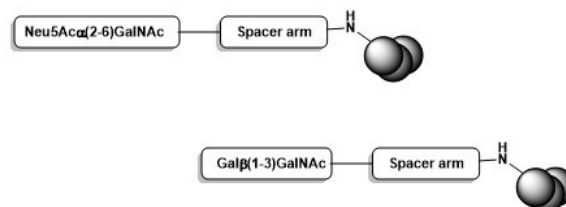


**GLYcoDiag** is a French company specialized in **glycobiology and glycoanalysis services and products** for the biotech, pharma, veterinary, cosmetic and diagnostic industries. Our unique experience provides the services and products needed to speed up your projects. **Visit our website for more information [www.glycodiag.com](http://www.glycodiag.com)**

## Product of the month

- **Sialylated Neoglycoproteins (BSA-NeuAc and BSA-NeuGc)** were developed through a standardized procedure allowing an excellent batch to batch reliability. Each neoglycoprotein is submitted to a complete quality control (i.e. purity, carbohydrates/protein ratio, labeling and functionality assessed by interactions with lectins through GLYcoPROFILE® method) and they are available at 1 mg in labeled or unlabeled form.

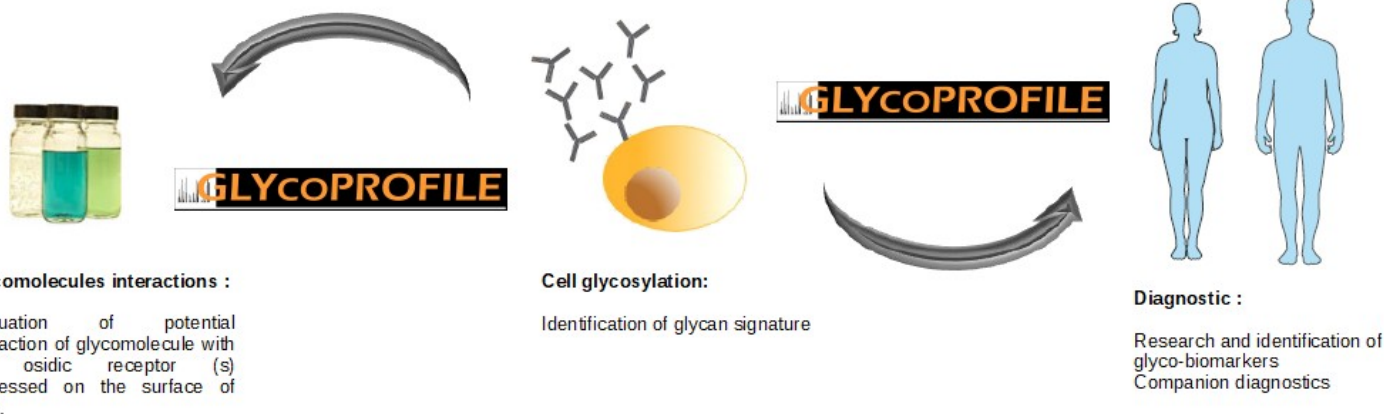
- **T and STn neoglycoproteins** with respectively Gal $\beta$ (1-3)GalNAc and Neu5Ac $\alpha$ (2-6)GalNAc were developed. These two neoglycoproteins are potentially useful for the research and development of some cancer diagnostics and immunotherapies.



**Visit our website to know more about neoglycoproteins**

## Cells GLYcoPROFILE®

The **GLYcoPROFILE®** technology, which is a method based on lectins array that enables to **study the structures and accessibilities of glycans motifs** of glycomolecules, can be used to study the glycosylation of cells. Cells GLYcoPROFILEs was validated with cells from different origins : cutaneous (e.g. keratinocytes (NHEK), fibroblasts (HDFa), melanocytes (NHEM)), lymphocytes, erythrocytes or intestinal cells (e.g. CaCo-2)). The GLYcoPROFILE results enable to obtain a cell surface glycan signature. Also, GLYcoPROFILE is useful to detect glyco-biomarkers in case of diseases, or to measure the effect of a cosmetic active ingredient on cutaneous cells.



**Contact-us for more information**

## GLYcoDiag's last publications

- **GLYcoPROFILE® used for evaluation of a  $\beta$ -(1,3)-Glucan effect on keratinocytes (NHEK) and fibroblasts (HDFa)**

Ozanne, H., Toumi, H., Roubinet, B., Landemarre, L., Lespesailles, E., Daniellou, R., Cesaro, A., *Laminarin Effects, a  $\beta$ -(1,3)-Glucan, on Skin Cell Inflammation and Oxidation, Cosmetics, 2020, 7, 66.*

GLYcoPROFILE was recently used to evaluate on cutaneous cells (i.e. fibroblasts (HDFa) and keratinocytes (NHEK) the effect of Laminarin, a  $\beta$ -(1,3)-glucan from the seaweed *Laminaria digitata*, polysaccharide which provides anti-inflammatory and anti-oxidative properties. This study is another example of the powerful interest to use the GLYcoPROFILE technology to investigate biological properties of glycomolecules.