PLATEFORME D’ANALYSES DES GLYCOCONJUGUES (FRE3637)

PAGes is a intellectual and technical support in glycanic and glycoprotein structural research. This platform is dedicated for glycan and glycoconjugates analysis whatever they are (i.e. glycolipids, glycoproteins, polysaccharides, oligosaccharides…). It is an open platform for both academic and private research. His main aim is to determine the glycan sequence from diverse molecules (e.g. : energy store or structural polysaccharides, constitutive oligosaccharides, post-traductional modification…). PAGes is open for student teaching and gives training course.

PEOPLES :
- Dr Bernadette Coddeville : Mass spectrometry / Surface plasmon resonance (SPR)
- Dr Yann Guérardel : Mass spectrometry, sugar chemistry, Scientific expert
- Dr Frédéric Krzewinski : High Performance Liquid Chromatography
- Dr Emmanuel Maes : Nuclear Magnetic Resonance (NMR), Sugar chemistry, GlycoBase
- Dr Olga Plechakova : Bio-informatic
- Dr Xavier Trivelli : Nuclear Magnetic Resonance (NMR), Chemistry

SKILLS :
- Monosaccharide Composition and quantification
- Primary sequences, configuration and anomery
- Sialylation states, study of complex mixture
- Databases

KEY-WORDS :
- Polysaccharides, Oligosaccharides, Glycolipids, Glycoproteins, Procaryotes, Eucaryotes, Database

Dr Yann Guérardel (Scientific advisor) : +33 (0)3 20 43 69 41
Dr Emmanuel Maes (Technical advisor) : +33 (0)3 20 33 63 47
eMail : Plateforme-PAGES@univ-lille1.fr
http://ugsf-umr-glycobiologie.univ-lille1.fr/
Building C9, desk 215
Unité de Glycobiologie Structurale et Fonctionnelle, UGSF, IFR 147
Université Lille 1, F-59655 Villeneuve d’Ascq