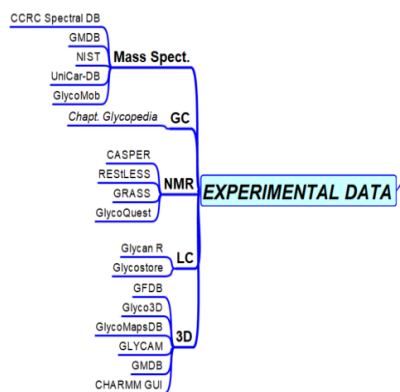
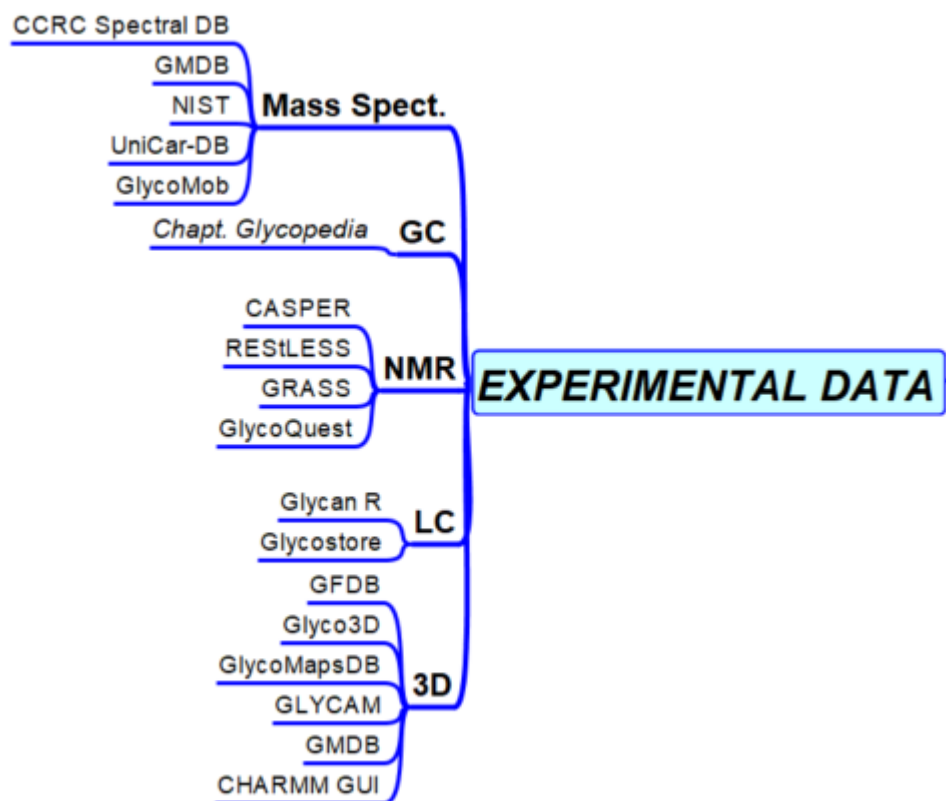




Experimental Results

Description



- A Practical Guide to Structural Analysis of Carbohydrates <http://www.stenutz.eu>

MASS SPECTROMETRY

- CCRC Spectral Database for PMAA's <https://www.ccruc.edu/specdb/ms/pmaa/pframe.html> Database of Partially Methylated Alditol Acetate

- **GMDB** https://jcggdb.jp/rcmg/glycodb/Ms_ResultSearch GMDB is a database of glycan mass spectral data.
- **GlycoMob** <http://www.glycomob.org> GlycoMob : an ion mobility-mass spectrometry collision cross section database for glycomics.
- **NIST Mass Spectrometry Data Center** <https://chemdata.nist.gov/glycan/about> The NIST Glycan Mass Spectral Reference Library is a collection of tandem mass spectral data (MS2, MS3, MS4) of glycans extracted from the NIST 17 Tandem MS library.
- **UniCarb-DB** <http://unicarb-db.expasy.org/> UniCarb-DB is a structural and mass spectrometric database used in glycomics. UniCarb-DB provides over 1000 LC-MS/MS spectra for N- and O-linked glycans.

GAS CHROMATOGRAPHY

- **Glycopedia e-chapter** <http://glycopedia.eu> Mini database of MS Spectra of 4 types of derivatives (Acetylated alditols, acetylated methyl glycosides, partially methylated and acetylated alditols, acetylated octyl or butyl glycosides).

LIQUID CHROMATOGRAPHY

- **GlycanR** <https://cran.r-project.org/web/packages/glycanr/index.html> glycanr is a tool for analysing N-Glycan Data which is mostly oriented to data obtained by UPLC (Ultra Performance Liquid Chromatography) and LCMS (Liquid chromatography-mass spectrometry) analysis of Plasma and IgG glycome.
- **Glycostore** <https://glycostore.org/> Summary : GlycoStore is a curated chromatographic, electrophoretic and mass-spectrometry composition database of N-, O-, glycosphingolipid (GSL) glycans

NMR

- **CASPER** www.casper.organ.su.se/casper/ CASPER is a web-based tool, facilitates prediction ^1H and ^{13}C NMR chemical shifts of oligo- or polysaccharide.
- **GlycoQuest** the integrated search engine for glycans <https://www.bruker.com/products/mass-spectrometry-and-separations/ms-software/proteinscape/glycoquest.html>
- **GODESS** <http://csdb.glycoscience.ru/database/core/nmrsim.html> NMR spectrum simulation service for carbohydrate-containing molecules (including polymers and glycoconjugates).
- **GRASS** <http://csdb.glycoscience.ru/biopsel/genstruc.php> GRASS provides semi-automated NMR-based structure elucidation of saccharides.

3D STRUCTURES

- **GFDB** <http://www.glycanstructure.org> A glycan fragment database : a database of PDB-based glycan 3D structures
- **GLYCAM** <http://glycam.org> Primary sequences for a number of common glycans have been pre-built and their predicted 3D structures are available. High Mannose, Hybrid N-Glycan, Complex Type, Sialyl/Fucose Complexs.
- **GlycoMapsDB** <http://www.glycosciences.de/modeling/glycomapsdb/> A database containing more than 2500 calculated conformational maps for a variety of di- to pentasaccharide fragment

- **Glyco3D** <http://glyco3d.cermav.cnrs.fr> Glyco3D offers a single entry to access 3D structures of mono, di, and oligosaccharides, polysaccharides, lectins, gag-interacting proteins.
- **CHARMM GUI** <http://charmm-gui.org/input/glycan>

Category

1. News