

# Héloïse Ancel

Plant Sciences Master Student

Plant sciences passionate with a specific interest for plant microbiota interactions and their outcomes.



heloise.ancel@orange.fr



Lyon, France

## Work Experiences

### Research Assistant

Feb. to Dec 2023

#### Modulation of *Brassica napus* immune system by its microbiota

French National Research Institute for Agriculture, Food and Environment (INRAE), Le Rheu (35)

- Quantification of phytohormones (LC-MS), ROS detection (L-012), plant phenotyping
- *Brassica napus* culture: hydroponic, agar plates and gnotobiotic systems
- Culture and inoculation of microorganisms
- Biostatistics (R), Image analysis (Image J)

Supervisors: Nathan Vannier, Christophe Mougel

### Activity Leader & Assistant Director in camps' holidays

(holidays/weekends 2017-2023)

- Team management & contact with families.
- Set up of activities (circus, surf, hiking, bike, games, ski, bivouac ...)

## Skills

- ❖ Softwares: R, Image J, geneious, zotero
- ❖ Written skills: bibliographic review, articles
- ❖ Oral: journal club
- ❖ Teamwork, Curious, Dynamic

## Languages

French (native)  
English (fluent)

## Interests

Outdoor Sports (hike, ski, bike, trek, run)  
Nature, Plants (Botany and gardening)

## Internships

Sep. to Dec 2022

### Research Intern

#### Influence of mycorrhizae on ecological functions of Asteraceae plants

Yves Rocher and Ecobio laboratory (CNRS), Rennes (35)

- Monitoring of plant growth, measure of functional traits (*Arnica chamissonis*, *Calendula officinalis*, *Centaurea cyanus*, *Matricaria chamomilla*)
- qPCR: analysis of primers efficiency
- Biostatistics (R)

Supervisors: Cem Turanoglu, Cendrine Mony and Philippe Vandenkoornhuysse

Jan. to March 2022

### Research Intern

#### *Phaedactylum tricornotum* adaptation to UV light

The Cell and Plant Physiology Laboratory, Centre Energy Atomic (CEA), Grenoble (38)

- ADN & ARN extraction, qRT-PCR
- *P. Tricornotum* culture and measure of photosynthetic activity
- Analysis (Excel, CFX Biorad)

Supervisor: Florence Courtois

## Education

### Double master's degree – Plant Sciences M1 with honors – 2022

University Grenoble Alpes & Università Degli Studi di Milano (France – Italy) – 2022 - Present

### Bachelor's degree in health sciences With honors – 2021

University Clermont Auvergne, France