



Nolwenn GUÉGUEN



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LinkedIn : nolwenn-gueguen

ENGINEER-PHd STUDENT
Passionate about research in
plant lipid metabolism

PROFESSIONAL EXPERIENCE

Life Science modeler

iMEAN, Toulouse, France | Feb 2023 – Today

Modelling of microorganisms metabolic network and behaviour predictions depending on the environment

Research engineer

INRAE - TWB, Toulouse, France | Oct 2022 – Jan 2023

Participation to the PHAEOMAbs project: Improvement of monoclonal antibody yield in the microalgae *Phaeodactylum tricornutum*

PhD student in biology

CEA - LPCV, Grenoble, France | Nov 2018 – May 2022

Characterisation of the monogalactosyldiacylglycerol synthases in the microalgae *Phaeodactylum tricornutum*

Laboratory engineer

INRAE - LIPME, Castanet-Tolosan, France | Oct 2016 – Sept 2018

Role of the transcription factor MYB30 in seed development and protection in *Arabidopsis thaliana*

EDUCATION

Doctorate in molecular biology

University Grenoble Alpes, Grenoble | Nov 2018 – May 2022

Engineer in Biochemical Engineering

INSA Toulouse | 2011 – 2016

Master2 Research Plant Biosciences

University Paul Sabatier | 2015 – 2016

Baccalaureate S, SVT - with distinction

Lycée Renée Cassin, Montfort sur Meu | 2011

SCIENTIFIC AND TECHNICAL SKILLS

- Molecular Biology
- Genetic Engineering
- Microalgae cultivation, initiation to PBR
- Microalgal metabolism and physiology
- DNA, RNA, lipid, and protein extraction
- GC-FID
- Lipid metabolism
- CRISPR-Cas9, biolistic transformation

Software:

- Image J
- PYMOL
- Matlab
- R studio
- MegaX
- Photoshop
- Microsoft Office

LANGUAGES

French:

Mother tongue

English:

Fluent (read, written, spoken)

TOEIC: 920/990

Spanish:

Fluent (read, written, spoken)

Portuguese and Italian:

Elementary

INTERPERSONAL SKILLS

- **Oral communication in English**
 - **Presentation at international conferences**
- **Written communication in English**
 - **Writing of scientific articles**
 - **Posters**
- **Teaching**
 - **Supervising of M1 intern**
 - **Practical work of Chemistry at INSA Toulouse**
- **Project management**
- **Team work**
- **Adaptable**
- **Autonomous**
- **Organised**
- **Creative**

HOBBIES



Karate (black belt), gym



Painting, digital painting, pyrography



Accordion