

Personal Info

Name: Lorenzo Ascari

Date of birth: 11 September 1987

Address: ****

Mobile: ****

Email: lorenzo.ascari@unito.it



Experience

October 2016 – Today

University of Turin, Italy

PhD on hazelnut reproductive biology

Partnership with Ferrero Trading Lux S.A.

- Impedance flow cytometry for the analysis of hazelnut pollen viability and sterility in Italy, Chile and South Africa
- Development of image based methodologies for the qualitative analysis of pollen
- Modelling of pollen emission spectra for the forecasting of hazelnut fruit production
- Development of methods for the evaluation of hazelnut pollen germinability
- Monitoring of plant phenology and airborne pollen concentrations in hazelnut plantations in Italy, Chile, Georgia, South Africa and France.
- Preliminary evaluation of artificial pollination efficiency on hazelnut (Piedmont, Italy)

September 2018– November 2018

*Broad Institute of Harvard and MIT,
Boston, Massachusetts, USA*

Visiting student

- Cooperation with a team of leading researchers working on image based solutions for the automation of aerobiology

July 2018

*Fruticola Agrichile S.A., Río Claro,
Regione del Maule, Chile*

Visiting researcher

- Pollen sampling and analysis with impedance flow cytometry in hazelnut plantations of the central region of Chile
- Support and training for local agronomists on hazelnut pollen analysis techniques

July 2016 and 2017

*Agrisudafrica LTD, Springvalley
Kwazulu Natal, South Africa*

Visiting researcher

- Development of a time-saving method for pollen viability evaluation through bright field microscopy
- Support to local agronomists for artificial pollination on hazelnut at a small and medium scale

February 2015-September 2016

University of Turin, Italy

Research Scholarship on hazelnut reproductive biology

Partnership with Ferrero Trading Lux S.A.

- Collection of agro-ecological data for the calibration of hazelnut growth modelling

April 2013-July 2013

AGRI 2000 NET SRL, Castelmaggiore (BO), Italy

Stage area regulatory

- Biological dossier drafting for the registration of agrochemicals according to EU regulation

Education

Master Degree Enviromental Biology

University of Turin, Italy

Bachelor Degree in Biological Science

Alma Mater studiorum, Bologna, Italy

High school diploma in foreign languages

Modena, Italy

Skills

Languages: Italian (Mothertongue), English (Intermediate), French (Elementary)

IT: R, ImageJ, Ilastik, CellProfiler, CellProfiler Analyst, Advanced Cell Classifier, Microsoft Office (Excel, Word, Power Point)

Interests

Meteorology, technology, travelling

I hereby give consent to the processing of personal data as per art. 13 D. Lgs. 196/2003 and art. 13 GDPR 679/16.