

A Post-doctoral position in molecular modelling/Computational Protein Design available at LISBP-INSA, CNRS, INRA Toulouse, France

A Post-doctoral position is available in molecular modelling (Biocomputing) at the Biosystems and Process Engineering Laboratory (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).

The research project will be funded by the French National Research Agency (ANR) and will aim to develop enzymatic tools to defeat roadblocks in enteric vaccine design within a collaboration with the Pasteur Institute, Paris (Chemistry of Biomolecules Unit). The candidate will be in charge of conducting molecular modelling studies and applying state-of-the-art computational protein design techniques to guide the engineering of glycoenzymes to achieve the desired catalytic properties. This work will be carried out in close interaction with experimentalists in enzyme engineering and chemists.

We are looking for a highly motivated scientist who has research background and expertise in a number of areas of Computational Biology, including protein modelling, molecular docking, molecular dynamics simulations and experience in protein design would be a great plus. A biology background and a sound understanding of protein modelling and protein-ligand interactions are required. Familiarity with UNIX and Linux is expected.

The perspective researcher will have the opportunity to work in a diverse and rich multidisciplinary environment, surrounded by both computational and experimental experts in the field of enzyme engineering. Applicants should enjoy teamwork and have very good communication skills. Good English skills are required and notions of French would be a plus.

The position is available from January 1st, 2016 and for duration of one year (a second year could be possible upon funding).

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

Isabelle André, Research Director CNRS: isabelle.andre@insa-toulouse.fr

Laboratory address :

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