FORMATO EUROPEO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome	**NAPOLIONI VALERIO**
Indirizzo	
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ESPERIENZA LAVORATIVA

• *Date*	**2017-2020**
• *Nome e indirizzo del datore di lavoro*	Department of Neurology and Neurological Sciences *Stanford University School of Medicine,* 300 Pasteur Dr., Palo Alto, CA 94304, U.S.A.
• *Tipo di impiego*	Instructor of Neurology and Neurological Sciences/faculty member
• *Principali mansioni e responsabilità*	Ricerca ed insegnamento
• *Date*	**2015-2017**
• *Nome e indirizzo del datore di lavoro*	Department of Neurology and Neurological Sciences *Stanford University School of Medicine,* 300 Pasteur Dr., Palo Alto, CA 94304, U.S.A.
• *Tipo di impiego*	Post-doctoral Research Fellow
• *Principali mansioni e responsabilità*	Ricerca
• *Date*	**2014-2015**
• *Nome e indirizzo del datore di lavoro*	Dipartimento di Medicina Sperimentale *Università degli Studi di Perugia*, Scuola di Medicina, P.zza Gambuli, 1, Loc. S. Andrea delle Fratte, 06132, Perugia, Italia
• *Tipo di impiego*	Assegnista di Ricerca MED/04
• *Principali mansioni e responsabilità*	Studio integrato di metabolomica e genomica nelle infezioni e malattie fungine - Insegnamento
• *Date*	**2013-2014**
• *Nome e indirizzo del datore di lavoro*	*Polo di Innovazione Genetica, Genomica e Biologia* c/o Polo Unico di Medicina "Santa Maria della Misericordia", P.zza Gambuli, 1, Loc. S. Andrea delle Fratte, 06132, Perugia, Italia
• *Tipo di impiego*	Direttore Tecnico
• *Principali mansioni e responsabilità*	Ricerca, sviluppo e direzione attività sequenziamento

• *Date*	**2012-2013**
• *Nome e indirizzo del datore di lavoro*	Scuola di Bioscienze e Biotecnologie *Università degli Studi di Camerino*, Via A. D'Accorso, 16, 62032, Camerino MC, Italia
• *Tipo di impiego*	Docente a contratto BIO/18
• *Principali mansioni e responsabilità*	Didattica, corso di "General Genetics" (6 CFU), Corso di Laurea in Biosciences and Biotechnology (Classe L2-L13)
• *Date*	**2011-2012**
• *Nome e indirizzo del datore di lavoro*	Neurogenomics Division *The Translational Genomics Research Institute (TGen),* 445 N N 5th St, Phoenix, AZ 85004, U.S.A.
• *Tipo di impiego*	Adjunct Faculty Member / Visiting Scientist
• *Principali mansioni e responsabilità*	Ricerca
• *Date*	**2010-2011**
• *Nome e indirizzo del datore di lavoro*	Scuola di Bioscienze e Biotecnologie *Università degli Studi di Camerino*, Via A. D'Accorso 16, 62032 Camerino MC, Italia
• *Tipo di impiego*	Docente a contratto BIO/18
• *Principali mansioni e responsabilità*	Didattica, corso di "Epidemiology of Nutrition and Related Pathologies" (6 CFU), Corso di Laurea in Biosciences and Biotechnology (Classe LM-6)
• *Date*	**2010-2013**
• *Nome e indirizzo del datore di lavoro*	Laboratory of Molecular Psychiatry and Neurogenetics *Università Campus Bio-Medico*, Scuola di Medicina, Via Álvaro del Portillo 21, 00128, Roma, Italia Laboratory of Psychiatric Genetics Department of Experimental Neurosciences *IRCCS "Fondazione Santa Lucia"*, Roma, Italia.
• *Tipo di impiego*	Borsista di ricerca/Post-Doctoral Research Fellow
• *Principali mansioni e responsabilità*	Ricerca

ISTRUZIONE E FORMAZIONE

• *Date*	11/09/2019-11/09/2025
• *Nome e tipo di istituto di istruzione o formazione*	*Abilitazione Scientifica Nazionale - MIUR*
• *Qualifica conseguita*	Abilitazione Professore II fascia – 05/E2 –Biologia Molecolare
• *Date*	05/04/2018-05/04/2024
• *Nome e tipo di istituto di istruzione o formazione*	*Abilitazione Scientifica Nazionale - MIUR*
• *Qualifica conseguita*	Abilitazione Professore II fascia – 05/E3 – Biochimica Clinica e Biologia Molecolare Clinica
• *Date*	27/03/2018-27/03/2024
• *Nome e tipo di istituto di istruzione o formazione*	*Abilitazione Scientifica Nazionale - MIUR*
• *Qualifica conseguita*	Abilitazione Professore II fascia – 06/N1 – Scienze delle Professioni Sanitarie e delle Tecnologie Mediche Applicate
• *Date*	2008-2011
• *Nome e tipo di istituto di istruzione o formazione*	*Università degli Studi di Camerino*
• *Qualifica conseguita*	Dottore di ricerca in Biology (Genetics, BIO/18)
• *Votazione finale*	
• *Tesi*	*“Genetic determinants of Human Survival and Longevity: A cross-sectional association study in a population of Central Italy”*
• *Date*	2005-2007
• *Nome e tipo di istituto di istruzione o formazione*	*Università degli Studi di Camerino*
• *Qualifica conseguita*	Laurea magistrale in Scienze Biomolecolari e Biofunzionali (classe 6/M)
• *Votazione finale*	110/110 e lode
• *Tesi*	*“"Polimorfismo enzimatico del gene umano ACP1 ed interazione con la ZAP-70 chinasi: Possibili implicazioni biologiche”*
• *Date*	2002-2005
• *Nome e tipo di istituto di istruzione o formazione*	*Università degli Studi di Camerino*
• *Qualifica conseguita*	Laurea in Biologia
• *Votazione finale*	110/110 e lode
• *Tesi*	*“Tipizzazione rapida dei genotipi del gene umano ACP-1 in attesa della determinazione delle sue funzioni”*
• *Date*	1997-2002
• *Nome e tipo di istituto di istruzione o formazione*	*Liceo Scientifico “Giulio Cesare da Varano”, Camerino MC, Italia*
• *Qualifica conseguita*	Maturità scientifica
• *Votazione finale*	78/100

PUBBLICAZIONI

PEER-REVIEWED INTERNATIONAL JOURNALS

(First author/corresponding author 39 out of 73 publications; Scopus H-Index=20, Google Scholar H-Index=24, i10-Index=44)

1. De Rochemonteix M, **Napolioni V,** Sanyal N, Landi T, Greicius MD, Belloy ME, Caporaso NE, Chatterjee N, Han SS.
A likelihood ratio test for gene-environment interaction based on the trend effect of genotype under an additive risk model using the gene-environment independence assumption.
Under review – *Am J Epidemiol*

2. Scelsi MA, **Napolioni V**, Greicius MD, Altmann A, Alzheimer's Disease Neuroimaging Initiative (ADNI), Alzheimer's Disease Sequencing Project (ADSP)
Network propagation of rare mutations in Alzheimer's disease reveals tissue-specific hub genes and communities.
bioRxiv doi: https://doi.org/10.1101/781203 - Under review – *Plos Genet.*

3. Belloy ME*, **Napolioni V***, Le Guen Y, Han SS, Greicius MD, Alzheimer's Disease Neuroimaging Initiative.
Klotho-VS Heterozygosity Reduces Risk for Alzheimer's Disease in APOE4 Carriers.
Accepted, in press – *JAMA Neurol.* *Equally contributed

4. Klitgaard RE, Fedderke JW, **Napolioni V**.
Geography, Climate, and Genes in Development Studies
World Bank Econ Rev, 2019, lhz034, https://doi.org/10.1093/wber/lhz034

5. Fabbretti A, Capuni R, Giuliodori AM, Cimarelli L, Miano A, **Napolioni V,** La Teana A, Spurio R.
Characterization of the Self-Resistance Mechanism to Dityromycin in the Streptomyces Producer Strain.
mSphere. 2019; 4:5.

6. **Napolioni V,** Cimarelli L, Miano A, La Teana A, Capuni R, Giuliodori AM, Fabbretti A, Spurio R.
Draft Genome Sequence of Streptomyces sp. Strain AM-2504, Identified by 16S rRNA Comparative Analysis as a Streptomyces kasugaensis Strain.
Microbiol Resour Announc. 2019; 8:38.

7. **Napolioni V,** Pariano M, Borghi M, Oikonomou V, Galosi C, De Luca A, Stincardini C, Vacca C, Renga G, Lucidi V, Colombo C, Fiscarelli E, Lass-Flörl C, Carotti A, D'Amico L, Majo F, Russo MC, Ellemunter H, Spolzino A, Mosci P, Brancorsini S, Aversa F, Velardi A, Romani L, Costantini C.
Genetic Polymorphisms Affecting IDO1 or IDO2 Activity Differently Associate With Aspergillosis in Humans.
Front Immunol. 2019; 10:890.

8. Belloy ME, **Napolioni V,** Greicius MD.
A Quarter Century of APOE and Alzheimer's Disease: Progress to Date and the Path Forward.
Neuron. 2019; 101:820-838.

9. Dagostino C, Allegri M, **Napolioni V**, D'Agnelli S, Bignami E, Mutti A, van Schaik RH.
CYP2D6 genotype can help to predict effectiveness and safety during opioid treatment for chronic low back pain: results from a retrospective study in an Italian cohort.
Pharmgenomics Pers Med. 2018; 11:179-191.

10. Tsai PI, Lin CH, Hsieh CH, Papakyrikos AM, Kim MJ, **Napolioni V**, Schoor C, Couthouis J, Wu RM, Wszolek ZK, Winter D, Greicius MD, Ross OA, Wang X.
PINK1 Phosphorylates MIC60/Mitofilin to Control Structural Plasticity of Mitochondrial Crista Junctions
Mol Cell. 2018; 69:744-756.

11. Christopher L, **Napolioni V**, Khan RR, Han SS, Greicius MD; Alzheimer's Disease Neuroimaging Initiative.
A variant in PPP4R3A protects against Alzheimer-related metabolic decline.
Ann Neurol. 2017; 82:900-911

12. Sadaghiani S, Ng B, Altmann A, Poline JB, Banaschewski T, Bokde ALW, Bromberg U, Büchel C, Burke Quinlan E, Conrod P, Desrivières S, Flor H, Frouin V, Garavan H, Gowland P, Gallinat J, Heinz A, Ittermann B, Martinot JL, Paillère Martinot ML, Lemaitre H, Nees F, Papadopoulos Orfanos D, Paus T, Poustka L, Millenet S, Fröhner JH, Smolka MN, Walter H, Whelan R, Schumann G, **Napolioni V**, Greicius M.
Overdominant effect of a *CHRNA4* polymorphism on cingulo-opercular network activity and cognitive control.
J Neurosci. 2017; 37:9657-9666

13. Fedderke JW, Klitgaard RE, **Napolioni V**.
Genetic adaptation to historical pathogens burdens.
Infect Genet Evol. 2017; 54:299-307.

14. Bordoni L, **Napolioni V**, Marchegiani F, Amadio F, Gabbianelli R.
Angiotensin-Converting Enzyme Ins/Del Polymorphism and Body Composition: The Intermediary Role of Hydration Status.
J Nutrigenet Nutrigenomics. 2017; 10:1-8.

15. Bordoni L, Marchegiani F, Piangerelli M, **Napolioni V**, Gabbianelli R.
Obesity-related genetic polymorphisms and adiposity indices in a young Italian population.
IUBMB Life. 2017; 69:98-105

16. Moretti S, Renga G, Oikonomou V, Galosi C, Pariano M, Iannitti R, Borghi M, Puccetti M, De Zuani M, Pucillo C, Paolicelli G, Zelante T, Renauld JC, Bereshchenko O, Sportoletti P, Lucidi V, Russo M, Colombo C, Fiscarelli E, Lass-Flörl C, Majo F, Ricciotti G, Ellemunter H, Ratclif L, Talesa VN, **Napolioni V**, Romani L.
A mast cell-ILC2-Th9 pathway promotes lung inflammation in cystic fibrosis.
Nat Commun. 2017; 8: 14017

17. Oikonomou V, Moretti S, Renga G, Galosi C, Borghi M, Pariano M, Puccetti M, Palmerini CA, Amico L, Carotti A, Prezioso L, Spolzino A, Finocchi A, Rossi P, Velardi A, Aversa F, **Napolioni V**, Romani L.
Noncanonical Fungal Autophagy Inhibits Inflammation in Response to IFN-γ via DAPK1.
Cell Host Microbe. 2016; 20:744-757

18. Lodder EM, De Nittis P, Koopman CD, Wiszniewski WK, Moura de Souza CF, Lahrouchi N, Guex N, **Napolioni V**, Tessadori F, de Boer T, Beekman L, Nannenberg EA, Boualla L, Blom NA, de Graaff W, Kamermans M, Cocciadiferro D, Malerba N, Mandriani B, Coban-Akdemi ZH, Fish RJ, Eldomery MK, Ratbi I, Wilde AA, Simonds WF, Neerman-Arbez M, Sutton VR. Kok F, Lupski JR, Reymond A, Bezzina CR, Bakkers J, Merla G.
GNB5 mutations cause a novel multisystem syndrome associated with sinus bradycardia and cognitive disability.
Am J Hum Genet. 2016; 99:704-10.

19. Gudelj I, Baciarello M, Ugrina I, De Gregori M, **Napolioni V**, Ingelmo PM, Bugada D, De Gregori S, Đerek L, Pučić-Baković M, Novokmet M, Gornik O, Saccani Jotti G, Meschi T, Lauc G, Allegri M.
Changes in total plasma and serum N-glycome composition and patient-controlled analgesia after major abdominal surgery.
Sci Rep. 2016; 6:31234.

20. Iannitti RG, **Napolioni V**, Oikonomou V, De Luca A, Galosi C, Pariano M, Massi-Benedetti C, Borghi M, Puccetti M, Lucidi V, Colombo C, Fiscarelli E, Lass-Flörl C, Majo F, Cariani L, Russo M, Porcaro L, Ricciotti G, Ellemunter H, Ratclif L, De Benedictis FM, Talesa VN, Dinarello CA, van de Veerdonk FL, Romani L.
IL-1 receptor antagonist ameliorates inflammasome-dependent inflammation in murine and human Cystic Fibrosis.
Nat Commun. 2016; 7:10791.

21. De Gregori M, Diatchenko L, Ingelmo PM, **Napolioni V**, Klepstad P, Belfer I, Molinaro V,Garbin G; Ranzani GN, Alberio G, Normanno M, Lovisari F, Somaini M, Govoni S, Mura E, Bugada D, Niebel T, Zorzetto M, De Gregori S, Molinaro M, Fanelli G, Allegri M.
Human Genetic Variability Contributes to Post-operative Morphine Consumption.
J Pain. 2016; 17:628-636.

22. Drumo R, Pesciaroli M, Ruggeri J, Tarantino M, Chirullo B, Pistoia C, Petrucci P, Martinelli N, Moscati L, Manuali E, Pavone S, Picciolini M, Ammendola S, Gabai G, Battistoni A, Pezzotti G, Alborali GL, **Napolioni V**, Pasquali P, Magistrali CF.
Salmonella enterica Serovar Typhimurium Exploits Inflammation to Modify Swine Intestinal Microbiota.
Front Cell Infect Microbiol. 2016; 5:106.

23. **Napolioni V**.
Reply to Larcombe and Orr: Still seeing the big picture.
Brain Behav Immun. 2015. pii: S0889-1591(15)00476-6.

24. **Napolioni V**, Comings DE.
Beyond the lack of association between IFNG +874T>A polymorphism and personality traits in healthy Japanese subjects: Possible ethnic-specific effects.
Brain Behav Immun. 2016; 51:270-271.

25. **Napolioni V**, MacMurray J.
Infectious diseases, IL6 -174G>C polymorphism, and human development.
Brain Behav Immun. 2016; 51:196-203.

26. Dritsou V, Topalis P, Windbichler N, Simoni A, Hall A, Lawson D, Hinsley M, Hughes D, **Napolioni V**, Crucianelli F, Deligianni E, Gasperi G, Gomulski LM, Savini G, Manni M, Scolari F, Malacrida AR, Arcà B, Ribeiro JM, Lombardo F, Saccone G, Salvemini M, Moretti R, Aprea G, Calvitti M, Picciolini M, Papathanos PA, Spaccapelo R, Favia G, Crisanti A, Louis C.
A draft genome sequence of an invasive mosquito: an Italian Aedes albopictus.
Pathog Glob Health. 2015; 109:207-220.

27. Prontera P, Micale L, Verrotti A, **Napolioni V**, Stangoni G, Merla G.
A New Homozygous IGF1R Variant Defines a Clinically Recognizable Incomplete Dominant form of SHORT Syndrome.
Hum Mutat. 2015; 36:1043-1047.

28. Moretti S, Bartolommei L, Galosi C, Renga G, Oikonomou V, Zamparini F, Ricci G, Borghi M, Puccetti M, Piobbico D, Eramo S, Conti C, Lomurno G, Bartoli A, **Napolioni V**, Romani L.
Fine-tuning of Th17 Cytokines in Periodontal Disease by IL-10.
J Dent Res. 2015; 94:1267-1275.

29. Hadi F, Dato S, Carpi FM, Prontera P, Crucianelli F, Renda F, Passarino G, **Napolioni V**.
A genetic-demographic approach reveals a gender-specific association of *SLC6A3*/*DAT1* 40bp-VNTR with life-expectancy.
Biogerontology. 2015; 16:365-373.

30. Romani L, Zelante T, Palmieri M, **Napolioni V**, Picciolini M, Velardi A, Aversa F, Puccetti P.
The cross-talk between opportunistic fungi and the mammalian host via microbiota's metabolism.
Semin Immunopathol. 2015; 37:163-171.

31. Concetti F, Carpi FM, Nabissi M, Picciolini M, Santoni G, **Napolioni V**.
The functional polymorphism rs73598374:G>A (p.Asp8Asn) of the *ADA* gene associates with telomerase activity and leukocyte telomere length.
Eur J Hum Genet. 2015; 23:267-270.

32. Gabriele S, Lombardi F, Sacco R, **Napolioni V**, Altieri L, Tirindelli MC, Gregorj C, Bravaccio C, Rousseau F, Persico AM.
The *GLO1* C332 (Ala111) allele confers autism vulnerability: family-based genetic association and functional correlates.
J Psychiatr Res. 2014; 59:108-116.

33. **Napolioni V**, Serone E, Iacoacci V, Carpi FM, Giambra V, Frezza D.
Polymorphism of Ig heavy chain HS1.2 enhancer associates with human longevity and interacts with *TNF-α* promoter diplotype in a population of Central Italy.
Gene. 2014; 551:201-205.

34. **Napolioni V.**
The relevance of checking population allele frequencies and Hardy-Weinberg equilibrium in genetic association studies: the case of *SLC6A4* 5-HTTLPR polymorphism in a Chinese Han Irritable Bowel Syndrome association study.
Immunol Lett. 2014; 162:276-278.

35. Prontera P, **Napolioni V**, Ottaviani V, Rogaia D, Fusco C, Augello B, Serino D, Parisi V, Bernardini L, Merla G, Cavanna A, Donti E.
DPP6 disruption in a family with Gilles de la Tourette syndrome.
Neurogenetics. 2014; 15:237-242

36. **Napolioni V**, Murray DR, Comings DE, Peters WR, Gade-Andavolu R, MacMurray J.
Interaction between infectious diseases and personality traits: *ACP1**C as a potential mediator.
Infect Genet Evol. 2014; 26:267-273.

37. Femminella M, Reali G, Valocchi D, Nunzi E, **Napolioni V**, Picciolini M.
The ARES Project: Cloud Services for Medical Genomics.
IEEE 3rd Symposium on Network Cloud Computing and Applications (NCCA) 2014, 15-24.

38. Prontera P, Serino D, Caldini B, Scarponi L, Merla G, Testa G, Muti M, **Napolioni V**, Mazzotta G, Piccirilli M, Donti E.
Functional fMRI of a patient with 7q11.23 duplication syndrome and autism spectrum disorder.
J Autism Dev Disord. 2014; 44:2608-2613.

39. Piras IS, Haapanen L, **Napolioni V**, Sacco R, Van de Water J, Persico AM.
Anti-brain antibodies are associated with more severe cognitive and behavioral profiles in Italian children with Autism Spectrum Disorder.
Brain Behav Immun. 2014; 38:91-99.

40. MacMurray J, Comings DE, **Napolioni V**.
The gene-immune-behavioral pathway: Gamma-interferon (IFN-γ) simultaneously coordinates susceptibility to infectious disease and harm avoidance behaviors.
Brain Behav Immun. 2014; 35:169-75

41. Persico AM, **Napolioni V**.
Autism Genetics.
Behav Brain Res. 2013; 251:95-112.

42. Carpi FM, Vincenzetti S, Ubaldi J, Pucciarelli S, Polzonetti V, Micozzi D, Mignini F, **Napolioni V**.
CDA gene polymorphisms and enzyme activity: genotype-phenotype relationship in an Italian-Caucasian population.
Pharmacogenomics. 2013; 14:769-781.

43. Concetti F, Lucarini N, Carpi FM, Di Pietro F, Dato S, Capitani M, Nabissi M, Santoni G, Mignini F, Passarino G, **Napolioni V**.
The functional VNTR MNS16A of TERT gene is associated with human longevity in a population of Central Italy.
Exp Gerontol. 2013; 48:587-592.

44. **Napolioni V**, Ober-Reynolds B, Szelinger S, Corneveaux JJ, Pawlowski T, Ober-Reynolds S, Kirwan J, Persico AM, Melmed RD, Craig DW, Smith CJ, Huentelman MJ.
Plasma Cytokine Profiling in Sibling Pairs Discordant for Autism Spectrum Disorder.
J Neuroinflammation. 2013; 10:38.

45. Di Pietro F, Dato S, Carpi FM, Corneveaux JJ, Serfaustini S, Maoloni S, Mignini F, Huentelman MJ, Passarino G, **Napolioni V.**
TP53*P72 Allele Influences Negatively Female Life Expectancy in a Population of Central Italy: Cross-Sectional Study and Genetic-Demographic Approach Analysis.
J Gerontol A Biol Sci Med Sci. 2013; 68:539-545.

46. Persico AM, **Napolioni V**.
Urinary p-cresol in autism spectrum disorder.
Neurotoxicol Teratol. 2013; 36:82-90.

47. Pucciarelli S, Moreschini B, Micozzi D, De Fronzo GS, Carpi FM, Polzonetti V, Vincenzetti S, Mignini F, **Napolioni V**.
Spermidine and spermine are enriched in whole-blood of nona/centenarians.
Rejuvenation Res. 2012; 15:590-595.

48. Lucarini N*, **Napolioni V***, Magrini A, Gloria F.
The Effect of ACP1-ADA1 Genetic Interaction on Human Life Span.
Hum Biol. 2012; 84:725-733. **Equally contributed*

49. Mignini F, **Napolioni V**, Codazzo C, Carpi FM, Vitali M, Romeo M, Ceccanti M.
DRD2/ANKK1 TaqIA and SLC6A3 VNTR polymorphisms in alcohol dependence: Association and gene-gene interaction study in a population of Central Italy.
Neurosci Lett. 2012; 522:103-107.

50. Polzonetti V, Carpi FM, Micozzi D, Pucciarelli S, Vincenzetti S, **Napolioni V**.
Population variability in CD38 activity: correlation with age and significant effect of TNF-α -308G>A and CD38 184C>G SNPs.
Mol Genet Metab. 2012; 105:502-507.

51. Mignini F, Capacchietti M, **Napolioni V**, Reggiardo G, Fasani R, Ferrari P.
Single dose bioavailability and pharmacokinetic study of a innovative formulation of α-lipoic acid (ALA600) in healthy volunteers.
Minerva Med. 2011; 102:475-482

52. Totaro MC, Tolusso B, **Napolioni V**, Faustini F, Canestri S, Mannocci A, Gremese E, Bosello SL, Alivernini S, Ferraccioli G.
PTPN22 1858C>T Polymorphism Distribution In Europe And Association With Rheumatoid Arthritis: Case-Control Study And Meta-Analysis.
PLoS One. 2011; 6:e24292.

53. Carpi FM, Xu J, Vincenzetti S, Vita A, Cai WM, **Napolioni V**.
Rapid Allele-Specific PCR method for CDA 79A>C (K27Q) genotyping: A useful pharmacogenetic tool and world-wide polymorphism distribution.
Clin Chim Acta. 2011; 412:2237-2240.

54. **Napolioni V**, Carpi FM, Giannì P, Sacco R, Di Blasio L, Mignini F, Lucarini N, Persico AM.
Age- and gender-specific epistasis between ADA and TNF-α influences human life-expectancy.
Cytokine. 2011; 56:481-488.

55. **Napolioni V**, Giannì P, Carpi FM, Predazzi IM, Lucarini N.
APOE haplotypes are associated with human longevity in a Central Italy population: Evidence for epistasis with HP 1/2 polymorphism.
Clin Chim Acta. 2011; 412:1821-1824.

56. **Napolioni V**, Persico AM, Porcelli V, Palmieri L.
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Mol Neurobiol. 2011; 44:83-92.

57. Carpi FM, Di Pietro F, Vincenzetti S, Mignini F, **Napolioni V.**
Human DNA extraction methods: patents and applications.
Recent Pat DNA Gene Seq. 2011; 5:1-7.

58. **Napolioni V.**
Regarding "Haptoglobin 2-1 phenotype predicts rapid growth of abdominal aortic aneurysms".
J Vasc Surg. 2011; 53:266-267.

59. **Napolioni V**, Giannì P, Carpi FM, Concetti F, Lucarini N.
Haptoglobin (HP) polymorphisms and human longevity: A cross-sectional association study in a Central Italy population.
Clin Chim Acta. 2011; 412:574–577.

60. **Napolioni V**, Natali A, Saccucci P, Lucarini N.
PTPN22 1858C>T (R620W) functional polymorphism and human longevity.
Mol Biol Rep. 2011; 38:4231-4235.

61. **Napolioni V**, Lombardi F, Sacco R, Curatolo P, Manzi B, Alessandrelli R, Militerni R, Bravaccio C, Lenti C, Saccani M, Schneider C, Melmed R, Pascucci T, Puglisi-Allegra S, Reichelt KL, Rousseau F, Lewin P, Persico AM.
Family-based association study of ITGB3 in autism spectrum disorder and its endophenotypes.
Eur J Hum Genet. 2011; 19:353-359.

62. Di Pietro F, Ortenzi F, Tilio M, Concetti F, **Napolioni V**.
Genomic DNA extraction from whole blood stored from 15- to 30-years at -20 °C by rapid phenol-chloroform protocol: A useful tool for genetic epidemiology studies.
Mol Cell Probes. 2011; 25:44-48.

63. Concetti F, **Napolioni V**.
Insights into the role of Fc gamma receptors (FcgammaRs) genetic variations in monoclonal antibody-based anti-cancer therapy.
Recent Pat Anticancer Drug Discov. 2010; 5:197-204.

64. **Napolioni V**, Predazzi IM.
Age- and gender-specific association between ADA (22G>A) and TNF-α (-308G>A) genetic polymorphisms.
Tissue Antigens. 2010; 76:311-314.

65. **Napolioni V**.
ADA (22G>A) polymorphism: a possible genetic marker for predictive medicine of human reproduction?
Metabolism. 2010; 59:e9-e10.

66. Curatolo P, **Napolioni V**, Moavero R.
Autism spectrum disorders in tuberous sclerosis: pathogenetic pathways and implications for treatment.
J Child Neurol. 2010; 25:873-880.

67. **Napolioni V**, Lucarini N.
Gender-specific association of ADA genetic polymorphism with human longevity.
Biogerontology. 2010; 11:457-462.

68. Carpi FM, Vincenzetti S, Micozzi D, Vita A, **Napolioni V**.
PCR-based methods for CDA K27Q and A70T genotyping: genotypes and alleles distribution in a central Italy population.
Mol Biol Rep. 2010; 37:3363-3368.

69. **Napolioni V**.
Recent patents on epilepsy genetics.
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71. **Napolioni V**, Barucca A, Bolli E, Concetti A, Venanzi FM.
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72. **Napolioni V**, Curatolo P.
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73. Lucarini N, Verrotti A, **Napolioni V**, Bosco G, Curatolo P.
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BOOK CHAPTERS

1. Nabissi M, Morelli MB, Amantini C, Liberati S, **Napolioni V**, Santoni M, Farfariello V, Cardinali C, Santoni G.
Potential Roles of Cannabinoids in Cell Therapy for CNS.
Frontiers in Clinical Drug Research - CNS and Neurological Disorders, Vol. 3, 2015*,* 19-40

2. Persico AM, **Napolioni V**.
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In: *The Comprehensive Guide to Autism*. Vinood B. Patel; Victor R. Preedy; Colin R. Martin (Eds.), Springer 2014, ISBN: 978-1461447870.

3. Concetti F, **Napolioni V**.
Insights into the role of Fc gamma receptors (FcgammaRs) genetic variations in monoclonal antibody-based anti-cancer therapy.
In: *Topics in Anti-Cancer Research*. (Vol.2) Pp. 257-278. Atta-ur Rahman and Khurshid Zaman (Eds), Bentham Science Publishers 2013, ISBN: 978-1-60805-139-7.

4. **Napolioni V**.
Role of haptoglobin in abdominal aortic aneurysm.
In: *Inflammatory Response in Cardiovascular Surgery*. Pp. 51-55. Gabriel, Edmo Atique; Gabriel, Sthefano (Eds.), Springer-Verlag London 2013, ISBN 978-1-4471-4428-1.

CONFERENCES ABSTRACTS (2018-2019)

1. Gorman B, Ji SG, Igo Jr. RP, Shi Y, Sendamarai A, Assimes TL, **Napolioni V**, Tsao PS, Peachey NS, Iyengar SK, Pyarajan S, The Million Veteran Program.
Genetic determinants of mosaic loss of the Y chromosome and their impact on age-related disease in the VA's Million Veteran Program.
American Society of Human Genetics (ASHG), 2019, Houston, TX, USA.

2. Tcheandjieu C, **Napolioni V**, Hilliard A, O'Donnell C, Tsao PS, Assimes TL.
X-chromosome wide association study (XWAS) reveals new Coronary Artery Diseases susceptibility loci in ~ 800,000 individuals.
Million Veteran Project Science Meeting, 2019, Washington, DC, USA.

3. Belloy ME, **Napolioni V**, Le Guen Y, Kim Y, Greicius MD.
APOE4-stratified genome-wide association study of Late-Onset Alzheimer's Disease in Northwestern Europeans reveals novel suggestive protective loci.
Alzheimer's Association International Conference (AAIC), 2019, Los Angeles, CA, USA.

4. Bickart K, **Napolioni V**, Kim Y, Khan RR, Richiardi J, Altmann A, Greicius MD, IMAGEN Consortium.
   A novel SNP affecting CSMD1 increases intrinsic amygdala connectivity and prosocial behavior.
   Organization for Human Brain Mapping (OHBM), 2019, Rome, Italy.

5. Deters KD, **Napolioni V**, Greicius MD, Mormino EC.
   African ancestry moderates the effect of APOE-e4 on cognitive decline.
   Society for Neuroscience (SfN), 2018, San Diego, CA, USA.

6. Zhang L, Deters KD, **Napolioni V**, Greicius MD, Mormino EC.
   High vascular risk is associated with memory decline in APOE4 carriers with high African ancestry.
   Alzheimer's Association International Conference (AAIC), 2019, Los Angeles, CA, USA.

7. **Napolioni V**, Khan RR, Greicius MD.
   Consanguinity is associated with increased risk of Late-Onset Alzheimer's Disease.
   Alzheimer's Association International Conference (AAIC), 2018, Chicago, IL, USA.

8. Christopher L, Tam G, **Napolioni V**, Kim Y, Greicius MD.
   X-chromosome gene MTM1 is implicated in brain beta-amyloid accumulation
   Alzheimer's Association International Conference (AAIC), 2018, Chicago, IL, USA.

9. Deters KD, **Napolioni V**, Greicius MD, Mormino EC.
   African ancestry moderates the effect of APOE-e4 on cognitive decline.
   Alzheimer's Association International Conference (AAIC), 2018, Chicago, IL, USA.

10. Khan RR, Altmann A, **Napolioni V**, Kim Y, Guerreiro R, Bras JT, Carmona S, Pereira M, Santana I, Hardy J, Mead S, Cruchaga C, Fernandez MV, Holstege H, Van der Flier WM, Hulsman M, Van der Lee SJ, Chen Y, Bis JC, Launer LJ, van Dujin CM, Naj AC, Schellenberg GD, Coppola G, Chen JA, Seshadri S, Cochran JN, Myers R, Geiger EG, Yokohama JS, Rabinovici GD, Miller BL, Kramer JH, Karydas AM, Brookes KJ, Guetta-Baranes T, Turton J, Chaudhury SR, Morgan K, Han S, Greicius MD, ADGC, and CHARGE.
    Stop-gain variant in microglia-expressed gene GMIP is associated with Early-Onset Alzheimer's Disease.
    Alzheimer's Association International Conference (AAIC), 2018, Chicago, IL, USA.

11. Deters KD, **Napolioni V**, Han S, Greicius MD, Mormino EC.
    The effect of APOE4 and ABCA7 on cognitive decline in participants with African and European ancestry.
    Stanford University School of Medicine Neuroscience Forum, 2018, Stanford, CA, USA.

12. Kim Y, Khan RR, Kim LH, Couthouis J, Gitler AD, Channappa D, Plowey ED, **Napolioni V**, Greicius MD.
    Rare missense variants on ZNF679 and CTD-3214H19.16 segregate in a family with a history of synucleinopathy.
    Alzheimer's Association International Conference (AAIC), 2018, Chicago, IL, USA.

CAPACITÀ E COMPETENZE PERSONALI

MENTORING/RESEARCH/THESIS SUPERVISOR

2019-present	Silvia Russo, M.D. (Neurology Resident, Stanford University, USA)
2018-present	Michael E. Belloy, Ph.D. (Post-doctoral Research fellow, Stanford University, USA)
2018-present	Yann Le Guen, Ph.D. (Post-doctoral Research fellow, Stanford University, USA)
2016-present	Kacie D. Deters, Ph.D. (Post-doctoral Research fellow, Stanford University, USA)
2017-2019	Yongha Kim, B.Sc. (now MD Student, Columbia University, USA
2017-2019	Grace Kyin-Ye Tam, B.Sc. (now Clinical Research Coordinator, Stanford University, USA)
2015-2017	Leigh M. Christopher, Ph.D. (Post-doctoral Research fellow, Stanford University, USA)
2015-2017	Raiyan R. Khan, B.Sc. (now PhD Fellow, Columbia University, USA)
2016-2017	Megan Newsom, M.Sc. (now MD Student, Wake Forest University, USA)
2016-2016	Arielle Keller, B.Sc. (now PhD Fellow, Stanford University, USA)
2013-2014	Fazal Hadi, B.Sc. (now Gates Cambridge PhD Student, Cambridge University, UK)
2009-2010	Benedetta Moreschini, B.Sc. (now PhD Student, University of Camerino, Italy)
2009-2010	Fabio Concetti, Ph.D. (now Assegnista di Ricerca MED/38, University of Florence, Italy)
2009-2010	Luca Di Blasio, M.Sc. (now Clinical Trial Monitor at Clioss, Italy)
2009-2010	Martina Tilio, M.Sc. (now PhD Student, University of Camerino, Italy)
2008-2009	Annalia Natali, B.Sc. (now CQ-Chemical analyst at Pfizer Pharmaceuticals, Italy)

AFFILIAZIONI PROFESSIONALI

2015-present	*BMC Medical Genetics*, Editorial Board, Associate Editor
2019-present	*Advances in Geriatric Medicine and Research*, Editorial Board, Member
2018-present	*Diseases*, Editorial Board, Member
2017-2018	*Genetics and Molecular Research*, Editorial Board, Member
2016-2018	The Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART), Member
2015-2018	American Society of Human Genetics (ASHG), Member
2009-2018	European Society of Human Genetics (ESHG), Member
2010-2012	Italian Society for Autism Research and Training (ISART), Member

AD-HOC REVIEWER

- *Aging (Albany NY)*
- *Aging Cell*
- *Annals of Human Biology*
- *Annals of Human Genetics*
- *Andrologia*
- *BMC Blood Disorders*
- *BMC Genomics*

- *BMC Medical Genetics*
- *Brain Behavior and Immunity*
- *Cancer Epidemiology, Biomarkers & Prevention*
- *Cancer Research*
- *Clinical Genetics*
- *Cytokine*
- *DNA and Cell Biology*
- *Digestive Diseases and Sciences*
- *Experimental Gerontology*
- *General Hospital Psychiatry*
- *Human Genetics*
- *International Journal of Developmental Neuroscience*
- *Journal of Clinical Oncology*
- *Journal of Medical Genetics*
- *Medicine (Baltimore)*
- *Metabolism*
- *Methods in Molecular Biology*
- *Molecular Autism*
- *Molecular Biology Reports*
- *Molecular Neurobiology*
- *Neurobiology of Aging*
- *Nutrition Research*
- *Oncotarget*
- *Personalized Medicine*
- *Pharmacogenomics*
- *PloS One*
- *Progress in Neuro-psychopharmacology & Biological Psychiatry*
- *Psychiatry Research*
- *Psychoneuroendocrinology*
- *Rejuvenation Research*
- *Research in Autism Spectrum Disorders (RASD)*
- *Scientific Reports*
- *Scientifica*

VALUTATORE

- Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2010-2014, Phase I

- Vidi Talent Programme 2019-2020 (NWO/ZonMw), Netherlands Organization for Scientific Research (NWO/ZonMw)

RESEARCH SUPPORT

2019 Taube Neurodegeneration Award (PI: Van-Haren K; Co-investigator: Napolioni)
“Elucidating metabolic factors underpinning neurologic vulnerability and resilience across the lifespan”

The current study will aim to A) Assessing late-life Alzheimer’s risk from heterozygous mutations in lysosomal genes associated with early-life neurodegeneration and B) Employing mendelian randomization to understand the effect of lifelong vitamin D exposure on cognitive achievement

Funding: $50,000

NIH 1R01 AG060747-01 (PI: Greicius; Co-investigator: Napolioni)
09/15/18–5/31/2023
“The Stanford Extreme Phenotypes in Alzheimer’s Disease (StEP AD) Cohort”

The current study will aim to 1) identify rare genetic variants that protect cognitively normal, older APOE4 carriers from AD and 2) identify rare genetic variants that cause early-onset AD in people under 65 who do not carry the APOE4 gene.

Funding: $4,000,000

Stanford WHSDM Seed Grant Award (PI: Napolioni)
01/01/2018-01/01/2019
"X-ploring the sex specific genetic architecture of Late Onset Alzheimer's Disease"

Several disparate sources of evidence suggest the involvement of X chromosome genes in LOAD. We aim to perform the first comprehensive X-chromosome Wide Association Study of LOAD and to functionally characterize the candidate genes harboring the variants showing the most significant association with LOAD risk.

Funding: $45,000

McKnight Endowment Fund for Neuroscience (PI: Greicius; Co-investigator: Napolioni)
2/1/15/-1/31/18
"Elucidating the Interaction between Sex and APOE on Alzheimer's Disease Risk"

The main goal of this grant is to find genetic and hormonal factors that account for differential APOE4-related Alzheimer's risk in women compared to men.

Funding: $200,000

PRESENTAZIONI AD INVITO

WhY X? SeXY Chromosomes: Sex Differences in Genetics
Women and Sex Differences in Medicine Center and the Department of Genetics, Stanford University, Stanford, USA, February 2018
"Chromosome X-Wide Association Studies (XWAS): Results from XWAS of Alzheimer's Disease"

Alzheimer's Association International Conference (AAIC)
London, UK, July 2017
"Chromosome X-Wide Association Study Identifies a New Locus for Late Onset Alzheimer's Disease on Xq25 "

Bridging Clinical and Basic Sciences - Neurodegeneration
Stanford University, Stanford, USA, November 2016
"Heterozygote Advantage at the *SAMSN1* Locus in Alzheimer's Disease"

International Child Neurology Association (ICNA) - Satellite Symposium "Is autism a treatable disorder?"
Rome, Italy, April 2016
"mTOR pathway and Autism Spectrum Disorder"

Italian Society of Clinical Biochemistry and Clinical Molecular Biology National Congress,
Rome, Italy October 2014
"Studies on molecular biomarkers for Autism"

European Summer School on Nutrigenomics
University of Camerino, Camerino, Italy, September 2014
"Gene-diet-disease interactions & Personalized Medicine"

LIAMA Workshop on French-Chinese Collaboration in Computer Science Research
Paris, France, May 2014
"Insights into Asian-European genotype-phenotype differences utilizing a global database"

Next Generation Sequencing: New perspectives in research
Istituto Zooprofilattico Sperimentale Umbria e Marche, Perugia, Italy, April, 2014
"Next Generation Sequencing and its applications"

New Therapeutical Strategies in The Management of Patients with Epilepsy.
University of Perugia, Perugia, Italy, November 2013
"Next-Generation Sequencing approaches in the etiological diagnosis of epilepsies"

Predictive Medicine and Genomics: Towards a Personalized Medicine.
Politecnical University of Marche, Ancona, Italy, December 2009
"Advanced technologies in molecular diagnostics: the example of pharmacogenomics"

MEDIA COVERAGE

"*Extrovert may have stronger immune system*" New Scientist, 21 Jan. 2015. (https://www.newscientist.com/article/mg22530054-000-extroverts-may-have-stronger-immune-systems/)

CONFERENCE AND WORKSHOP ORGANIZATION

International Child Neurology Association (ICNA) Satellite Symposium "Is autism a treatable disorder?"
2016, Rome, Italy

European Summer School on Nutrigenomics
2014, Camerino, Italy

MADRELINGUA **ITALIANO**

ALTRE LINGUA

INGLESE

• *Capacità di lettura*	ECCELLENTE
• *Capacità di scrittura*	ECCELLENTE
• *Capacità di espressione orale*	ECCELLENTE

PATENTE O PATENTI B

Il sottoscritto Valerio Napolioni dichiara che tutti i fatti riportati nel presente curriculum corrispondono a verità ai sensi e per gli effetti degli artt. 46 e 47 del D.P.R. 445/2000.
Il sottoscritto dichiara di essere a conoscenza delle sanzioni penali cui incorre in caso di dichiarazione mendace o contenente dati non più rispondenti a verità, come previsto dall'art. 76 del D.P.R. 28.12.2000, n. 445.
Il sottoscritto dichiara di essere a conoscenza dell'art. 75 del D.P.R. 28.12.2000, n. 445, relativo alla decadenza dai benefici eventualmente conseguenti al provvedimento emanato, qualora l'Amministrazione, a seguito di controllo, riscontri la non veridicità del contenuto della suddetta dichiarazione.
Si allega a tale scopo copia del documento di identità in corso di validità

Camerino, 20/12/2019