# LuciaPiro

PhD student

## Personal information

*Day of birth*: 26-12-96
*Driving licence*: B

## Contact

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Obstgartenstrasse 22,
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## Languages

Italian (mother tongue)
English (IELTS C1)

## Software

Ms. Office, Python, R, LaTex

## Skills

Science enthusiast, meticulous planner, lab work experienced

## Interests

Travelling and cultures, art, cooking and nutrition, mushrooms picking

## Education

Sep'18 – Aug'20 **MSc Plant Biotechnology** — Wageningen University and Research
sp. Molecular Plant Breeding and Phatology
Final mark: "cum laude"
*Thesis title:* Genetic analysis of accumulation of carotenoid-derived volatile compounds in tomato fruit
*Achivements:* GC-MS, HPLC-MS, qPCR, QTL mapping, data visualization
Thesis grade: 9/10

Oct'15 – Jul'18 **Bachelor's degree in Biotechnology** — Università degli Studi di Milano
Final mark: 110 cum laude/110
*Thesis title:* Identification of stomata-specific genes in *Arabidopsis thaliana*
*Achivements:* genotyping, qPCR, GUS assays

Sep'10 – Jul'15 **Scientific Highschool** — Liceo Scientifico Marie Curie Tradate (VA)

### Relevant academical activities

Mar – Jul'19 **Academic Consultancy Training** — Wageningen University and Research
*Report title: Exploring the potential of nature based products from orchids*
In this 8-week project I worked as group manager with a multicultural team of 6 students to research the use of orchids' molecules in the cosmetics and food industry.

Dec'18 **Group project in Phytopathology** — Wageningen University and Research
*Report title: Phosphorylation of specific residues of the kinase domain of SOBIR1 is essential for its role in immune signalling*
A 2-week project aimed to test *Cladosporium fulvum* resistance mechanisms in *Arabidopsis thaliana*

## Work experience

Oct'20 – now **PhD Student** — ETH Zürich, Department of Enviromental System Science
*Project title: Altering microbe-induced stomatal closure to restrict food-borne diseases of leafy greens*
My PhD project aims to unravel the role of sugars and sugar transport in guard cells upon *Salmonella enterica* infection and internalization.

Feb – Aug'20 **Global Agriculture Intern** — McCain Food Limited, Canada
*Project title: Survey of Potato Mop Top Virus (PMTV) in Manitoba (Canada).*
I was admitted to the McCain internship program where I experienced six months understanding and solving *PMTV* spread in the Manitoba praries