

Two three-year Post-doctoral positions in enzyme engineering / Toulouse, France

Two Post-doctoral positions are available at the Biosystems and Process Engineering Laboratory (**LISBP**) located on the grounds of the INSA-Toulouse, France. The laboratory depends of the French National Centre for Scientific Research (CNRS, UMR INSA-CNRS 5504) and the French National Institute for Agricultural Research (INRA, UMR INSA-INRA 792).

Job description

The successful candidates will be part of an ambitious research project funded by the **French Environment & Energy Management Agency (ADEME)**, carried out in collaboration with TWB and involving several partners, both academics and industrials. The project aims at developing new enzyme-based technologies to produce biosourced molecules to replace petro-based chemicals widely used in industry. Two distinct enzymatic routes, taken respectively in charge by each of the recruited candidates, will be targeted in the project.

The candidates will drive enzyme engineering programs using state-of-the-art protein engineering techniques (rational or random evolution). They will be in charge of the development of screening protocols, construction and screening of enzyme libraries designed by molecular modelling techniques. They will work in close interaction with each other. They will benefit from a multidisciplinary environment with access to High-Throughput Screening equipment. They will also have frequent and strong interactions with other scientists involved in computational enzyme design and modelling.

The candidates will be key players in the project as they will ensure a tight link between the different academic and industrial partners. They will be based at LISBP, Toulouse (31).

Qualifications

- PhD in Molecular Biology, Biochemistry, Biochemical engineering or related field.
- Experience with enzyme engineering and HT screening as well as computational biology notions would be a plus.
- Strong communication and organizational skills and enjoy working in a team-oriented environment.
- Good English skills are required and notions of French would be a plus.

The positions are available starting in **September 2019 and for a duration of up to three years.**

Applicants should send as soon as possible CV, summary of previous research and contact addresses of two references to:

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