# CURRICULUM VITAE

Arianna Lovato

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**CURRENT POSITION:**
Regularly enrolled for 2010 in the 3rd year of the three year Ph.D. course in "APPLIED BIOTECHNOLOGIES"- Title: Vine growing and wine making biotechnology (Graduate School of Sciences Engineering Medicine ) at the Biotechnology Department; University of the Study of Verona.
**Research activity:**
- development of Agro-infiltration systems of *Vitis riparia* cv. Gloire de Montpellier leaves for transient expression study of gene markers and target genes;
- induction of post-transcriptional gene silencing in *Nicotiana benthamiana* and *Vitis riparia* by the administration of dsRNAs and siRNAs produced *in vitro*;
- stable transformation of *Vitis* by *Agrobacterium rhizogenes* infection with a strain transformed with hairpin construct.

**PERSONAL INFORMATION:**
**Age:** 27
**Place and date of Birth:** Isola della Scala (Verona); 29/10/1984
**Nationality:** Italian

**EDUCATION:**
**Date: 01/10/2006 -** 02/12/2008
**Name and type of organisation providing education:** University of the Study of Verona, Faculty of Mathematical, Physical and Natural Science.
**Title of qualification awarded:** Master Degree in Agro-Industrial Biotechnology
**Theses Title:** Methodological approaches for functional genomics in *Vitis* spp.
**Supervisor:** Dr. Annalisa Polverari
**Mark:** 110/110

**Date: 01/10/2003 -** 27/10/2006
**Name and type of organisation providing education:** University of the Study of Verona, Faculty of Mathematical, Physical and Natural Science.
**Title of qualification awarded:** Degree in Agro-industrial Biotechnology
**Theses Title:** Amplification, purification and sequence analysis of cDNA fragments obtained by cDNA-AFLP during the interaction between *Vitis vinifera* and *Plasmopara viticola*
**Supervisor:** Dr. Annalisa Polverari
**Mark:** 107/110

**Date: 09/1998 -** 07/07/2003
**Name and type of organisation providing education:** Ettore Stefani (Professional Institute for Agriculture and the Environment**)** Isola della Scala 37063, Via Rimembranza 53
**Title of qualification awarded:** High School Degree: Agro-technical
**Mark:** 100/100

**LANGUAGE SKILLS:**
06/10/2008: English B1 level, Athenaeum Linguistic Centre (C.L.A.)

10/02/2006: English A2 level, Athenaeum Linguistic Centre (C.L.A.)

**LABORATORY TEACHING ACTIVITY:**
Dates: 26/04/2010 - 03/06/2010
Teaching: Grapevine Defence: pathology (Degree Course in Viticulture and Oenology Science and Technology at the Faculty of Mathematical, Physical and Natural Science; University of the Study of Verona).

Dates: 27/04/2009 - 12/05/2009
Teaching: Grapevine Defence II (Degree Course in Viticulture and Oenology Science and Technology at the Faculty of Mathematical, Physical and Natural Science; University of the Study of Verona).

Dates: 30/04/2009 – 12/05/2009
Teaching: Phytopathology Biotecnology (Master Degree Course in Agro-industrial Biotechnology at the Faculty of Mathematical, Physical and Natural Science; University of the Study of Verona).

**WORK EXPERIENCE:**
**Dates :** 01/10/2008 - 31/10/2008
**Name of employer:** University of the study of Verona – Faculty of Mathematical, Physical and Natural Science.
**Place:** Laboratory of Agricultural genetics
**Main activity:** Development of experimental tools for in vitro maintenance of *Vitis vinifera* and *Vitis riparia* plants. Optimization of growing conditions for infections with *Plasmopara viticola* and *Erysiphe necator.*

**Dates:** 01/07/2002 - 31/07/2002
**Name of employer:** Zuliani Gino via Crosare 5a, 37051 Bovolone, Verona
**Type of business or sector:** plant hatchery
**Main activity:** greenhouse work

**CONFERENCE PARTICIPATION:**
53rd Annual Conference of the Italian Society of Agricultural Genetics, Torino 16-19 September 2009.

54th Annual Conference of the Italian Society of Agricultural Genetics, Matera 27- 30 September 2010.

**POSTERS:**
**A. Lovato**, L. Bortesi, S. Dal Santo, T. Pandolfini, M. Pezzotti, A. Polverari
*AGROBACTERIUM*-MEDIATED STRATEGIES FOR FUNCTIONAL GENOMICS IN *VITIS RIPARIA*
*54th Annual Conference of the Italian Society of Agricultural Genetics, Matera 27-30 September 2010*

L. Bortesi, M. Alessandrini, **A. Lovato**, M. Fasoli, S. Zenoni, V. Trope, M. Pezzotti, A. Polverari
TOWARDS A CHARACTERIZATION OF THE PR-10 GENE FAMILY IN GRAPEVINE
*10th International conference on grapevine breeding and genetics – Geneva, NY, USA – 1-5 August, 2010. Abstract submitted*

D. Cecconi, A. Milli, L. Bortesi, A. Persi, **A. Lovato**, M. Pezzotti, A. Polverari

PROTEOMIC CHARACTERIZATION OF DOWNY MILDEW-INFECTED GRAPEVINE PLANTS
*10th International conference on grapevine breeding and genetics – Geneva, NY, USA – 1-5 August, 2010. Abstract submitted*

M. Polesani, A. Zamboni, A. Ferrarini, **A. Lovato**, M. Pezzotti, M. Delledonne, A. Kortekamp, A. Polverari
ANALYSIS OF GRAPEVINE GENE EXPRESSION IN RESPONSE TO *PLASMOPARA VITICOLA* BY COMBIMATRIX MICROARRAY
*52nd Annual Conference of the Italian Society of Agricultural Genetics, Padova 14-17 September 2008*

M. Polesani, F. Desario, **A. Lovato**, J. Knorzer, N. Regier, A. Kortekamp, A. Polverari
DOWN-REGULATION OF TRASCRIPTIONAL ACTIVITY IN GRAPEVINE FOLLOWING *PLASMOPARA VITICOLA* INTERACTION
*50th Annual Conference of the Italian Society of Agricultural Genetics, Ischia 10-14 September 2006*

**PUBBLICATIONS:**
M. Polesani, L. Bortesi, A. Ferrarini, A. Zamboni, M. Fasoli, C. Zadra, **A. Lovato**, M. Pezzotti, M. Delledonne and A. Polverari
GENERAL AND SPECIES-SPECIFIC TRANSCRIPTIONAL RESPONSES TO DOWNY MILDEW INFECTION IN A SUSCEPTIBLE (*VITIS VINIFERA*) AND A RESISTANT (*V. RIPARIA*) GRAPEVINE SPECIES
*BMC Genomics 2010, **11**:117 (18 February 2010)*

**ADVISING:**
Theses co-supervisor for Master Degree in Agro-industrial Biotechnology of Silvia Sabbadini: "Using siRNAs for the induction of post-transcriptional gene silencing against genes codifying PR-10 proteins in *Vitis riparia*"; 17 December 2009; University of the Study of Verona.