

**Dr. Vincenza Colonna BSc, PhD**  
*Curriculum Vitae*

## **PRESENT ADDRESS:**

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National Research Council  
Institute of Genetics and Biophysics Adriano Buzzati-Traverso  
via Pietro Castellino 111 - 80131 Napoli, Italy  
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## **WEB PROFILES**

<http://www.igb.cnr.it/popgenlab>  
[https://elixir-iib-training.github.io/website/instructors/vincenza\\_colonna.html](https://elixir-iib-training.github.io/website/instructors/vincenza_colonna.html)  
<https://carpentries.org/instructors/>  
<http://docente.unife.it/vincenza.colonna/>

## **EDUCATION AND TRAINING**

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2002 Bachelor of Science in Biological Sciences (110/110 cum laude), University of Naples Federico II, Italy  
2006 PhD in Advanced Biology from University of Naples Federico II & National Research Council, Italy

## **CURRENT POSITIONS**

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2010- Researcher, National Research Council,  
Institute of Genetics and Biophysics Adriano Buzzati-Traverso, Naples, Italy  
2016- Certified Instructor, Software Carpentry  
2015- Member of the ELIXIR-ITA Training Team

## **PREVIOUS POSITIONS**

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2010-2012 Postdoc, Wellcome Trust Sanger Institute, Hinxton, UK  
2007-2010 Postdoc, University of Ferrara, Italy  
2007-2010 Lecturer in Biological Databases, University of Ferrara, Italy  
2007-2009 Lecturer in Genetics, University of Ferrara, Italy  
2006-2007 Fellow, Regional Center for Education (GEAR), University of Naples Federico II, Italy

## **ABILITAZIONE SCIENTIFICA NAZIONALE**

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2018-2024 Abilitazione in Zoologia e Antropologia Settore 05/B1 - II Fascia  
2018-2024 Abilitazione in Genetica Settore 05/I1 - II Fascia

## **AWARDS**

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2008 Federazione Italiana Donne Arti Professioni Affari, Premio Donna  
2008 Fondazione Premio Penisola Sorrentina Arturo Esposito, Genius loci award  
2007 Honorable mention of the President of the Italian Republic in the new year's eve speech to the nation

## **FELLOWSHIPS**

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2019 EMBO, short term fellowship (Number 7919)  
2018 National Research Council, Short term mobility fellowship  
2014 National Research Council, Short term mobility fellowship  
2013 National Research Council, Short term mobility fellowship  
2010 National Research Council, Short term mobility fellowship  
2010 EMBO, short term fellowship (ASTF 324-2010)  
2005 EMBO, Practical Course Helsinki Finland  
1996-2000 Ente per il Diritto allo Studio Universitario, Undergraduate scholarship

## GRANT FUNDING

Date	Title	Awarding body	Total award amount	Total to PI	Role
2020	RECOVER – Covid 19 RicErCa e sviluppO VERsus COVID19 in Campania	Regione Campania DPGR n. 45 (06/03/2020). Prot. 2020 0213629 del 05/05/2020	300k	23k EUR	Co-applicant
2020	EMBO Practical Course Population Genomics: Background, Tools, and Programming	European Molecular Biology Organization	n.a.	37k EUR	Main Organizer
2014-2020	IMMA, Identification of Mutations in Miscarriages and Applications	POR Campania FSE 2014-2020 Asse III Obiettivo Specifico 14 Azione 10.4.5	n.a.	88k EUR	Co-applicant
2019-2021	PARDOM, Parallel Domestications: the Phaseolus replicated experiment to understand genome evolution and adaptation	PRIN 2017 Ministero dell'Istruzione dell'Università della Ricerca	600k EUR	56k EUR	Co-applicant
2019	EMBO Practical Course Population Genomics: Background, Tools, and Programming	European Molecular Biology Organization	n.a.	35k EUR	Main Organizer
2017	EMBO Practical Course Population Genomics: Background & Tools	European Molecular Biology Organization	n.a.	32k EUR	Main Organizer

## GRANT REVIEW

2020 European Science Foundation, Research Foundation Flanders, Call for Junior and Senior Research Projects  
 2018 Università di Verona, Valutazione Joint Projects  
 2017 Università di Verona, Valutazione Ricerca di Base  
 2014- Member of the Register of Expert Peer Reviewers for Italian Scientific Evaluation  
 2016 Expert for the Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (ANVUR)  
 2013 European Research Council Advanced Grant

## EDITORIAL SERVICE

2020- Editorial Board, Human Population Genetics and Genomics  
 2019- Editorial Board, Scientific Reports  
 2017 Guest Editor, BMC Bioinformatics  
 2014 Guest Editor, BMC Bioinformatics

## ACADEMIC SERVICE

### POSTGRADUATE COURSES REGULARLY TAUGHT:

2015- PhD Programme, University Vanvitelli

PHD ADVISOR 2019-2022 Silvia Buonaiuto (Primary Advisor)  
 2014-2017 Roberto Sirica (Primary Advisor)

PHD COMMITTEE 2015-2018 PhD programme in Life Science, University of Campania Luigi Vanvitelli, Italy  
 2017 PhD Programme in Smart Computing, University of Florence, Italy

PHD VIVA EXAMINER	2020	Tooba Ali (Advisor S.Khaliq) University of Health Sciences, Lahore, Pakistan
	2019	Hajan Shah Sayed (Advisor A. Abid) Center for Human Genetics and Molecular Medicine, Pakistan
	2016	Serena Tucci (Advisor G. Barbujani) University of Ferrara, Italy
	2015	Ali Raza (Advisor A. Abid) Center for Human Genetics and Molecular Medicine, Pakistan
	2012	Saba Shahid (Advisor A. Abid) Center for Human Genetics and Molecular Medicine, Pakistan
UNDERGRADUATE ADVISOR	2019-	Flavia Villani, University of Napoli Federico II
	2019-	Giuliana D'Angelo, University of Napoli Federico II
	2019-2020	Gianluca Damaggio, University of Napoli Federico II
	2018	Gaia Leandra Cecere, University of Napoli Federico II

## PLATFORM TALKS, KEYNOTES AND INVITED SEMINARS (LAST TEN YEARS)

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2020	Senato della Repubblica Italiana / Audizione Informale / Rome, Italy
2020	University of Naples Federico II, Master in Forensic Genetics / Lecture / Naples, Italy
2020	University of Bari, Master in Citogenomics / Lecture / Bari, Italy
2020	University of Naples Federico II / Seminar / Naples, Italy
2019	University of Bari / Seminar / Bari, Italy
2019	University of Tartu / Seminar / Tartu, Estonia
2015	University of Leicester / Seminar / Leicester, UK
2015	Fondazione Bruno Kessler / Seminar / Trento, Italy
2014	Organization of the Islamic Conference / Consultative Meeting on "Biology, Pharmacology and Health Sciences" / Islamabad, Pakistan
2014	Institute of Biological Chemistry, Academia Sinica / Translational Cancer Research, France-Italy-Taiwan trilateral workshop / Taipei, Taiwan
2014	University of Cambridge / Seminar / Cambridge, UK
2014	Federazione Italiana Scienza della Vita/ Annual Conference / Pisa, Italy
2014	University of Southampton / Human Genetics and Medical Genomics seminar / UK
2014	University of Ancona / Seminar / Ancona, Italy
2014	EMBO /EMBO workshop, Human evolution in the genomic era: Origins, populations and phenotypes / Leicester, UK
2013	University of Lausanne / Seminar / Lausanne, Switzerland
2013	Italian Bioinformatics Society / Conference Bioinformatica e Biologia Computazionale in Campania / Salerno, Italy
2013	Università degli studi di Bari Aldo Moro / Seminar / Bari, Italy

## CONFERENCE ORGANISATION

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2017	Workshop, Bringing Maths to Life
2015	Workshop, Bringing Maths to Life
2014	Workshop, Bringing Maths to Life
2008-2016	Memorial Lecture, Graziella Persico Memorial Lecture and PhD student Scientific Travelling Award

## COURSES ORGANISATION

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July 2019	Organized and taught: Software Carpentry Workshop - Shell, Git, Python, Naples, Italy
May 2019	Co-organized: Practical course on Single-Cell RNA Sequencing and Data Analysis, Pozzuoli, Italy
Apr 2019	Main organizer: EMBO Practical Course Population Genomics: background, tools and programming
Feb 2019	Organized: Software Carpentry Workshop - Shell, Git, R - Naples, Italy
Apr 2018	Main organizer: EMBO Practical Course Population Genomics: background, and tools
Sep 2017	Co-organized: Practical course on Machine Learning for Biologists, Trento, Italy
May 2017	Main organizer: EMBO Practical Course Population Genomics: background, and tools
May 2016	Organized and taught: NGS for evolutionary biologists: from basic scripting to variant calling, Naples, Italy

## COURSES TEACHING

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Jul 2018	Taught: Programming in Python for Biologists, Oeiras, Portugal
Sep 2017	Taught: Train the Trainer, ELIXIR-ITA, Fisciano, Italy
Sep 2016	Taught: Python for Life Scientists, Bari, Italy
Jul 2016	Taught: Bioinformatics using Python for Biomedical Researchers, Oeiras, Portugal
May 2016	Taught: NGS for evolutionary biologists: from basic scripting to variant calling, Naples, Italy
Nov 2015	Taught: NGS for evolutionary biologists: from basic scripting to variant calling, Rome, Italy
Jul 2016	Trainee: Train the Trainer, Oeiras, Portugal
Jan 2016	Trainee: Train the Trainer, Basel, Switzerland

## PUBLICATIONS

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ORCID ID: [orcid.org/0000-0002-3966-0474](https://orcid.org/0000-0002-3966-0474)

Scopus Author ID: 12778987500

ResearcherID: H-2021-2014

Loop profile: 524104

Manuscripts with first-or last author contribution are in [blue](#) and also contain the following notation:

\* Joint first author

§ Corresponding author

## PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Anagnostou P, Dominici V, Battaggia C, Lisi A, Sarno S, Boattini A, Calò C, Francalacci P, Vona G, Tofanelli S, Vilar MG, Colonna V, Pagani L, Destro Bisol G. *Inter-individual genomic heterogeneity within European population isolates*. **PLoS One**. 2019 Oct 9;14(10):e0214564. doi: 10.1371/journal.pone.0214564. eCollection 2019. PubMed PMID: 31596857
2. § [Colonna V](#), D'Agostino N, Garrison E, Albrechtsen A, Jonas Meisner J, Facchiano A, Cardi T, Tripodi P. *Genomic diversity and novel genome-wide association with fruit morphology in Capsicum, from 746k polymorphic sites*. **Sci Rep**. 2019 Jul 11;9(1):10067. doi: 10.1038/s41598-019-46136-5. PubMed PMID: 31296904
3. Petrella V, Aceto S, Colonna V, Saccone G, Sanges R, Polanska N, Volf P, Gradoni L, Bongiorno G, Salvemini M. *Identification of sex determination genes and their evolution in Phlebotominae sand flies (Diptera, Nematocera)*. **BMC Genomics** 2019 in press
4. § [Sirica R](#), Buonaiuto M, Petrella V, Sticco L, Tramontano D, Antonini D, Missero C, Guardiola O, Andolfi G, Kumar H, Ayub Q, Xue Y, Tyler-Smith C, Salvemini M, D'Angelo G, [Colonna V](#). *Positive selection in Europeans and East-Asians at the ABCA12 gene*. **Sci Rep**. 2019 Mar 19;9(1):4843. doi: 10.1038/s41598-019-40360-9. PubMed PMID: 30890716
5. Gardner EJ, Lam VK, Harris DN, Chuang NT, Scott EC, Pittard WS, Mills RE; 1000 Genomes Project Consortium, Devine SE. *The Mobile Element Locator Tool (MELT): Population-scale mobile element discovery and biology*. **Genome Res**. 2017 Aug 30. PubMed PMID: 28855259 .
6. Xue Y, Mezzavilla M, Haber M, McCarthy S, Chen Y, Narasimhan V, Gilly A, Ayub Q, [Colonna V](#), Southam L, Finan C, Massaia A, Chheda H, Palta P, Ritchie G, Asimit J, Dedoussis G, Gasparini P, Palotie A, Ripatti S, Soranzo N, Toniolo D, Wilson JF, Durbin R, Tyler-Smith C, Zeggini E. *Enrichment of low-frequency functional variants revealed by whole-genome sequencing of multiple isolated European populations*. **Nat Commun**. 2017 Jun 23;8:15927. PubMed PMID: 28643794 .
7. Anagnostou P, Dominici V, Battaggia C, Pagani L, Vilar M, Wells RS, Pettener D, Sarno S, Boattini A, Francalacci P, [Colonna V](#), Vona G, Calò C, Destro Bisol G, Tofanelli S. *Overcoming the dichotomy between open and isolated populations using genomic data from a large European dataset*. **Sci Rep**. 2017 Feb 1;7:41614. doi: 10.1038/srep41614. PubMed PMID: 28145502 .
8. Pagani L, [Colonna V](#), Tyler-Smith C, Ayub Q. *An Ethnolinguistic and Genetic Perspective on the Origins of the Dravidian-Speaking Brahui in Pakistan*. **Man in India** 2017;97(1):267-278. PubMed PMID: 28381901 .
9. Terreri S, Durso M, [Colonna V](#), Romanelli A, Terracciano D, Ferro M, Perdonà S, Castaldo L, Febbraio F, de Nigris F, Cimmino A. *New Cross-Talk Layer between Ultraconserved Non-Coding RNAs, MicroRNAs and Polycomb Protein YY1 in Bladder Cancer*. **Genes** 2016 Dec 14;7(12). pii: E127. PubMed PMID: 27983635 .

10. Lania G, Bresciani A, Bisbocci M, Francone A, [Colonna V](#), Altamura S, Baldini A. *Vitamin B12 ameliorates the phenotype of a mouse model of DiGeorge syndrome.* **Hum Mol Genet.** **2016** Aug 9. pii: ddd267. PubMed PMID: 28173146 .
11. McKerrell T, Moreno T, Ponstingl H, Bolli N, Dias JM, Tischler G, [Colonna V](#), Manasse B, Bench A, Bloxham D, Herman B, Fletcher D, Park N, Quail MA, Manes N, Hodgkinson C, Baxter J, Sierra J, Foukaneli T, Warren AJ, Chi J, Costeas P, Rad R, Huntly B, Grove C, Ning Z, Tyler-Smith C, Varela I, Scott M, Nomdedeu J, Mustonen V, Vassiliou GS. *Development and validation of a comprehensive genomic diagnostic tool for myeloid malignancies.* **Blood** **2016** Apr 27. pii: blood-2015-11-683334. PubMed PMID: 27121471 .
12. Olivieri M, Ferro M, Terreri S, Durso M, Romanelli A, Avitabile C, De Cobelli O, Messere A, Bruzzese D, Vannini I, Marinelli L, Novellino E, Zhang W, Incoronato M, Ilardi G, Staibano S, Marra L, Franco R, Perdonà S, Terracciano D, Czerniak B, Liguori GL, [Colonna V](#), Fabbri M, Febbraio F, Calin GA, Cimmino A. *Long non-coding RNA containing ultraconserved genomic region 8 promotes bladder cancer tumorigenesis.* **Oncotarget.** **2016** Mar 1. PubMed PMID: 26943042
13. Petrella V, Aceto S, Musacchia F, [Colonna V](#), Robinson M, Benes V, Cicotti G, Bongiorno G, Gradoni L, Volf P, Salvemini M. *De novo assembly and sex-specific transcriptome profiling in the sand fly *Phlebotomus perniciosus* (Diptera, Phlebotominae), a major Old World vector of *Leishmania infantum*.* **BMC Genomics.** **2015** Oct 23;16(1):847. PubMed PMID: 26493315
14. 1000 Genomes Project Consortium, Auton A, Brooks LD, Durbin RM, Garrison EP, Kang HM, Korbel JO, Marchini JL, McCarthy S, McVean GA, Abecasis GR. *A global reference for human genetic variation.* **Nature.** **2015** Oct 1;526(7571):68-74. PubMed PMID: 26432245
15. Shah SS, Mohyuddin A, [Colonna V](#), Mehdi SQ, Ayub Q. *Monoamine Oxidase A gene polymorphisms and self reported aggressive behaviour in a Pakistani ethnic group.* **J Pak Med Assoc.** **2015** Aug;65(8):818-24. PubMed PMID: 26228323 .
16. Delaneau O, Marchini J; 1000 Genomes Project Consortium; 1000 Genomes Project Consortium. *Integrating sequence and array data to create an improved 1000 Genomes Project haplotype reference panel.* **Nat Commun.** **2014** Jun 13;5:3934. doi: 10.1038/ncomms4934. PubMed PMID: 25653097
17. § [Mezzavilla M](#), [Vozzi D](#), [Pirastu N](#), [Giotto G](#), [d'Adamo P](#), [Gasparini P](#), [Colonna V](#). *Genetic landscape of populations along the Silk Road: admixture and migration patterns.* **BMC Genet.** **2014** Dec 5;15:131. PubMed PMID: 25476266
18. Panoutsopoulou K, Hatzikotoulas K, Xifara DK, [Colonna V](#), Farmaki AE, Ritchie GR, Southam L, Gilly A, Tachmazidou I, Fatumo S, Matchan A, Rayner NW, Ntalla I, Mezzavilla M, Chen Y, Kiagiadaki C, Zengini E, Mamakou V, Athanasiadis A, Giannakopoulou M, Kariakli VE, Nsubuga RN, Karabarinde A, Sandhu M, McVean G, Tyler-Smith C, Tsafantakis E, Karaleftheri M, Xue Y, Dedoussis G, Zeggini E. *Genetic characterization of Greek population isolates reveals strong genetic drift at missense and trait-associated variants.* **Nat Commun.** **2014** Nov 6;5:5345. doi: 10.1038/ncomms6345. PubMed PMID: 25373335
19. § [Colonna V](#), Ayub Q, Chen Y, Pagani L, Luisi P, Pybus M, Garrison E, Xue Y, Tyler-Smith C; 1000 Genomes Project Consortium, Abecasis GR, Auton A, Brooks LD, DePristo MA, Durbin RM, Handsaker RE, Kang HM, Marth GT, McVean GA. *Human genomic regions with exceptionally high levels of population differentiation identified from 911 whole-genome sequences.* **Genome Biol.** **2014** Jun 30;15(6):R88. doi: 10.1186/gb-2014-15-6-r88. PubMed PMID: 24980144
20. Ayub Q, Moutsianas L, Chen Y, Panoutsopoulou K, [Colonna V](#), Pagani L, Prokopenko I, Ritchie GR, Tyler-Smith C, McCarthy MI, Zeggini E, Xue Y. *Revisiting the thrifty gene hypothesis via 65 loci associated with susceptibility to type 2 diabetes.* **Am J Hum Genet.** **2014** Feb 6;94(2):176-85. doi: 10.1016/j.ajhg.2013.12.010. Epub **2014** Jan 9. PubMed PMID: 24412096
21. Sikora MJ, [Colonna V](#), Xue Y, Tyler-Smith C. *Modeling the contrasting Neolithic male lineage expansions in Europe and Africa.* **Investig Genet.** **2013** Nov 21;4(1):25. doi: 10.1186/2041-2223-4-25. PubMed PMID: 24262073
22. [Khurana E\\*](#), [Fu Y\\*](#), [Colonna V\\*](#), [Mu XJ\\*](#), Kang HM, Lappalainen T, Sboner A, Lochovsky L, Chen J, Harmanci A, Das J, Abyzov A, Balasubramanian S, Beal K, Chakravarty D, Challis D, Chen Y, Clarke D, Clarke L, Cunningham F, Evani US, Flicek P, Fragoza R, Garrison E, Gibbs R, Gümüs ZH, Herrero J, Kitabayashi N, Kong Y, Lage K, Liluashvili V, Lipkin SM, MacArthur DG, Marth G, Muzny D,

- Pers TH, Ritchie GR, Rosenfeld JA, Sisu C, Wei X, Wilson M, Xue Y, Yu F; 1000 Genomes Project Consortium, Dermitzakis ET, Yu H, Rubin MA, Tyler-Smith C, Gerstein M. *Integrative annotation of variants from 1092 humans: application to cancer genomics*. **Science**. 2013 Oct 4;342(6154):1235587. doi: 10.1126/science.1235587. PubMed PMID: 24092746
23. Ghirotto S, Tassi F, Fumagalli E, [Colonna V](#), Sandionigi A, Lari M, Vai S, Petiti E, Corti G, Rizzi E, De Bellis G, Caramelli D, Barbujani G. *Origins and evolution of the Etruscans' mtDNA*. **PLoS One**. 2013;8(2):e55519. PubMed PMID: 23405165
  24. 1000 Genomes Project Consortium, Abecasis GR, Auton A, Brooks LD, DePristo MA, Durbin RM, Handsaker RE, Kang HM, Marth GT, McVean GA. *An integrated map of genetic variation from 1,092 human genomes*. **Nature**. 2012 Nov 1;491(7422):56-65. PubMed PMID: 23128226
  25. Boraska V, Jerončić A, [Colonna V](#), Southam L, Nyholt DR, Rayner NW, Perry JR, Toniolo D, Albrecht E, Ang W, Bandinelli S, Barbalic M, Barroso I, Beckmann JS, Biffar R, Boomsma D, Campbell H, Corre T, Erdmann J, Esko T, Fischer K, Franceschini N, Frayling TM, Girotto G, Gonzalez JR, Harris TB, Heath AC, Heid IM, Hoffmann W, Hofman A, Horikoshi M, Zhao JH, Jackson AU, Hottenga JJ, Jula A, Kähönen M, Khaw KT, Kiemeny LA, Klopp N, Kutalik Z, Lagou V, Launer LJ, Lehtimäki T, Lemire M, Lokki ML, Loley C, Luan J, Mangino M, Mateo Leach I, Medland SE, Mihailov E, Montgomery GW, Navis G, Newnham J, Nieminen MS, Palotie A, Panoutsopoulou K, Peters A, Pirastu N, Polasek O, Rehnström K, Ripatti S, Ritchie GR, Rivadeneira F, Robino A, Samani NJ, Shin SY, Sinisalo J, Smit JH, Soranzo N, Stolk L, Swinkels DW, Tanaka T, Teumer A, Tönjes A, Traglia M, Tuomilehto J, Valsesia A, van Gilst WH, van Meurs JB, Smith AV, Viikari J, Vink JM, Waeber G, Warrington NM, Widen E, Willemsen G, Wright AF, Zanke BW, Zgaga L; Wellcome Trust Case Control Consortium, Boehnke M, d'Adamo AP, de Geus E, Demerath EW, den Heijer M, Eriksson JG, Ferrucci L, Gieger C, Gudnason V, Hayward C, Hengstenberg C, Hudson TJ, Järvelin MR, Kogevinas M, Loos RJ, Martin NG, Metspalu A, Pennell CE, Penninx BW, Perola M, Raitakari O, Salomaa V, Schreiber S, Schunkert H, Spector TD, Stumvoll M, Uitterlinden AG, Ulivi S, van der Harst P, Vollenweider P, Völzke H, Wareham NJ, Wichmann HE, Wilson JF, Rudan I, Xue Y, Zeggini E. *Genome-wide meta-analysis of common variant differences between men and women*. **Hum Mol Genet**. 2012 Nov 1;21(21):4805-15. PubMed PMID: 22843499
  26. [§ Colonna V](#), Pistis G, Bomba L, Mona S, Matullo G, Boano R, Sala C, Viganò F, Torroni A, Achilli A, Hooshiar Kashani B, Malerba G, Gambaro G, Soranzo N, Toniolo D. *Small effective population size and genetic homogeneity in the Val Borbera isolate*. **Eur J Hum Genet**. 2013 Jan;21(1):89-94. PubMed PMID: 22713810
  27. Everitt AR, Clare S, Pertel T, John SP, Wash RS, Smith SE, Chin CR, Feeley EM, Sims JS, Adams DJ, Wise HM, Kane L, Goulding D, Digard P, Anttila V, Baillie JK, Walsh TS, Hume DA, Palotie A, Xue Y, [Colonna V](#), Tyler-Smith C, Dunning J, Gordon SB; GenISIS Investigators; MOSAIC Investigators, Smyth RL, Openshaw PJ, Dougan G, Brass AL, Kellam P. *IFITM3 restricts the morbidity and mortality associated with influenza*. **Nature**. 2012 Mar 25;484(7395):519-23. PubMed PMID: 22446628
  28. [Colonna V](#), Pagani L, Xue Y, Tyler-Smith C. *A world in a grain of sand: human history from genetic data*. **Genome Biol**. 2011 Nov 21;12(11):234. PubMed PMID: 22104725
  29. Kutanan W, Kampuansai J, [Colonna V](#), Nakbunlung S, Lertvicha P, Seielstad M, Bertorelle G, Kangwanpong D. *Genetic affinity and admixture of northern Thai people along their migration route in northern Thailand: evidence from autosomal STR loci*. **J Hum Genet**. 2011 Feb;56(2):130-7. PubMed PMID: 21107341
  30. [Colonna V](#), Boattini A, Guardiano C, Dall'ara I, Pettener D, Longobardi G, Barbujani G. *Long-range comparison between genes and languages based on syntactic distances*. **Hum Hered**. 2010;70(4):245-54. PubMed PMID: 20948220.
  31. Barbujani G, [Colonna V](#). *Human genome diversity: frequently asked questions*. **Trends Genet**. 2010 Jul;26(7):285-95. PubMed PMID: 20471132
  32. Bronberg RA, Dipierri JE, Alfaro EL, Barraí I, Rodríguez-Larralde A, Castilla EE, [Colonna V](#), Rodríguez-Arroyo G, Bailliet G. *Isonymy structure of Buenos Aires city*. **Hum Biol**. 2009 Aug;81(4):447-61. PubMed PMID: 20067369
  33. [Colonna V](#), Natile T, Ferrucci RR, Fardella G, Aversano M, Barbujani G, Ciullo M. *Comparing population structure as inferred from genealogical versus genetic information*. **Eur J Hum Genet**. 2009 Dec;17(12):1635-41. PubMed PMID: 19550436

34. Belle EM, Benazzo A, Ghirotto S, Colonna V, Barbujani G. *Comparing models on the genealogical relationships among Neandertal, Cro-Magnoid and modern Europeans by serial coalescent simulations*. **Heredity** (Edinb). **2009** Mar;102(3):218-25. PubMed PMID: 18971954
35. Ciullo M, Nutile T, Dalmasso C, Sorice R, Bellenguez C, Colonna V, Persico MG, Bourgain C. *Identification and replication of a novel obesity locus on chromosome 1q24 in isolated populations of Cilento*. **Diabetes**. **2008** Mar;57(3):783-90. PubMed PMID:
36. Colonna V, Nutile T, Astore M, Guardiola O, Antoniol G, Ciullo M, Persico MG. *Campora: a young genetic isolate in South Italy*. **Hum Hered**. **2007**;64(2):123-35. PubMed PMID: 17476112
37. Ciullo M, Bellenguez C, Colonna V, Nutile T, Calabria A, Pacente R, Iovino G, Trimarco B, Bourgain C, Persico MG. *New susceptibility locus for hypertension on chromosome 8q by efficient pedigree-breaking in an Italian isolate*. **Hum Mol Genet**. **2006** May 15;15(10):1735-43. PubMed PMID: 16611673
38. Tarsitano M, De Falco S, Colonna V, McGhee JD, Persico MG. *The C. elegans pvf-1 gene encodes a PDGF/VEGF-like factor able to bind mammalian VEGF receptors and to induce angiogenesis*. **FASEB J**. **2006** Feb;20(2):227-33. PubMed PMID: 16449794.

#### BOOK CHAPTERS

- 2011 Barbujani G., Colonna V. (2011). Genetic bases of human biodiversity: an update. . In: Zachos F.E., Habel J.C. . Biodiversity Hotspots . p. 97-120, berlino:springer, ISBN: 9783642209918
- 2010 BARBUJANI G, COLONNA V (2010). Genetic bases of human biodiversity: an update. In: ZACHOS F. BIODIVERSITY HOTSPOTS. BERLIN:Springer

Napoli June 11, 2020

*vincenzo colonna*