

## Internship position in biotechnology – 6 months - engineer/master

### Implementation of a coenzyme-dependent biocatalysis.

URD Agro-Biotechnologies Industrielles (ABI) – AgroParisTech  
CEBB - 3, rue des Rouges Terres - 51 110 Pomacle

### Laboratory

The Industrial Agro-Biotechnologies Research and Development Unit from AgroParisTech (URD ABI) has for primary vocation to develop new sustainable biotechnological processes (enzymatic, green chemistry) from bio-based building blocks and to demonstrate their feasibility at the laboratory scale. The research activities currently underway within the laboratory deal with the development of higher added value molecules (pharmaceutical, cosmetical, ...) from biorefinery by-products or from microorganisms.

### Context and objectives:

The CoA Initiative project aims to scale-up an innovative process for the biocatalytic production and purification of high molecular weight adenosine-based coenzymes. Those coenzymes could be used in biocatalytic processes for the production of natural molecules that have low bioavailability. Within the framework of this project funded by the SATT Paris-Saclay, we are hiring an intern that will join the URD ABI for 6 months. The intern will be entrusted with the implementation of one coenzyme-dependent biocatalysis.

The internship objectives are:

- Production of recombinant enzymes of interest
- Proof of concept at laboratory scale for the biocatalysis
- Characterization of products & co-products through analytical chemistry
- Optimization & scale-up of the process
- According to your interests and specialization, you may conduct an economical assessment of the process, taking part of the quality aspects of the project or any relevant study of the process

### Profile of the candidate:

The intern is in its last year of engineering school or master in biotechnology or related field. The internship will last 6 months and start in February ideally.

The topic of the internship is multidisciplinary, and give the opportunity to bring personal ideas. The intern will be part of a dynamic and friendly team, surrounded by other interns and people who are always supportive. Here, the proactivity and curiosity of the intern will be his greatest assets. (The site is located in Pomacle (51) and accessible by public transportation from Reims or by car.)

To apply, please send a CV and a cover letter to:

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