

Curriculum Vitae

Personal information

First name / Surname **Matteo Chialva**
Address Department of Life Sciences and Systems Biology, Viale Mattioli 25, 10125 Torino - ITALY
Telephone Mobile: +39 333 8136110
E-mail matteo.chialva@unito.it
Nationality Italian
Date of birth 06.05.1989
Gender Male

Desired employment / Occupational field **General Botany and plant physiology researcher
Environmental Consultant – Wild flora and ecosystems specialist**

Education and training

Actual position PhD student
Title of course Doctoral school in Biology and applied biotechnologies, XXIX cycle
Research programme RNAseq analysis of Tomato root growing in pathogen suppressive and conductive soils (Mycoplant project, work package C). Supervisor Prof. Paola Bonfante
Organisation University of Turin
Dates 2011 – 2013
Title of qualification awarded Master degree in Environmental Biology awarded on 18.10.2013 with a thesis entitled «Phenological, genetics and molecular approaches reveal that AM fungi have an impact on tomato biology» (vote 110/110 cum laude and *honour mention*)
Name and type of organisation providing education and training University of Turin
Level in national or international classification ISCED 7
Dates 2008 – 2011
Title of qualification awarded Bachelor of Science in Natural Sciences awarded on 12.10.2011 with a thesis entitled: «*Tomato mutants to decipher the relations between mycorrhization and hormonal metabolism*» (vote: 110/110 cum laude)
Name and type of organisation providing education and training University of Turin
Level in national or international classification ISCED 6
Dates 2003 – 2008
Title of qualification awarded Classical High School Diploma
Name and type of organisation providing education and training Liceo Classico G.F. Porporato, via Brignone 2, 10064 Pinerolo (TO) - ITALY

Work experience

Dates 04/2013 – 06/2013

Occupation or position held Assistant at laboratory of General Botany (Bachelor of Science in Natural Sciences, collaboration at determined time art. 13, 2012/2013)

Main activities and responsibilities Collection and preparation of fresh vegetal raw material. Attendance at course laboratory and exams.

Name and address of employer University of Turin, Department of Life Sciences and Systems Biology, referent: prof. Paola Bonfante

Type of business or sector General Botany

Dates 13/03/2013 – 22/03/2013

Occupation or position held Trainee

Main activities and responsibilities Nutritional and antioxidants analysis on tomato fruits from mycorrhizal plant

Name and address of employer University of Naples, Department of Pharmacy, referent: prof. Gian Carlo Tenore

Type of business or sector Food chemistry

Dates 04/2012 – 06/2012

Occupation or position held Assistant at laboratory of Systematics Botany (Bachelor of Science in Natural Sciences, collaboration at determined time art. 13, 2011/2012)

Main activities and responsibilities Collection of wild vegetal specimens for course laboratory.

Name and address of employer University of Turin, Department of Plant Biology, referent: Dott. Alfredo Vizzini

Type of business or sector Systematic Botany

Dates 01/2012 – 06/2013

Occupation or position held Trainee

Main activities and responsibilities Omics- technologies in the study of symbiotic interaction between fungi and plants

Name and address of employer University of Turin, Department of Plant Biology, referent: Prof. Paola Bonfante.

Type of business or sector General Botany

Dates 10/2009 – 09/2011

Occupation or position held Trainee

Main activities and responsibilities Morphological and Molecular approaches to study arbuscular mycorrhizae

Name and address of employer University of Turin, Department of Plant Biology, referent: Prof. Paola Bonfante.

Type of business or sector General Botany

Personal skills and competences

Mother tongue **Italian**

Other language

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B2	Independent user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences Good capabilities to work in a team or research group gained during University studies. Good ability to communicate also with technological means.

Organisational skills and competences Very good leadership skills and ability to organize and manage people with different needs.

Technical skills and competences

Skills acquired at University

- Morphological methods to study mycorrhizae (Trouvelot et al., 1986)
- Maintenance and mycorrhization in vitro of root organ cultures (ROCs)
- Collection and sterilization of fungal spores, preparation of mycorrhizal synthesis in vitro
- Seeds sterilization and preparation of specific growing media
- RNA extraction from plant tissues and gene expression analysis using Real-time PCR
- Biochemical and basic nutritional analysis on vegetal material (spectrophotometrical determination of pigment and phenolic compounds content, antioxidant capacity assay)
- Phenological data acquirement and data processing

- Determination of plant species and preparation of herbarium sheets; storage of floristic data
- Retrieval and processing of cartographic data

Personal skills

- Methods to study Odonata: collection, storage and data reporting

Computer skills and competences

Excellent knowledge of Windows and Linux environment. Very good knowledge of Microsoft Office Package (Word, Excel, Access, Power point, Publisher) and Open Office.
Good knowledge of GIS softwares (ArcGIS and Quantum GIS) and vector graphics software (Ink Scape).

Artistic skills and competences

Musical skills gained in the study of violin and piano acquired at the "Civico Istituto Musicale Corelli" in Pinerolo (lower licence in both instruments at "Istituto Superiore di studi musicali, Conservatorio di Musica G.F. Ghedini" of Cuneo). Expertise in Chamber music, history of music, harmony and solfeggio.

Other skills and competences

Good ability of fieldwork, trekking and excellent capacity of orienteering acquired in free time

Driving licence

B Licence

Additional information

Member of the Scientific Organization Odonata.it

PUBLICATION

Article

Chialva, M., Guglielmo L., Ercole, E., Vizzini, A., 2013. *Pinellia ternata* (Araceae), a silent inhabitant of Italian Botanical Gardens, or something more? Boll. Mus. Ist. Biol. Univ. Genova 75, 187-204.

Signature