A one-year engineer position in enzyme engineering / Toulouse, France

An engineer position is available at Toulouse Biotechnology Institute (TBI) located on the grounds of INSA-Toulouse, France. The laboratory is accredited by both the CNRS and INRAE and carries out research in catalysis and enzyme engineering, systemic and synthetic biology, fermentation, process engineering and eco design.

Job description

The successful candidate will integrate the PICT-ICEO platform from the Biocatalysis department, and more specifically the research project BIOIMPULSE. Funded by the ‘Agence de la Transition Ecologique’ (ADEME), BioImpulse aims at creating a new adhesive resin free of substances of very high concern (SVHC), using enzyme-based technologies to produce biosourced molecules to replace petro-based chemicals widely used in industry.

The successful candidate will be in charge of creating enzyme libraries and developing screening methods to identify improved enzyme biocatalysts. Screening campaigns will concern at least two different enzymes, and he/she will also be in charge of the in depth characterization of identified hits. He/She 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 three other 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.

Qualifications

- Master degree or PhD in Molecular Biology, Biochemistry, Biochemical engineering or related field.
- Experience with HT screening, enzyme engineering and enzyme characterization.
- Strong communication and organizational skills, with a clear motivation to 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 April 2021 and for a duration of one year.

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

Sophie Bozonnet: sophie.bozonnet@insa-toulouse.fr
Magali Remaud-Siméon: magali.remaud@insa-toulouse.fr
Isabelle André: isabelle.andre@insa-toulouse.fr