Curriculum vitae

PERSONAL INFORMATION	**Matteo Dell' Acqua**

📍 (Italy)

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🌐 https://www.researchgate.net/profile/Matteo_DellAcqua

WORK EXPERIENCE

Jun 2014–Present **Postdoctoral Fellow**
Scuola Superiore Sant'Anna

Genetics and quantitative genetics on crops

EDUCATION AND TRAINING

2011–2014 **PhD in Agrobiodiversity**
Scuola Superiore Sant'Anna, Pisa (Italy)

Thesis "New strategies to QTL discovery and fine mapping: starting over from diversity"

Focus on quantitative genetics, landscape genomics, statistical models for QTL mapping

2008–2010 **MSc in Biodiversity and Evolution**
University of Milan, Milan (Italy). 110/110 cum laude

Thesis "Genetic And Ecological Study Of Themeda Triandra Along A Migratory Route Of Kenyan Nomandic Populations"

Focus on evolution, population genetics, ecology, landscape genetics

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	toefl				
French	B1	B1	B1	B1	A2
Spanish	B1	B1	A2	B1	A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Good knowledge of Unix and Windows environments. Management of a server for data analysis in the Genetics Lab at the Scuola Sant'Anna di Pisa. Current scripting in R language for data analysis

and graph production (for examples, see publications listed below). Current use of geographic information systems (GIS), GPS devices, and more generally of computer-based cartography. Good knowledge of Microsoft Office suite and Apple operating system.

ADDITIONAL INFORMATION

Honours and awards

▪ SIGA (Società Italiana di Genetica Agraria) award "Carlo Jucci" for the best scientific publication, LX SIGA congress, Sept 2016

▪ EXPO award "Innovazioni per i sistemi agro-alimentari sostenibili", Oct 2015

▪ SIGA (Società Italiana di Genetica Agraria) award for young participants, 1st International Brachypodium Congress, June 2013

▪ Award for best oral presentation, IX Incontro Dottorandi S.It.E (Società Italiana di Ecologia), April 2013

▪ Roberto Marchetti award for oral contribution, XX Congresso S.iT.E (Società Italiana di Ecologia), Sept 2010

Courses

Conduction of a 12-days course on geographic information systems (GIS) and cartography in the frame of a Senegal-Italian project on Rice agronomy. Ziguinchor, Senegal. 2012

Annual GIS course for Legambiente Lombardia (http://lombardia.legambiente.it/contenuti/territorio/legambiente-organizza-gis-tutti)

Publications

▪ Pierik ME, Dell'Acqua M, Confalonieri R, Bocchi S, Gomarasca S (2016) Designing ecological corridors in a fragmented landscape: A fuzzy approach to circuit connectivity analysis. Ecological Indicators, doi:10.1016/j.ecolind.2016.03.032

▪ Mengistu DK, Kidane YG, …, Dell'Acqua M (2016) High-density molecular characterization and association mapping in Ethiopian durum wheat landraces reveals high diversity and potential for wheat breeding. Plant Biotechnology Journal, doi:10.1111/pbi.12538

▪ Baute J, Herman D,…, Dell'Acqua M, …, Inzé D (2016) Combined large-scale phenotyping and transcriptomics in maize reveals a robust growth regulatory network. Plant physiology, doi:10.1104/pp.15.01883

▪ Dell'Acqua M, Gatti DM, Pea G, …, 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)

▪ Baute J, Herman D, Coppens F, …, Dell'Acqua M, …, Inzè D (2015) Correlation analysis of the transcriptome of growing leaves with mature leaf parameters in a maize RIL population. Genome Biology 16 (1)

▪ Dell'Acqua M, Zuccolo A, Tuna M, Gianfranceschi L, Pè ME (2014) Targeting environmental adaptation in the monocot model Brachypodium distachyon: a multi-faceted approach. BMC Genomics 15:801

▪ Dell'Acqua M, Fricano A, Gomarasca S, Caccianiga M, Piffanelli P, Bocchi S, Gianfranceschi L (2014) Genome scan of Kenyan Themeda triandra populations reveals a complex genetic structure and hints for ongoing environmental selection. South African Journal of Botany, 92: 28–38

▪ Dell'Acqua M, Gomarasca S, Porro A, Bocchi S (2013) A tropical grass resource for pasture improvement and landscape management: Themeda triandra Forssk. Grass and Forage Science 68(2), 205-215

Research-related activities	Reviewer for international journals. Among others: Heredity, Crop Science, Molecular Breeding, Molecular Ecology, BMC Plant Biology.

Mentoring activity for MSc and BSc thesis at Scuola Superiore Sant'Anna di Pisa, University of Milan, Catholic University of Piacenza.

International member of the PhD evaluation commission at Ghent University, for the thesis of Dr. Xiaohuan Sun. Title: "Unraveling the molecular mechanisms controlling the transition between cell division and cell expansion during maize leaf development", May 2016

International reviewer for a PhD project at Wageningen University, Netherlands, May 2016

Selected presentations at international congresses

Poster presentation at the fifth International Conference on Quantitative Genetics, Madison, WI, June 2016. "Quantitative exploration of Ethiopian durum wheat: joining genetics and social sciences to produce a better wheat through GWAS and a multiparental population design", by Dell'Acqua M et al.

Session invited speaker at the MonoGram conference 2016, Cambridge, UK, April 2016 (https://www.niab.com/shop/civicrm/event/info?reset=1&id=2052)

Invited speaker at the QTL cloning session at the XXIV Plant and Animal Genomics conference, San Diego, CA, January 2016. "Speeding up QTL cloning in maize: power and prospects of the MAGIC maize population", by Dell'Acqua M et al.

Poster presentation at the Gordon Research Conference in quantitative genetics, Lucca, Italy, February 2015. "Genetic Properties of the MAGIC Maize Population: a New Platform for High Definition QTL mapping in Zea mays", by Dell'Acqua M et al.