

EUROPEAN  
CURRICULUM VITAE  
FORMAT



**PERSONAL INFORMATION**

Name	<b>GABRIELE MAGRIS</b>
Address	<b>UNIVERSITÀ DEGLI STUDI DI UDINE VIA DELLE SCIENZE 206, UDINE – 33100</b>
Telephone	-
Mobile	-
SCOPUS links	<a href="https://www.scopus.com/authid/detail.uri?authorId=53871518600">https://www.scopus.com/authid/detail.uri?authorId=53871518600</a>
Other link	<a href="https://orcid.org/0000-0003-0801-0089">https://orcid.org/0000-0003-0801-0089</a>
E-mail	<b>gabriele.magris@uniud.it</b>
Nationality	Italian, Luxembourgish
Date of Birth	13/02/1989
Gender	male

**WORK EXPERIENCE**

- Dates (from - to) April 2021 – today
- Name and address of the employer Università degli Studi di Udine - Department of Agricultural, Food, Environmental and Animal Sciences (DI4A)
- Occupation or position held **Researcher (RTD/A) – Agricultural genetic (AGR/07)**
- Main activities and responsibilities
  
- Dates (from - to) January 2016 – March 2021
- Name and address of the employer Università degli Studi di Udine - Department of Agricultural, Food, Environmental and Animal Sciences (DI4A)
- Occupation or position held **Postdoctoral fellow**
- Main activities and responsibilities NGS data analysis of more than 200 grapevine varieties; Population genomics; reconstruction of the pan-genome of *Vitis vinifera*
  
- Dates (from - to) August 2009 – August 2009
- Name and address of the employer CRP Santé Centre de Recherche public
- Type of business or sector Microarray center
- Occupation or position held **Stage**
- Main activities and responsibilities Data analysis

**EDUCATION AND TRAINING**

- Dates (from - to) 2013 – 2015
- Name and type of organisation providing education and training Università degli Studi di Udine
- Principal subjects/occupational skills covered Characterisation of the pan-genome of *Vitis vinifera* using Next Generation Sequencing
- Title of qualification awarded **PhD in Agricultural Science and Biotechnology**

- Dates (from - to) 2010 – 2012
- Name and type of organisation providing education and training Università degli Studi di Udine
- Principal subjects/occupational skills covered Analysis of the hypoxic response of *Arabidopsis thaliana* and to the relevant laboratory activities
- Title of qualification awarded **Second Level Degree (Master's Degree) in Plant and Animal Biotechnology, cl. LM-7 (110/110 cum laude)**

- Dates (from - to) 2007 – 2010
- Name and type of organisation providing education and training Università degli Studi di Udine
- Principal subjects/occupational skills covered Analysis of *phytoplasma* in prunus and relevant laboratory activities
- Title of qualification awarded **Bachelor's Degree in Biotechnology (110/110 cum laude)**

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE  
OTHER LANGUAGES

**ITALIAN**  
**ENGLISH, GERMAN, FRENCH**

SCIENTIFIC SKILLS  
AND COMPETENCES

- Research interests (5 Key words): plant genetic, population genomics, structural variants, pan-genomes, bioinformatics.
- Communication at national and international congresses
- Author of 18 publications on peer reviewed, international Scientific Journals
- Lecturer in the Master course Genome and Bioinformatics.
- Lecturer in several postgraduate schools in bioinformatics

AWARDS

- Plant Biology Europe 2018 (PBE2018) Support grants (2018)
- Collio Award dedicated to "Sigismondo Douglas Attems of Petzenstein" - XIV Edition – for the best PhD thesis (2017).
- SIGA Award "On Mendel's footsteps" – Francesco D'Amato – for the Agricultural Genetics, for the best publication released in 2021 on Nature Communications 12, 7240 (2021)

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 18
- TOTAL NUMBER OF CITATIONS: 397
- H-INDEX: 11

PUBLICATIONS

- Di Gaspero G., Radovic S., De Luca E., Spadotto A., Magris G., Falginella L., Cattonaro F., Marroni F. (2022). **Evaluation of sensitivity and specificity in RNA-Seq-based detection of grapevine viral pathogens.** *Journal of Virological Methods*.
- Foria S, Magris G, Jurman I, Schwoppe R, De Candido M, De Luca E, Ivanišević D, Morgante M, Di Gaspero G (2022), **Extent of wild-to-crop interspecific introgression in grapevine (*Vitis vinifera*) as a consequence of resistance breeding and implications for the crop species definition,** *Horticulture Research*, Volume 9.
- Magris G., Marroni F., D'Agaro E. et al (2022). **ddRAD-seq reveals the genetic structure and detects signals of selection in Italian brown trout.** *Genet Sel Evol* 54, 8.
- Magris G, Jurman I, Fornasiero A, Paparelli E, Schwoppe R, Marroni F, Di Gaspero G, Morgante M (2021), **The genomes of 204 *Vitis vinifera* accessions reveal the origin of European wine grapes.** *Nature Communications*, 12 (1).
- Schwoppe R, Magris G, Miculan M, Paparelli E, Celii M, Tocci A, Marroni F, Fornasiero A, De Paoli E and Morgante M (2021), **Open chromatin in grapevine marks candidate CREs and with other chromatin features correlates with gene expression.** *Plant J*, 107: 1631-1647.
- Chitarrini G, Riccadonna S, Zulini L, Vecchione A, Stefanini M, Larger S, Pindo M, Cestaro A, Franceschi P, Magris G, Foria S, Morgante M, Di Gaspero G, Vrhovse U (2020). **Two-omics data revealed commonalities and differences between Rpv12- and Rpv3-mediated resistance in grapevine.** *Scientific Reports* 10, 12193.
- Zoccola R., Beltramo C., Magris G., Peletto S., Acutis P., Bozzetta E., Radovic S., Zappulla F., Porzio A.M., Gennero M.S., Dondo A., Pasqualini C., Griglio B., Ferrari A., Ru G., Gorla M. (2021). **First detection of an Italian human-to-cat outbreak of SARS-CoV-2 Alpha variant - lineage B.1.1.7.** *One Health*
- Pinosio S, Marroni F, Zuccolo A, Vitulo N, Mariette S, Sonnante G, Aravanopoulos FA, Vidotto M, Magris G, Iezzoni A, Vendramin GG, Morgante M (2020). **A draft genome of sweet cherry (*Prunus avium* L.) reveals genome-wide and local effects of domestication.** *The Plant Journal* 103: 1420-1432.
- Mariotti R, Fornasiero A, Mousavi S, Cultrera NGM, Brizioli F, Pandolfi S, Passeri V, Rossi M, Magris G, Scalabrin S, Scaglione D, Di Gaspero G, Saumitou-Laprade P, Vernet P, Alagna F, Morgante M, Baldoni L. (2020), **Genetic Mapping of the Incompatibility Locus in Olive and Development of a Linked Sequence-Tagged Site Marker.** *Frontiers in Plant Science* 10:1760.
- Scalabrin S, Toniutti L, Di Gaspero G, Scaglione D, Magris G, Vidotto M, Pinosio S, Cattonaro F, Magni F, Jurman I, Cerutti M, Suggi Liverani F, Luciano N, Del Terra L, Pellegrino G, Ruosi M R, Vitulo N, Valle G, Pallavicini A, Graziosi G, Klein P E, Bentley N, Murray S, Solano W, Al Hakimi A, Schilling T, Montagnon C, Morgante M, Bertrand B (2020), **A single polyploidization event at the origin of the tetraploid genome of *Coffea arabica* is responsible for the extremely low genetic variation in wild and cultivated germplasm.** *Scientific Reports* 10, 4642.
- Foria S, Copetti D, Eisenmann B, Magris G, Vidotto M, Scalabrin S, Testolin R, Cipriani G, Wiedemann-Merdinoglu S, Bogs J, Di Gaspero G and Morgante M (2020), **Gene duplication and transposition of mobile elements drive evolution of the Rpv3 resistance locus in grapevine.** *The Plant Journal* 101: 529-542.
- Magris G, Di Gaspero G, Marroni F, Zenoni S, Tornielli GB, Celii M, De Paoli E, Pezzotti M, Conte F, Paci P and Morgante M (2019), **Genetic, epigenetic and genomic effects on variation of gene expression among grape varieties.** *The Plant Journal* 99: 895-909.
- Scaglione D, Pinosio S, Marroni F, Di Centa E, Fornasiero A, Magris G, Scalabrin S, Cattonaro F, Taylor G, Morgante M (2019), **Single primer enrichment technology as a tool for massive genotyping: a benchmark on black poplar and maize.** *Annals of Botany* 24 (4): 543–551.
- Foria S, Magris G, Copetti D, Coleman C, Morgante M and Di Gaspero G (2018). **InDel markers for monitoring the introgression of downy mildew resistance from wild relatives into grape varieties.** *Molecular Breeding*.
- Dal Santo S, Zenoni S, Sandri M, De Lorenzis G, Magris G, De Paoli E, Di Gaspero G, Del Fabbro C, Morgante M, Brancadoro L, Grossi D, Fasoli M, Zuccolotto P, Tornielli GB and Pezzotti M (2018). **Grapevine field experiments reveal the contribution of genotype, the influence of environment and the effect of their interaction (GxE) on berry transcriptome.** *The Plant Journal* 93: 1143-1159.

Foria S, Magris G, Morgante M and Di Gaspero G (2018). **The genetic background modulates the intensity of Rpv3-dependent downy mildew resistance in grapevine.** *Plant Breeding* 137: 220– 228.

Dell'Acqua M, Gatti DM, Pea G, Cattonaro F, Coppens F, Magris G, Hlaing AL, Aung HH, Nelissen H, Baute J, Frascaroli E, Churchill GA, Inzé D, Morgante M and Pè ME (2015). **Genetic properties of the MAGIC maize population: a new platform for high definition QTL mapping in Zea mays.** *Genome Biology*, 16 (1), 167.

Miculan M, Magris G, Jurman I, Zamboni V, Foria S, Cattonaro F, Morgante M, Di Gaspero G (2015). **Sequenziamento del genoma di varietà a diffusione locale.** Capitolo 8 – Risorse genetiche locali in Viticoltura sostenibile e valorizzazione delle risorse territoriali nella filiera vitivinicola (Viticulture and sustainable development of local resources in the wine industry). Report of VISO project.

Di Gaspero G, Magris G, Miculan M, Scalabrin S, Marroni F, Testolin R, Cattonaro F, Morgante M (2015). **DNA sequencing and genetic diversity of 51 grapevine varieties.** Italian wine grape varieties – Their Viticultural Characterization. Edited by Luigi Bavaresco and Massimo Gardiman (Gianni Sartori Editore).

Martini M, Ermacora P, Magris G, Ferrini F and Loi N (2011). **Symptom expression and 'Candidatus Phytoplasma prunorum' concentration in different Prunus species.** *Bulletin of Insectology*, 64 (Supplement): S171-S172.

## CONFERENCES

September 2022: Magris G – “The genomes of 204 *Vitis vinifera* accessions reveal the origin of European wine grapes” (LXV SIGA Congresso Annuale – On Mendel’s footsteps – From genes to fork, Piacenza)

September 2021: Magris G – “The Genomes of 204 domesticated and wild *Vitis vinifera* accessions reveal the history and the genetic ancestry of European wine grapes” (LXIV SIGA Congresso Annuale – Plant genetic innovation for food security in a climate change scenario, Online)

October 2018: Magris G – “Next Generation Sequencing. Past – present – future.” (Istituto di Genomica Applicata, Udine – Students of the University of Ljubljana)

October 2018: Magris G, Vidotto M, Pinosio S, Paparelli E, Marroni F, Zaina G, Di Gaspero G, Morgante M – ‘Characterisation of the the pan-genome of *Vitis vinifera* using Next Generation Sequencing’ (Plant Genome in a Changing Environment 2018, Wellcome Genome Campus, Hinxton (Cambridge) - UK)

June 2018: Magris G – ‘Use of NGS technologies for the identification of Single Nucleotide Polymorphisms and Structural Variants’ (corso ECM IGA - “Next Generation Diagnostics: la diagnostica ai tempi del sequenziamento di nuova generazione”)

June 2018: Magris G, Vidotto M, Pinosio S, Paparelli E, Marroni F, Zaina G, Di Gaspero G, Morgante M – ‘Characterisation of the the pan-genome of *Vitis vinifera* using Next Generation Sequencing’ (Plant Biology Europe 2018 – PBE2018, Copenhagen – Denmark)

May 2018: Magris G - ‘Gli elementi trasponibili: sono veramente DNA spazzatura?’ (Istituto Statale di Istruzione Superiore “Vincenzo Manzini” – San Daniele (UD))

April 2018: Magris G - ‘Integration site selection by retroviruses and transposable elements in eukaryotes’ (Istituto di Genomica Applicata, Udine)

September 2017: Vidotto M, Scaglione D, Magris G, Pinosio S, Zaina G, Marroni F, Di Gaspero G, Morgante M – ‘*De-novo* assembly of six grapevine cultivars reveals novel gene elements’ (SIBV-SIGA Joint Congress “Sustainability of agricultural environment: contributions of plant genetics and physiology”, Pisa)

September 2017: Paparelli E, Marroni F, Fornasiero A, Magris G, Celii M, Schwoppe R, Tocci A, Miculan M, Di Centa E, Felice N, De Paoli E, Di Gaspero G, Morgante M – ‘Analysis of allele-specific expression in three grapevine cultivars reveals pervasive and tissue-specific allelic imbalance’ (SIBV-SIGA Joint Congress “Sustainability of agricultural environment: contributions of plant genetics and physiology”, Pisa)

May 2017: Magris G - ‘Trasposoni e unità genetiche mobili all'interno del DNA’ (Istituto Statale di Istruzione Superiore “Vincenzo Manzini” – San Daniele (UD))

March 2017: Magris G - ‘**Ricostruzioni filogenetiche**: analisi del DNA per ricostruire le parentele dei vitigni storici’ (Auditorium Istituto Tecnico Agrario – Spilimbergo (UD))

September 2016: Fornasiero A, Marroni F, Magris G, Di Gaspero G, Morgante M – ‘Identification and mapping of loci controlling viability in *Vitis vinifera* self-crosses’

January 2014: ‘Characterisation of the pan-genome of *Zea mays* and *Vitis vinifera* using Next Generation Sequencing’ (Students' Workshop on Research activities of ICGEB, SISSA, UniTS and UniUD)

I authorize the processing of my personal data in accordance with Article 13 of Legislative Decree No. 196 of June 30, 2003 – “Code regarding the protection of personal data” and Article 13 of the GDPR 679/16 – “European Regulation on the protection of personal data”