

Luigi Di Vietro

Date of Birth: 17/5/1986

E-mail:

luigi.divietro@gmail.com

luigi.divietro@unito.it

Telephone:

Office. 0039 0116705986

Mobile. 0039 3405546883



Education

Master Degree in Biomolecular Sciences

(Laurea Magistrale in Scienze Biomolecolari)

University of Turin (Italy)

Final Marks: 110/110 *cum laude*

October 2010

Bachelor of Science in Biology

(Laurea in Scienze Biologiche)

University of Turin (Italy)

Final Marks: 107/110

July 2008

Current position

PhD Student

Doctoral School in Natural Sciences and Innovative Technologies

PhD Program in Biology and Applied Biotechnologies - University of Turin (Italy)

January 2011 – January 2014

Research topics:

- *Functional and molecular characterization of OmFCR, a new PLAC8-containing protein from the ericoid mycorrhizal fungus Oidiodendron maius that confers cadmium resistance in yeast.*

- *Study of other PLAC8-containing proteins from different organisms to discover a possible common function*
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Work experiences

- **Master Degree Thesis**

May 2009 - September 2010

Department of Plant Biology – University of Turin (Italy)

*Functional and molecular characterization of a novel unknown protein from the ascomycetes *Oidiodendron maius* and its role in cadmium resistance.*

- **Scientific Explainer – ESOF 2010**

2-7 July 2010

EuroScience Open Forum 2010 – Turin (Italy)

www.esof2010.org

- **Stage**

July - September 2009

Faculté des sciences - Université de Fribourg (CH)

Prof. Didier Reinhardt Group

<http://tinyurl.com/c3s2eot>

*Characterization of *Petunia hybrida* NFR5-like cDNA.*

*Reverse Genetics (Transposon Display) to discover the genotype of a *Petunia hybrida* mutant with defects in mycorrhization.*

- **Part-time Student Assistant**

March-April 2009 and October 2009 – January 2010

Department of Animal and Human Biology – University of Turin

Organization and management of Molecular Cell Biology and Histology practical tutorials for first and second year bachelor students

- **Bachelor Degree Thesis**

April - July 2008

Centro di competenza per l'innovazione nel settore Agro – Ambientale

“Agrinnova” – University of Turin

Study of antagonist strain Fusarium oxysporum MSA35: role of its Volatile Organic Compounds (VOCs) in fungus/fungus long distance antagonism mechanisms in soil.

Publications

Abbà, S., Vallino, M., Daghino, S., Di Vietro, L., Borriello, R., & Perotto, S. (2011). A PLAC8-containing protein from an endomycorrhizal fungus confers cadmium resistance to yeast cells by interacting with Mlh3p. NucleicAcidsResearch. doi:10.1093/nar/gkr336

Competences and Skills

Molecular Biology: molecular cloning, qPCR, rtPCR, southern blot, forward/reverse-genetics.

Biochemistry: Protein extraction, western-blot, affinity chromatography, enzyme assays.

Cellular Biology: Animal and plant cell culture, transformation and functional assays.

Personal information

Sports: Running, playing futsal , skiing

Hobbies: Photography, XIX century Science and Technology, contemporary and post-modern literature, member of an [amateur theatre company](#).

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003