



**Chercheur post-doctorant en Normandie /
Post-Doctoral Position in Normandie,
Laboratoire Glyco-MEV EA 4358, Université de Rouen Normandie
Starting on September, 1st, 2021**

Context :

With the increasing prevalence of chronic diseases such as cancers, autoimmune and infectious diseases like COVID-19, the need for antibody-based treatments is increasing. These drugs are currently produced using mammalian cells as biofactories, thus leading to high production costs. Therefore, it is essential to develop alternative bioproduction systems that allow to decrease the production costs of the antibodies, making them more accessible. Recently, microalgae have been successfully used to produce functional antibodies directed against viruses. However, the production yields are low, thus delaying the industrialization of this production system.

In this context, the Glyco-MEV lab collaborates with the company e-Zyvec on the OptimALG project recently funded by our respective local authorities the Région Normandie and the Région Hauts de France. This project takes up the challenge of developing microalgae, especially *P. tricornutum* as an emerging alternative of Bioproduction. Through the optimALG project, our goal is to optimize the protein expression, using a combinatorial and systematic approach to design the vectors.

We are looking for a post-doctoral researcher that possess skills in microalgae cell culture, microalgae transformation, biotechnology, synthetic biology and molecular biology. Previous experience with diatoms would be an advantage. The candidate must be innovative, autonomous, rigorous, able to adapt and work in a team.

- **Nature of funding:** Regional and FEDER funds from the region Normandie under the collaborative project of innovation OptimALG
- **Location:** Laboratoire Glyco-MEV EA4358, Bâtiment CURIB Mont Saint Aignan, University of Rouen Normandie, France.
- **Contact:** Send CV and motivation letter (in either French or English) to Pr Muriel Bardor (muriel.bardor@univ-rouen.fr). Motivation letter should include the name, e-mail address and phone number of two potential referees