



CYRIELLE DEBEIR

PHD STUDENT IN MICROBIOLOGY

CONTACT

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EDUCATION

2023-Present

IFP ENERGIES NOUVELLES

- PhD in anaerobic microbiology

2018-2023

UTC

- Engineering degree : biological engineering
- Bioproducts Design and Innovation program

SKILLS

- Project management
- Communication skills
- Microbiology (both aerobic and anaerobic)
- Metabolic engineering, cell culture and bioreactor management
- Molecular biology
- Informatics : Office suite, LaTeX (notions)

LANGUAGES

- French (Native language)
- English (Fluent, C1)
- Spanish (Intermediate, B2/C1)

WORK EXPERIENCE

IFP Energies Nouvelles

2023-PRESENT

PhD in microbiology

- Improving *Clostridium acetobutylicum* fermentation using coculture approaches
- Anaerobic microbiology, batch fermentations, bioreactor operation, molecular biology, cocultures
- Project management and bibliography

DNA Script

2023

End of study internship / Junior engineer

- Improvement of recombinant protein solubility through genetic engineering and optimization of fermentation parameters
- Golden gate cloning, minibioreactor operation, flask expression of recombinant protein

UMR 1292 (INSERM, CEA Grenoble)

2021

Engineer assistant internship (6 months)

- Understanding the implications of ALK1 and BMPRII endothelial receptors in the context of hereditary hemorrhagic telangiectasia and pulmonary hypertension (*in vivo* and *in vitro* studies)
- Animal experimentation, histology, RT qPCR, cell-culture, immunofluorescence, immunohistochemistry, flow cytometry

ACADEMIC PROJECTS

Project with a professional

2022

Microbiology

- Assisting a professional in launching an innovative cosmetic product
- Studying the impact of conditioning on the viability of bacterial strains

Project with a researcher

2021

Plant physiology / Molecular biology

- Studying saline stress resistance of a mutant of *Arabidopsis thaliana*
- RNA extractions, RT qPCR

LEASURES/ASSOCIATIVE INVOLVMENT

- **Arts** : One year of professional training as a comedian at Studio JLMB, comedian in several play/musicals, vocal coaching, stage directing, singing, dancing, theater improvisation, writing plays
- **Sports** : Competitive volley-ball, bouldering, long distance hiking, running