



Post-doctoral position in Biochemistry - 18 months

Development and optimization of a process to produce lipophilic blue pigments

URD Industrial Agro-Biotechnologies (URD ABI) - AgroParisTech
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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 the BluePIC project funded by European funds, we are hiring a post-doc that will join the URD ABI team and will be entrusted with the development and optimization of a process to produce lipophilic blue pigments. As part of this project, the recruited research engineer will have to:

- Use green chemistry & enzymatic catalysis to produce lipophilic blue pigments;
- Extract the pigments into lipophilic matrices;
- Optimize the process using Design of Experiment methodology;
- Scale-up the process from flask to bioreactor;
- Write reports and publications;
- Be fluent in scientific English;
- Present results at conferences...

Profile:

The candidate should have a Ph.D. degree in the field of chemistry or biochemistry, as well as skills in analytical chemistry and in downstream processing. Notion in Design of Experiments and/or chemical engineering (e.g. reaction scale-up) would be a plus. 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.

Position required as soon as possible for a period of 18 months.

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