



Internship position in Green Chemistry - 6 months

Development and optimization of a process to produce lipophilic pigments

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

Located in the European Center of Biotechnology & Bioeconomy (CEBB, Pomacle, France), the Industrial Agro-Biotechnologies Research and Development Unit from AgroParisTech (aka URD ABI) has for primary vocation to develop new 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 both the development of new materials/bio-based polymers from renewable building blocks, and the production of higher added value molecules (e.g., cosmetic and pharmaceutical industries) from biorefinery by-products.

Within the framework of a project funded by European funds, we are hiring an intern that will join the URD ABI team and will be entrusted with the development and optimization of a process to produce lipophilic pigments. As part of this project, the recruited intern will have to:

- Use green chemistry & enzymatic catalysis to produce lipophilic pigments;
- Extract the pigments into lipophilic matrices;
- Optimize the process using Design of Experiment methodology;

Profile:

The candidate should be Master level student (M2) or equivalent in the field of chemistry or biochemistry. The candidate will have to demonstrate a scientific openness to collaborate with all the partners of the project as well as an appetite for transdisciplinary projects.

Contact : Dr Laura Pascual laura.pascual@agroparistech.fr

<https://urd-abi-agroparistech.com>