***WORK EXPERIENCE***

**December 2010 – Present.**

Researcher at the University of Perugia, Department of Applied Biology.

From 2011 lecturer of "Molecular Markers", a module of M.Sc in Agricultural Biotechnology.

**January 2006 – November 2010.**

PostDoc position at the University of Perugia, Department of Applied Biology. Post-doctoral research activity was focused on plant reproductive systems, particularly on apomictic seed production in model species, expression analysis (cDNA-AFLP and qRT-PCR) of diploid and polyploid genotypes, methylation genome analysis using MSAP technique, Molecular farming, Molecular Markers for Marker Assisted Breeding and genetic diversity studies.

***EDUCATION AND TRAINING***

**20 December 2005.**

Ph.D in Plant Biology and Agro-environmental Biotechnology, University of Perugia, Department of Applied Biology. From November 2002 to October 2005 the research activity was focused on plant reproductive systems in particular on isolation and characterization of candidate genes for apomixis in *Poa pratensis* L. under the supervision of Prof. Albertini Emidio.

**May 2001.**

Professional Agronomist Qualification, University of Ancona, General biological applications from research to agricultural cultivation.

**12 December 2000.**

Degree in Agricultural Sciences and Technology (*Summa cum laude*) University of Ancona. The research activity was focused on optimization of expression of heterologous proteins in plants using different strategies of plant trasformation under the supervision of Prof. Mario Falcinelli.

***PERSONAL SKILLS***

**Communication skills**.

Self-motivated, able to work well in teams, to establish and maintain good working relations with people from different nationalities and cultural backgrounds, able to work under tight deadline.

**Organisational / managerial skills.**

Skilled at managing research and educational activities. I am supervising of several students for their research thesis preparation. I am supervising two PhD students in their research programme. I am involved in the organization of courses, teaching activities, writing scientific and technical reports, papers and grant proposals. I am a member of XXVIII Ph.D programme in Plant Biology and Agro-environmental Biotechnology.

**Job-related skills.**

DNA/RNA/protein extraction and purification, molecular cloning, plant transformation and plant tissue culture regeneration, in vitro mutagenesis, Western blot, Immunoprecipitation, affinity chromatography purification (6His), Southern blot, Northern blot, PCR, qRT-PCR, agarose and polyacrylamide gel electrophoresis, methylation genome analysis using MSAP and bisulfite-conversion methods, Molecular farming for *in planta* protein expression, Molecular Markers (AFLP and derived markers, SSR, CAPS, SNPs) for Marker Assisted Breeding and Genetic diversity studies: varietal and landraces characterization.

**Computer skills.**

Expert knowledge of Microsoft Office products. Competent in Sequencing and fragment analysis, Phylogenetic and Molecular Marker analysis softwares (NTSYS, GenAlEx, MEGA, PAST, CERVUS and GeneMapper v4.0). Basic knowledge of R software for statistical analysis. Good knowledge of Python programming language.