

## GLYCO-FORUM SECTION

### Meeting Announcements

1G

## REVIEW

### Gangliosides as components of lipid membrane domains

S Sonnino, L Mauri, V Chigorno, and A Prinetti

1R

## ORIGINAL ARTICLES

### Mice lacking $\alpha$ 1,3-fucosyltransferase IX demonstrate disappearance of Lewis x structure in brain and increased anxiety-like behaviors

T Kudo, T Fujii, S Ikegami, K Inokuchi, Y Takayama, Y Ikehara, S Nishihara, A Togayachi, S Takahashi, K Tachibana, S Yuasa, and H Narimatsu

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### Dependence of neurotrophic factor activation of Trk tyrosine kinase receptors on cellular sialidase

A Woronowicz, SR Amith, K De Vusser, W Laroy, R Contreras, S Basta, and MR Szewczuk

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### Optimized extraction of glycosaminoglycans from normal and osteoarthritic cartilage for glycomics profiling

AM Hitchcock, KE Yates, S Shortkroff, CE Costello, and J Zaia

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### Clearance mechanism of a mannosylated antibody–enzyme fusion protein used in experimental cancer therapy

H Kogelberg, B Tolner, SK Sharma, MW Lowdell, U Qureshi, M Robson, T Hillyer, RB Pedley, W Verweken, R Contreras, RHJ Begent, and KA Chester

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### Structure and function relations with a T-cell-activating polysaccharide antigen using circular dichroism

LSC Kreisman, JH Friedman, A Neaga, and BA Cobb

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### Major *O*-glycans in the spores of two microsporidian parasites are represented by unbranched manno-oligosaccharides containing $\alpha$ -1,2 linkages

V Taupin, E Garenaux, M Mazet, E Maes, H Denise, G Prensier, CP Vivarès, Y Guérardel, and G Méténier

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### STD NMR spectroscopy and molecular modeling investigation of the binding of *N*-acetylneuraminic acid derivatives to rhesus rotavirus VP8\* core

T Haselhorst, H Blanchard, M Frank, MJ Kraschnefski, MJ Kiefel, AJ Szyzew, JC Dyason, F Fleming, G Holloway, BS Coulson, and M von Itzstein

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### Structural characterization of *N*-glycans from the freshwater snail *Biomphalaria glabrata* cross-reacting with *Schistosoma mansoni* glycoconjugates

T Lehr, H Geyer, K Maaß, MJ Doenhoff, and R Geyer

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### Comparison of biological activity among nonfucosylated therapeutic IgG1 antibodies with three different *N*-linked Fc oligosaccharides: the high-mannose, hybrid, and complex types

Y Kanda, T Yamada, K Mori, A Okazaki, M Inoue, K Kitajima-Miyama, R Kuni-Kamochi, R Nakano, K Yano, S Kakita, K Shitara, and M Satoh

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