

SIMON MASSON

16/09/1999

French

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Education



2023-2022. UNITO, Department of Life Sciences and Systems Biology ; Turin (Italy)
PhD (ongoing) "Tracking biodiversity of plant-microbe interactions in urban environments"
Sampling, Molecular biology, Bioinformatic

2019-2022 National Agronomics and Food Industry Top School (ENSAIA) ; Vandœuvre-lès-Nancy ; Agronomy ;
Biotechnologies (Plant Breeding) Speciality
+ Master AETPF (Interaction Plant and Environment) in parallel
Molecular biology, Microbiology, In vitro plant culture, Bioinformatic, Experimental design, Statistics

2017-2019 Preparatory Class for Top Leading Schools ; Fontainebleau ; François 1st High School
Biology, Chemistry, Physics, Maths

Experiences



2022 UNITO, Department of Life Sciences and Systems Biology ; Turin (Italy)
Master internship "Responses to arbuscular mycorrhizal fungi in the tomato wild relative *Solanum pennellii*"
Bibliography, Preparation of pot systems, Evaluation of plant biometric parameters, Evaluation of morphological and molecular mycorrhizal colonization, Statistics



2021 ENSAIA ; Agronomy and Environment Laboratory (LAE) ; Vandœuvre-lès-Nancy
Project at school "Endophytic bacteria in Vetiver as a biocontrol solution against *F. graminearum*"
Bibliography, PCR reaction, Cocultures in Petri dish, Extraction of metabolites



2021 ENZA ZADEN France ; Allonnes
Internship (2 months): *DNA extraction, LMV ELISA tests, Posters to explain technics, Optimisation of a spore counting protocol in an inoculum of B. lactucae*

2019 : BIOTEK Agriculture ; Saint-Pouange
Harvest helper (1 month): Experimental measures of multiple cereals (Thousand-Kernel-Weight, humidity, protein rate...)





Skills



Techniques

- **Microbiology**: liquid cultures and solid on Petri dish
- **In vitro plant culture**
- **Molecular biology**: nucleic acid extraction, PCR reaction, migrations on gels, immunodetection (Western Blot, SDS-PAGE, ELISA), purification
- **Statistics** with R Studio
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Languages

-  French, mother tongue
-  English, advanced level, B2 (TOEIC)
-  German, medium level, B1 (Goethe)
-  Italian, basic level

Personal

- Office Pack
- Organisation and autonomous or teamwork
- Communications (writing in French/English, oral presentations, lessons preparation)
- Driving licence obtained in 2017

Activities



- Volleyball (coach of the school team between 2020-2021)
- Travels with School to improve my mastery of languages (Germany 3 times, Sweden)
- Sensitive to environmental issues (Community Supported Agriculture, intervention in a primary school)