

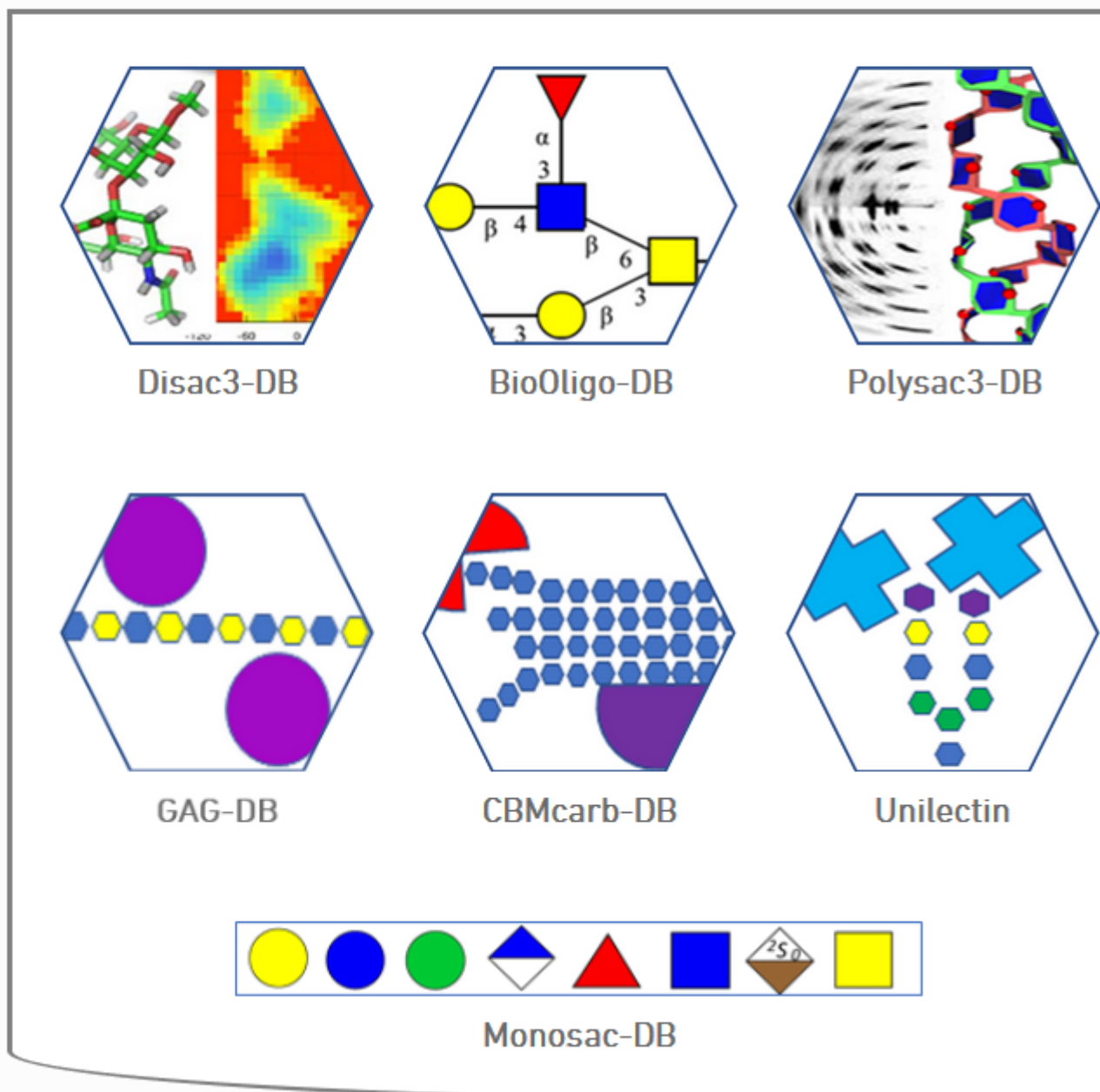
## Glyco3D: A New Portal

### Description

The new Glyco3D portal ([glyco3D@cermav.cnrs.fr](mailto:glyco3D@cermav.cnrs.fr)) brings together databases and applications of

interest to structural glycosciences

# GLYC03D 2



**Disac3-DB:** 160 disaccharides, 3D Structures, xyz, Potential Energy Surfaces, SNFG representations

**BioOligo-DB :** 314 oligosaccharide, 3D structures, xyz, Taxonomy, SNFG representations

**Polysac3-DB :** Polysaccharides, 3D Structures, xyz, X-ray, e- diffractograms, taxonomy, (curated)

**NMR Oligo :** NMR data, 150 oligosaccharides,  $^1\text{H}$ ,  $^{13}\text{C}$ , COSY, TOCSY, HMQC & HMBC , Taxonomy, SNFG representations

**EPS-DB :**

140 bacterial Polysaccharides; 3D structures, xyz, functional properties, genetic data, taxonomy (curated)

**GAG-DB** : 123 3D Xay of GAG binding proteins crystal complexes, xyz, Taxonomy, Bibliography (curated)

**CBMcar-DB** : 353 3D Xay of Carbohydrate Binding Modules crystal complexes, xyz, Taxonomy, Bibliography (curated)

**Unilectin** :2332 3D Xray lectins (1493 interacting glycan), xyz, Taxonomy, Bibliography (curated)

**mAbscarb-DB** : 3D XR mAb interacting with glycan, xyz, SNFG representation

**Polys-Glycan Builder**: 3D structure generation of poly- and complex oligosaccharides from MM2-precalculated glycosidic linkage torsions and energy minimization

**Monosac-DB** : 250 Monosaccharides, 3D structures, xyz, SNFG representations

**Click & Diplay** : Easy display by LiteMol from pdb

Other Tools

glyco3D@cermav.cnrs.fr

## Category

1. News