

Post-doctoral position at CEA in biocatalysis

12 monts post-doct

Metabolic Genomics, Genoscope, CEA, Univ Evry, Université Paris-Saclay, Evry France

Job description

A post-doctoral position in biocatalysis is available at the Metabolic Genomics laboratory in Evry (France) within the frame of a collaborative project funded by ESSILOR INTERNATIONAL, the market leader in ophthalmic lenses. This study is part of a sustainable development project. This position is a full-term, fixed-term position for 12 months, possibly extendable to 18 months, preferably starting in February 2021.

One of the major research topics of the group is the identification among biodiversity of new biocatalysts for synthetic applications. This implies mining genomic databases, cloning and overexpressing proteins, screening them for the studied activity and characterizing the hits.

The candidate will be in charge of the search of enzymes for the target reactions, their production, the screening against the specified substrates and the identification of the obtained products in close collaboration with the cloning and screening platform of the group. The implementation of screening assays by spectrophotometry, UHPLC and/or GC will be an important part of the work.

Professional knowledge and skills

Applicants should hold a PhD in biocatalysis or biotechnology or related fields, with strong background in gene cloning, recombinant enzyme production, biochemical characterization, and analytical chemistry for enzymatic screening assays, and experience in organic chemistry. Experience in mining of protein databases is expected. Experience in structure-function relationship analysis will be a plus but is not mandatory. The candidate should be self-driven and able to take independent initiative while being enthusiastic about working in an interdisciplinary team. Excellent skills in oral and written English are required.

The candidate must submit the application including CV, list of publications, statement of research interests, and contact references to Anne Zaparucha anne.zaparucha@genoscope.cns.fr