Personal information:

Name: Chiara Agliassa
Date and place of birth: 27th July 1990, Turin, Italy
Email: chiara.agliassa@unito.it

Education:

- Master Degree in Environmental Biology, University of Turin, Italy (2012-2014), 110/110 cum Laude and special mention
- Bachelor Degree in Biological Sciences, University of Turin, Italy (2009-2012), 110/110 cum Laude

Laboratory experience:

- PhD Student in Pharmaceutical and Biomolecular Sciences, Plant Physiology Unit, Department of Life Sciences and Systems Biology, University of Turin, Italy (from November 2014).
- Master Degree Final Project: Plant Physiology Unit, Department of Life Sciences and Systems Biology, University of Turin, Italy (May 2013-October 2014)

Teaching experience:

- Teaching assistant at the Plant Physiology lab exercises 2014-2015 and 2015-2016 academic years;
- Seminar on "Flowering time control" at the Plant Physiology class (3rd year of Bachelor Degree in Biological Sciences) on November, 2015.

Research projects:

- Effects of Earth's magnetic field on plant growth, development and evolution (PhD supervisor: Prof. Massimo Emilio Maffei)

Model system: *Arabidopsis thaliana*

- Antifeedant and toxic effects of *Origanum vulgare* volatiles on *Spodoptera littoralis* (Master Degree Thesis supervisor: Dr. Andrea Occhipinti)

Model systems: *Origanum vulgare, Spodoptera littoralis*

Personal skills

- *Languages:*

Mother tongue: Italian

Other language (s): English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B2	B2	B2

- Job-related skills:

Volatile organic compound (VOC) analysis (VOC extraction from plant tissues and insect frass, GC-MS/GC-FID of terpenoids);
Insect behavioral assays (leaf disk choice assay, y-tube test);
Nucleic acid analysis from both insect and plant tissues [DNA-RNA isolation, standard PCR, RT-PCR, qPCR, gel electrophoresis and capillary gel electrophoresis (Agilent 2100 Bioanalyzer), Microarray];
Antioxidant enzyme activity on both insect and plant tissues (protein extraction, spectrophotometric antioxidant enzyme assays);
Magnetic field compensation chamber manual control.

Oral presentations:

Anti-nutritional and toxic effects of *Origanum vulgare* volatiles on *Spodoptera littoralis*, Bertinoro, Plant Biology Winter School, February 26-28 2015

Poster presentations:

Agliassa, C., Bertea, C.M., Rodgers, C.T., Maffei, M.E. Effects of geomagnetic field reversal on *Arabidopsis thaliana* development and gene expression, Milan, Joint Congress SIBV-SIGA, September 8-11, 2015

Awards:

- Award for the best Master Degree Thesis in Environmental Biology of 2013-2014 academic year;
- Award for the best young researcher's poster at Joint Congress SIBV-SIGA, Milan, September 8-11, 2015.

Publications:

- Bertea, C. M., Narayana, R., **Agliassa, C**., Rodgers, C. T., & Maffei, M. E. (2015). Geomagnetic Field (Gmf) and Plant Evolution: Investigating the Effects of Gmf Reversal on Arabidopsis thaliana Development and Gene Expression.*Journal of visualized experiments: JoVE*, (105)
- **Agliassa, C.,** Bertea, C. M., Rodgers, C. T., & Maffei, M. E. (2016) Reduction of the geomagnetic field delays Arabidopsis thaliana flowering time through down-regulation of FT, FLC and gibberellin pathway genes, *Journal of Plant Physiology,* submitted