



JOB VACANCY

One year Engineer CONTRACT

A one year contract, with the possibility of renewal upon satisfactory performance, is immediately available at the Pathway Evolution and Engineering of Prokaryotes research team from the Laboratoire d'Ingénierie des Systèmes Biologiques et des Procédés (LISBP), located at the department of Biochemical Engineering of the National Institute of Applied Sciences (INSA) in Toulouse, France.

The research team is headed by Isabelle Meynial-Salles, and dedicates its fundamental research to i) the exhaustive analysis of bacterial central metabolism to improve its knowledge and to identify its regulatory mechanisms and ii) the adaptive evolution of bacteria under metabolic constraints.

The present project is focused on i) the *in vivo* evolution of an *E. coli* strain recently engineered for the production of chemicals at high yield, to select more efficient evolved bacteria and ii) the high cell density continuous culture of the efficient *E. coli* strain connected to an extraction method.

The qualified candidate must have an engineer degree with an education background in biochemical engineering, biotechnology and a laboratory working experience. You must have experiences with microbiology (e.g. cultivation, sterile techniques), fermentation (batch, chemostat and cell recycle cultures), analytical methods (HPLC) and extraction downstream techniques (e. g. pervaporation).

Candidate should have willingness to learn new techniques, team spirit, networking ability, excellent communication and writing skills. He (She) should be organised, enthusiast for research and be fluent in oral and writing English. Finally, abilities to work within a context of contract (short period objectives and partner collaboration) would be an important asset. You must also be able work independently, prioritize and organize your own work with minimal supervision, in response to deadlines.

If you are interested in this one year position, please send i) your complete updated curriculum vitae ii) a motivation letter and iii) reference from at least one former supervisors and/or lecturers to the Dr. Isabelle Meynial-Salles: meynial@insa-toulouse.fr who is the team leader and will be project supervisor.

Shortlisting and interviews will take place fast.