

# Curriculum Vitae

## Personal information

### Colombo Giulia

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Nationality Italian

Date of birth 24/11/1995

Sex F



## Occupational Field

**Researcher, Biologist.**

## Work experience

Dates From October 2019 -

Main activities PhD student in Genetics, Molecular and Cellular Biology  
Human and Animal Population Genetics laboratory

Research activity Genomic variation in human populations

Referent Ornella Semino, [ornella.semino@unipv.it](mailto:ornella.semino@unipv.it), Anna Olivieri, [anna.olivieri@unipv.it](mailto:anna.olivieri@unipv.it), Università degli studi di Pavia, via Ferrata 9, 27100 Pavia, IT. Department of Biology and Biotechnology "L. Spallanzani"

Dates From September 2016 to September 2019

Main activities Trainee in the Human Population Genetics Laboratory

Researcher in the "Study of new markers of the human Y-chromosome haplogroup Q-M242 in Eurasian populations" project, under the supervision of Professor Ornella Semino, and participation in the project for the genomic analysis of the Panamanian native population.

Referent Ornella Semino, [ornella.semino@unipv.it](mailto:ornella.semino@unipv.it), Università degli studi di Pavia, via Ferrata 9, 27100 Pavia, IT. Department of Biology and Biotechnology "L. Spallanzani"

## Teaching experience

Dates From 24 July 2020 -

Main activities Teaching Assistant for the course in Genetics (Prof. Ornella Semino) for the degree in Biology.

Referent Ornella Semino, [ornella.semino@unipv.it](mailto:ornella.semino@unipv.it), Università degli studi di Pavia, via Ferrata 9, 27100 Pavia, IT. Department of Biology and Biotechnology "L. Spallanzani".

Dates From 21 July 2020 -

Main activities Teaching Assistant for the course in Genetics and Human Biology (Prof. Ornella Semino) for the degree in Natural Science.

Referent Ornella Semino, [ornella.semino@unipv.it](mailto:ornella.semino@unipv.it), Università degli studi di Pavia, via Ferrata 9, 27100 Pavia, IT. Department of Biology and Biotechnology "L. Spallanzani".

Dates From 2020 -

Main activities	Co-supervisor of several students that were completing their Bachelor and Master Degree.
Dates	From September 2017 –
Main activities	Tutor of the “Genetics” course for the degree in Natural Sciences, under the supervision of Professor Ornella Semino
Referent	Ornella Semino, <a href="mailto:ornella.semino@unipv.it">ornella.semino@unipv.it</a> , Università degli studi di Pavia, via Ferrata 9, 27100 Pavia, IT. Department of Biology and Biotechnology “L. Spallanzani”

## Education

### Master Degree in Molecular Biology and Genetics

110/110 cum laude

Department of Biology and Biotechnology “L. Spallanzani”

University of Pavia

Studies included:

Methods in Biochemistry, Advanced Molecular Biology, Bioinformatics, Structural Biology and Pharmacology, Microbial Genetics, Human Molecular Genetics, Molecular Pharmacology, Cellular Biochemistry, Developmental Biology, Molecular Entomology, Molecular Microbiology, Plant Molecular Biology and Biotechnology

Award For my work of thesis, I was awarded a study prize by the Associazione Gruppi Lavoratori Seniores Agusta “for the commitment and brilliant result obtained”.

### Bachelor Degree in Biological Science

101/110

Department of Biology and Biotechnology “L. Spallanzani”

University of Pavia

Studies included:

Inorganic and organic Chemistry, Physics, Mathematics, Cytology and Histology, Zoology, Botany, Genetics basic and advanced, Biochemistry, Microbiology, Human and Vegetal Physiology, Ecology, Comparative Anatomy, Statistics, Molecular Biology, Pathology, Cellular Methodologies.

### European Baccalauréat Diploma in Science and Languages

78,44 / 100

European School of Varese (Italy), via Montello, 118, 21100 Varese

Studies included:

Biology, Chemistry, Physics, Mathematics, Informatics, Human Sciences.

Languages: Italian (L1). English (L2), Spanish (L3).

## Personal Skills and competencies

Principal language **Italian**

Other languages)

European level (\*)

**English**

**Spanish**

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
	C1		C1		C1		C1
	A2+		A2+		A2+		A2+

(\*) *Common European Framework of Reference for Languages*

Social skills	During my experience as a tutor, I had the possibility to improve my communication abilities, as well as increasing my teaching experience.
Organisational skills	During my degree I had the possibility to improve my organisational and time optimisation skills. Moreover, during my internship in the Population Genetics Laboratory I had the possibility to interact and to help in the management of younger students throughout their traineeship as well as deepen my organizing skill regarding the wet lab.
Technical skills	Basic Molecular Biology competences such as DNA extraction through phenol-chloroform and commercial kits, PCR, agarose gel electrophoresis, analysis of RFLP, purifications and sample preparations for Sanger and Illumina sequencing.
Informatic skills	During my traineeship I dedicated most of my time learning programming languages such as Bash, Python, R and LateX. Moreover, I deepened my knowledge of basic software such as Office, as well as software for the analysis of genomic data such as Sequencher and Geneious.
Driving license	B Driver's license, car owner.
<b>Publications</b>	<ul style="list-style-type: none"> <li>▪ V. Grugni, A. Raveane, <u>G. Colombo</u>, C. Nici, F. Crobu, L. Ongaro, V. Battaglia, D. Sanna, N. Al-Zahery, O. Fiorani, A. Lisa, L. Ferretti, A. Achilli, A. Olivieri, P. Francalacci, A. Piazza, A. Torrioni, O. Semino. (2019). Y-chromosome and Surname Analyses for Reconstructing Past Population Structures: The Sardinian Population as a Test Case. International journal of Molecular Sciences, 20(22), 5763.</li> <li>▪ V. Grugni, A. Raveane, L. Ongaro, V. Battaglia, B. Trombetta, <u>G. Colombo</u>, M.R. Capodiferro A. Olivieri, A. Achilli, U.A. Perego, J. Motta, M. Tribaldos, S.R. Woodward, L. Ferretti, F. Cruciani, A. Torrioni, O. Semino (2019). Analysis of the human Y-chromosome haplogroup Q characterizes ancient population movements in Eurasia and the Americas. BMC Biology, 17(1), 3.</li> </ul>
<b>Poster presentations during Congresses</b>	<ul style="list-style-type: none"> <li>▪ V. Grugni, A. Raveane, L. Ongaro, V. Battaglia, B. Trombetta, <u>G. Colombo</u>, M.R. Capodiferro A. Olivieri, A. Achilli, U.A. Perego, J. Motta, M. Tribaldos, S.R. Woodward, L. Ferretti, F. Cruciani, A. Torrioni, O. Semino. Y-chromosome haplogroup Q and the first peopling of the America. Centenary of human population genetics, Conference, Moscow, 29-31 May 2019</li> <li>▪ Rambaldi Migliore N., M.R. Capodiferro, M. Tribaldos, A. Modi, U.A. Perego, H. Li, A. Raveane, V. Grugni, <u>G. Colombo</u>, T. Mendizábal, J. Riviera, I. Hernández-Mora, J. Martin, B. Aram, R. Cooke, M. Lari, R.S. Malhi, D. Caramelli, A. Olivieri, A. Torrioni, J. Motta, O. Semino, A. Achilli. Refining the genetic history of Panama through modern and ancient mitogenomes. FISV 2018, Roma, XV FISV Congress, 18-21 Settembre 2018.</li> </ul>