

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, commi 1 e 4, della Legge n. 240/2010 per il settore concorsuale 05/E3 - Biochimica Clinica e Biologia Molecolare Clinica , (settore scientifico-disciplinare BIO/12 -Biochimica Clinica e Biologia Molecolare Clinica) presso il Dipartimento di Scienze Biomediche e Cliniche "L. Sacco", (avviso bando pubblicato sulla G.U. n. \_\_\_\_14\_\_\_\_ del \_\_\_\_19-2-2019\_\_\_\_) - Codice concorso 4019

## Valerio Napolioni

### CURRICULUM VITAE

#### INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	NAPOLIONI
NOME	VALERIO
DATA DI NASCITA	[10, Febbraio, 1983]

#### Education

Ph.D. in Biology (BIO18/Genetics)  
University of Camerino - Italy, 2011

Master Degree in Biomolecular and Biofunctional Sciences with full marks (110/110) and honors ("magna cum laude")  
University of Camerino - Italy, 2007

Bachelor's Degree in Biology with full marks (110/110) and honors ("magna cum laude")  
University of Camerino - Italy, 2005

#### Positions

##### Faculty

**2017-present** Functional Imaging in Neuropsychiatric Disorder (FIND) Lab,  
Department of Neurology & Neurological Sciences  
Stanford University School of Medicine, Palo Alto, CA, USA

*Title: Instructor*

**2011-2012** Neurodevelopmental Research Unit-Neurogenomics Division,  
The Translational Genomics Research Institute (TGen), Phoenix, AZ, USA

*Title: Adjunct Faculty Member - Visiting Scientist*

##### Non-academic

**2013-2014** Innovation Pole for Genomics, Genetics and Biology,  
University of Perugia, Perugia, Italy

*Title: Technical Director - Next Generation Sequencing Core*

### **Post-doctoral Research Fellow**

- 2015-2017** Functional Imaging in Neuropsychiatric Disorder (FIND) Lab  
Department of Neurology & Neurological Sciences  
Stanford University School of Medicine, Palo Alto, CA, USA
- 2014-2015** Department of Experimental Medicine  
University of Perugia, Perugia, Italy
- 2011-2013** Laboratory of Molecular Psychiatry & Neurogenetics, School of Medicine, University  
"Campus Bio-Medico", Rome, Italy  
Laboratory of Molecular Psychiatry and Psychiatric Genetics, Department of  
Experimental Neurosciences, I.R.C.C.S. "Fondazione Santa Lucia", Rome, Italy

### **Teaching Experience**

#### **Teaching**

- 2013 University of Camerino, Italy  
Course: General Genetics  
Contact hours: 48
- 2010-2011 University of Camerino, Italy  
Course: Epidemiology of Nutrition and Related Pathologies  
Contact hours: >40/year

#### **Mentoring/Thesis Advisor supervision**

- 2018-present Michael E. Belloy (Post-doctoral Research fellow, Stanford University, USA)  
2017-present Yongha Kim (Research Assistant, Stanford University, USA)  
2016-present Kacie D. Deters (Post-doctoral Research fellow, Stanford University, USA)  
2016-2016 Arielle Keller (Neuroscience Ph.D candidate, Stanford University, USA)  
2015-2018 Leigh Christopher (Post-doctoral Research fellow, Stanford University, USA)  
2015-2017 Raiyan R. Khan (now PhD fellow, Columbia University, USA)  
2016-2017 Megan Newsom (now Medical School undergraduate, Wake Forest, USA)  
2013-2014 Fazal Hadi (now Gates Cambridge PhD fellow, Cambridge University, UK)
- 2009-2010 Benedetta Moreschini (now PhD Student, University of Camerino, Italy)  
2009-2010 Fabio Concetti (now Post-doctoral Research fellow at University of Firenze, Italy)
- 2009-2010 Luca Di Blasio (now Clinical Trial Monitor at Clioss, Italy)  
2009-2010 Martina Tilio (now PhD Student, University of Camerino, Italy)  
2008-2009 Annalia Natali (now CQ-Chemical analyst at Pfizer Pharmaceuticals, Italy)

## **Professional Affiliations**

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

**Ad hoc reviewer**     *Aging (Albany NY); Aging Cell; Annals of Human Biology; 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; Nutrition Research; Oncotarget; Personalized Medicine; Pharmacogenomics; PloS One; Progress in Neuro-psychopharmacology & Biological Psychiatry; Psychiatry Research; Psychoneuroendocrinology; Rejuvenation Research; Research in Autism Spectrum Disorders; Scientific Reports; Scientifica*

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

## **Invited Presentations**

*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 *SAMSNI* Locus in Alzheimer’s Disease”

*International Child Neurology Association (ICNA) - Satellite Symposium “Is autism a treatable disorder?”*

Rome, April 2016

“mTOR pathway and Autism Spectrum Disorder”

*Italian Society of Clinical Biochemistry and Clinical Molecular Biology National Congress*, Rome, 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, 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.

## **Conference & 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

## **Research Support**

**NIH 1R01 AG060747-01** (PI: Greicius)

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.

**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.

**McKnight Endowment Fund for Neuroscience** (PI: Greicius)

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.

## **Publications**

### *Journal Papers*

(First author/corresponding author 35 out of 66 publications; Scopus H-Index=18, Google Scholar H-Index=21, i10-Index=41)

1. 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.
2. 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.
3. Tsai PI, Lin CH, Hsieh CH, Papakyrikos AM, Kim MJ, **Napolioni V**, Schoor C, Couthouis J, Wu RM, Wszolek ZK, Winter D, Greicius MD, Owen A, Ross OA, Wang X.  
PINK1 Phosphorylates MIC60/Mitofilin to Control Structural Plasticity of Mitochondrial Crista Junctions.  
*Mol Cell*. 2018; 69(5):744-756.
4. 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(6):900-911
5. Sadaghiani S, Ng B, Altmann A, Poline JB, Banaschewski T, Bokde ALW, Bromberg U, Büchel C, Burke Quinlan E, Conrod P, Desrivieres 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.
6. Fedderke JW, Klitgaard RE, **Napolioni V**.  
Genetic adaptation to historical pathogens burdens.  
*Infect Genet Evol*. 2017; 54:299-307.
7. 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.
8. 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.
9. 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.

10. 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- $\gamma$  via DAPK1.  
*Cell Host Microbe*. 2016; 20:744-757.
11. 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, Nannenbergh EA, Boualla L, Blom NA, de Graaff W, Kamermans M, Cocciadiferro D, Malerba N, Mandriani B, Coban-Akdemir 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.
12. 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.
13. 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, Ratcliff 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.
14. 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.
15. 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.
16. **Napolioni V**.  
Reply to Larcombe and Orr: Still seeing the big picture.  
*Brain Behav Immun*. 2015. pii: S0889-1591(15)00476-6.
17. **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.
18. **Napolioni V**, MacMurray J.  
Infectious diseases, IL6 -174G>C polymorphism, and human development.  
*Brain Behav Immun*. 2016; 51:196-203.

19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. **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.
27. **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.
28. 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.



29. **Napolioni V**, Murray DR, Comings DE, Peters WR, Gade-Andavolu R, MacMurray J. Interaction between infectious diseases and personality traits: *ACPI\*<sup>C</sup>* as a potential mediator. *Infect Genet Evol.* 2014; 26:267-273.
30. 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.
31. 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.
32. 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.
33. MacMurray J, Comings DE, **Napolioni V**. The gene-immune-behavioral pathway: Gamma-interferon (IFN- $\gamma$ ) simultaneously coordinates susceptibility to infectious disease and harm avoidance behaviors. *Brain Behav Immun.* 2014; 35:169-75.
34. Persico AM, **Napolioni V**. Autism Genetics. *Behav Brain Res.* 2013; 251:95-112.
35. 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.
36. 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.
37. **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.
38. 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.
39. Persico AM, **Napolioni V**. Urinary p-cresol in autism spectrum disorder. *Neurotoxicol Teratol.* 2013; 36:82-90.

40. 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.
41. 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
42. 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.
43. 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- $\alpha$ -308G>A and CD38 184C>G SNPs.  
*Mol Genet Metab.* 2012; 105:502-507.
44. Mignini F, Capacchietti M, **Napolioni V.**, Reggiardo G, Fasani R, Ferrari P.  
Single dose bioavailability and pharmacokinetic study of a innovative formulation of  $\alpha$ -lipoic acid (ALA600) in healthy volunteers.  
*Minerva Med.* 2011; 102:475-482
45. 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.
46. 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.
47. **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- $\alpha$  influences human life-expectancy.  
*Cytokine.* 2011; 56:481-488.
48. **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.
49. **Napolioni V.**, Persico AM, Porcelli V, Palmieri L.  
The Mitochondrial Aspartate/Glutamate Carrier AGC1 and Calcium Homeostasis: Physiological Links and Abnormalities in Autism.  
*Mol Neurobiol.* 2011; 44:83-92.
50. 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.
51. **Napolioni V.**  
Regarding "Haptoglobin 2-1 phenotype predicts rapid growth of abdominal aortic aneurysms".  
*J Vasc Surg.* 2011; 53:266-267.

52. **Napolioni V**, Gianni 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.
53. **Napolioni V**, Natali A, Saccucci P, Lucarini N.  
PTPN22 1858C>T (R620W) functional polymorphism and human longevity.  
*Mol Biol Rep*. 2011; 38:4231-4235.
54. **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.
55. 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.
56. 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.
57. **Napolioni V**, Predazzi IM.  
Age- and gender-specific association between ADA (22G>A) and TNF- $\alpha$  (-308G>A) genetic polymorphisms.  
*Tissue Antigens*. 2010; 76:311-314.
58. **Napolioni V**.  
ADA (22G>A) polymorphism: a possible genetic marker for predictive medicine of human reproduction?  
*Metabolism*. 2010; 59:e9-e10.
59. 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.
60. **Napolioni V**, Lucarini N.  
Gender-specific association of ADA genetic polymorphism with human longevity.  
*Biogerontology*. 2010; 11:457-462.
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