GLYCO-FORUM SECTION

Meeting and Course Announcements

REVIEW ARTICLE

Current trends in the structure–activity relationships of sialyltransferases
M Audry, C Jeanneau, A Imberty, A Harduin-Lepers, P Delannoy, and C Breton

ORIGINAL ARTICLES

Universal phosphatase-coupled glycosyltransferase assay
ZL Wu, CM Ethen, B Prather, M Machacek, and W Jiang

Desulfovibrio desulfuricans PgIB homolog possesses oligosaccharyltransferase activity with relaxed glycan specificity and distinct protein acceptor sequence requirements
MV Ielmini and MF Feldman

The Alg5 ortholog Wollknäuel is essential for correct epidermal differentiation during Drosophila late embryogenesis
KS Shaik, M Pabst, H Schwarz, F Altman, and B Moussian

Epitope mapping, expression and post-translational modifications of two isoforms of CD33 (CD33M and CD33m) on lymphoid and myeloid human cells
AB Pérez-Oliva, M Martinez-Esparza, JJ Vicente-Fernández, R Corral-San Miguel, P García-Peñarrubia, and T Hernández-Caselles

Expression of heparan sulfate sulfotransferases in Kluyveromyces lactis and preparation of 3′-phosphoadenosine-5′-phosphosulfate
X Zhou, K Chandarajoti, TQ Pham, R Liu, and J Liu

Effects of a sulfated exopolysaccharide produced by Altermonas infernus on bone biology
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Glycoconjugate expression on the cell wall of tps1/tps1 trehalose-deficient Candida albicans strain and implications for its interaction with macrophages
M Martínez-Esparza, A Tapia-Abellán, AVite-Standaert, P García-Peñarrubia, JC Argüelles, D Poullain, and T Jouault

Mouse LSECtin as a model for a human Ebola virus receptor
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N-Glycosylation engineering of plants for the biosynthesis of glycoproteins with bisected and branched complex N-glycans
A Castillo, P Gattinger, J Grass, J Jez, M Pabst, FAltmann, M Gorfer, R Strasser, and H Steinkellner

NMR and molecular modeling reveal key structural features of synthetic nodulation factors
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Ceramide glucosyltransferase of the nematode Caenorhabditis elegans is involved in oocyte formation and in early embryonic cell division
KH Nomura, D Murata, Y Hayashi, K Dejima, S Mizuguchi, E Kage-Nakadai, K Gengyo-Ando, SMitani, Y Hirabayashi, M Itô, and K Nomura