A two-year Post-doctoral position in Biochemistry/Enzyme engineering @TBI, Toulouse, France

A Post-doctoral position is available at the Toulouse Biotechnology Institute (TBI, ex-LISBP) located on the grounds of the INSA-Toulouse (France). The laboratory is affiliated to 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 candidate will be part of an ambitious research project called BIOIMPULSE, 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 two other Post-Docs of the project to carry out enzyme engineering programs using state-of-the-art protein engineering techniques (rational or random evolution). He/She will be involved in the development of screening protocols, construction and screening of enzyme libraries designed by molecular modelling techniques and biochemical and analytical characterization. He/she will benefit from a multidisciplinary environment with access to High-Throughput Screening and analytical equipment. He/she will also have frequent and strong interactions with other scientists involved in computational enzyme design and modelling.

The candidate will be a key player in the project as he/she will ensure a tight link between the different academic and industrial partners. He/she will be based at TBI, Toulouse (31), France.

Qualifications

- PhD in Biochemistry, Biochemical engineering, Molecular Biology, or related field.
- Experience with chromatography (LC-MS), enzyme engineering and HT screening (or small molecule 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 position is available starting in September 2020 and for a duration of up to two years.

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

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