/s12263-015-0485-z

Lunetta KL et al. Rare coding variants and X-linked loci associated with age at menarche. Nat Commun 2015. DOI: 10.1038/ncomms8756

Joshi PK et al. Directional dominance on stature and cognition in diverse human populations. Nature 2015. DOI: 10.1038/nature14618

Mezzavilla M, Ulivi S, Bianca ML, Carlino D, Gasparini P, Robino A. Analysis of functional variants reveals new candidate genes associated with alexithymia. Psychiatry Res 2015. DOI: 10.1016/j.psychres.2015.03.018

Pirastu N, Kooyman M, Traglia M, Robino A, Willems S, Pistis G, Amin N, Sala C, Karssen L, van Duijn C, Toniolo D, Gasparini P. Genome wide association analysis on 5 isolated populations identifies variants of the HLA-DQA gene associated with white wine liking. Eur J Hum Genet 2015. DOI: 10.1038/ejhg.2015.34

Locke AE et al. Genetic studies of body mass index yield new insights for obesity biology. Nature 2015. DOI: 10.1038/nature14177

Shungin D et al. New genetic loci link adipose and insulin biology to body fat distribution. Nature 2015. DOI: 10.1038/nature14132

Holliday EG et al. Polygenic overlap between kidney function and large artery atherosclerotic stroke. Stroke 2014. DOI: 10.1161/STROKEAHA.114.006609

Perry JR, et al. Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. Nature 2014. DOI: 10.1038/nature13545

Pirastu N, Kooyman M, Traglia M, Robino A, Willems SM, Pistis G, d'Adamo P, Amin N, d'Eustacchio A, Navarini L, Sala C, Karssen LC, van Duijn C, Toniolo D, Gasparini P. Association Analysis of Bitter Receptor Genes in Five Isolated Populations Identifies a Significant Correlation between TAS2R43 Variants and Coffee Liking. PLoS One 2014. DOI: 10.1371/journal.pone.0092065

Robino A, Mezzavilla M, Pirastu N, Dognini M, Tepper BJ, Gasparini P. A Population-Based Approach to Study the Impact of PROP Perception on Food Liking in Populations along the Silk Road. PLoS One 2014. DOI: 10.1371/journal.pone.0091716

Perry JR et al. DNA mismatch repair gene MSH6 implicated in determining age at natural menopause. Hum Mol Genet. 2014. DOI: 10.1093/hmg/ddt620

O'Seaghda CM et al. Meta-analysis of genome-wide association studies identifies six new Loci for serum calcium concentrations. PLoS Genet. 2013. DOI: 10.1371/journal.pgen.1003796

Parsa A et al. Common Variants in Mendelian Kidney Disease Genes and Their Association with Renal Function. J Am Soc Nephrol. 2013. DOI: 10.1681/ASN.2012100983

Paul DS et al. Maps of open chromatin highlight cell type-restricted patterns of regulatory sequence variation at hematological trait loci. Genome Res. 2013. DOI: 10.1101/gr.155127.113

van der Harst P et al. Seventy-five genetic loci influencing the human red blood cell. Nature. 2012. DOI: 10.1038/nature11677

Chasman DI et al. Integration of Genome-Wide Association Studies with Biological Knowledge Identifies Six Novel Genes Related to Kidney Function. Hum Mol Genet. 2012. DOI: 10.1093/hmg/ddz369

Pirastu N, Robino A, Lanza C, Athanasakis E, Esposito L, Tepper BJ, Gasparini P. Genetics of food preferences: a first view from Silk Road populations. Journal of Food Science. 2012. DOI: 10.1111/j.1750-3841.2012.02852

Boraska V et al. Genome-wide Meta-analysis of Common Variant Differences between Men and Women. Hum Mol Genet. 2012. DOI: 10.1093/hmg/ddz304

McQuillan R et al. Evidence of Inbreeding Depression on Human Height. PLoS Genet. 2012. DOI: 10.1371/journal.pgen.1002655

Pattaro C et al. Genome-wide association and functional follow-up reveals new Loci for kidney function. PLoS Genet. 2012. DOI: 10.1371/journal.pgen.1002584

MADRELINGUA

ITALIANO

ALTRE LINGUA

INGLESE

- Capacità di lettura
 - Capacità di scrittura
 - Capacità di espressione orale
- buono
buono
buono

CAPACITÀ E COMPETENZE
TECNICHE

Con computer, attrezzature specifiche,
macchinari, ecc.

Buone capacità di lavoro in ambiente Windows e Macintosh
Ottima conoscenza di microsoft office (word, excel, power point), internet e posta elettronica
Ottima conoscenza e utilizzo di tools scientifici e software biostatistici (Pubmed, BC-Platform, R, PLINK, GenABEL, MetABEL, ProbABEL, SKAT)

PATENTE O PATENTI

Patente di tipo B

19/07/2021