# Léopold Guyot

Bioinformatics student

- 13 september 2002
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## About Me

Deeply interested in both bioinformatics research and science education, I developed my expertise through sustained research experiences in proteomics at the de Duve Institute (CBIO lab) and a master's thesis in the field. Alongside this, I have cultivated strong teaching skills by mentoring students in lab work, statistics, and R programming, as well as leading nature education workshops. I am committed to combining research with effective science communication and student support.

## Languages

| | | |
|---|---|---|
| English | | **B2** |
| French | | **C2** |

## Hard Skills

- Python
- R
- Excel
- PowerPoint
- Latex

## Soft Skills

- Motivated
- Teamwork
- Problem solving

# Work Experience

| July-August 2024 | **Internship in the statOmics lab in single-cell proteomics** | statOmics - UGent |
|---|---|---|
| | Worked on mixed model applied to single-cell proteomics | |
| July 2023 | **Internship in the CBIO lab in single-cell proteomics** | CBIO - DeDuve institute |
| | Worked on benchmarking dimensional reduction methods in the context of SCP data (High level of missing data) | |
| 2022-2023 | **Tutor in R and statistics university courses** | UCLouvain |
| | Assisting the Professor during the courses | |
| 2022-2023 | **Tutor in Ecology university courses** | UCLouvain |
| | Helping students during laboratory sessions | |
| September 2022 | **Welcome student for first bachelor student** | UCLouvain |
| | Running an introductory microscopy workshop | |
| 2019 | **Contrat Rivière Dyle-Gette** | SPW |
| | Control of aquatic invasive species | |

# Education

| 2023 – now | **Master in Bioinformatics** | Université Libre de Bruxelles |
|---|---|---|
| 2020 – 2023 | **Bachelor in Biology** | UCLouvain |
| 2014 – 2020 | **Secondary School** | Saint Jean-Baptiste (Wavre) |
| | Sciences and Math options | |
| 2008 – 2014 | **Primary School** | Ecole du centre de Rixensart |

# Side Projects

**scpGUI**
scpGUI is an application that I am currently building in collaboration with the CBIO lab. It will serve as a graphical interface of the Bioconductor package "scp" developed by Christophe Vanderaa and Laurent Gatto. This app will be submitted on Bioconductor in the form of a package.

**Atlas of Orthoptera of Famennes**
"Jeunes et Nature" is a non-profitable organisation that is currently doing a census of orthoptera in Famennes. I am part of this project, contributing on the field, writing and doing spatial and statistical data analysis in R.

**Volunteer Instructor**
I lead nature education workshops (ornithology, botany, entomology) at "Jeunes et Nature" for youth aged 16–30, blending theory and fieldwork. This role has strengthened my skills in group management and science communication.

# Interests

| | |
|---|---|
| **Technology** | Linux/Unix and open source projects |
| **Sports** | Bike and Running |
| **Music** | Guitar and Bass |
| **Other** | Naturalism, Board games |