



Toulouse Biotechnology Institute
Bio & Chemical Engineering

A two-year engineer position in enzyme engineering @ TBI, Toulouse, France

An engineer position is available at **Toulouse Biotechnology Institute (TBI)** located on the grounds of INSA-Toulouse, France. The laboratory is affiliated to both the French National Centre for Scientific Research (CNRS, UMR INSA-CNRS 5504) and the French National Institute for Agricultural Research (INRAE, UMR INSA-INRAE 792). TBI carries out research in catalysis and enzyme engineering, systemic and synthetic biology, fermentation, process engineering and eco design.

Job description

The successful candidate 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.

The candidate will work in close collaboration with other project members **to carry out enzyme engineering, construct enzyme libraries and develop screening methods to identify improved enzyme biocatalysts. He/She will also be in charge of in-depth characterization of identified enzyme hits.**

The candidate will benefit from a multidisciplinary environment with access to High-Throughput Screening and analytical equipment (colony picker, liquid handling stations, microfluidic system, analytical facility, etc...). He/She will join a team of scientists involved in enzyme engineering and computational enzyme design and modelling, and will interact on a regular basis with the different academic and industrial partners involved in the project. He/she will be based at TBI, Toulouse (31), France.

Qualifications

- Master degree or PhD in Molecular Biology, Biochemistry, Biochemical engineering or related field.
- Experience with high-throughput screening, engineering and characterization of enzymes.
- Experience with analytics (LC, MS, ...) and structural biology 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 position is available starting in November 2025 and for a duration of up to two years (with possibility of renewal).

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

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