

GLYCO-FORUM SECTION

Meeting Announcements

12G

REVIEW

The expression and functions of glycoconjugates in neural stem cells

M Yanagisawa and RK Yu

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COMMUNICATION

Double-stranded RNA induces galectin-9 in vascular endothelial cells: involvement of TLR3, PI3K, and IRF3 pathway

T Imaizumi, H Yoshida, N Nishi, H Sashinami, T Nakamura, M Hirashima, C Ohyama, K Itoh, and K Satoh

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ORIGINAL ARTICLES

Tools for glycomics: relative quantitation of glycans by isotopic permethylation using $^{13}\text{CH}_3\text{I}$

G Alvarez-Manilla, NL Warren, T Abney, J Atwood III, P Azadi, WS York, M Pierce, and R Orlando

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Biosynthesis and expression of the Sd^a and sialyl Lewis x antigens in normal and cancer colon

N Malagolini, D Santini, M Chiricolo, and F Dall'Olio

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Glycosylation of sputum mucins is altered in cystic fibrosis patients

BL Schulz, AJ Sloane, LJ Robinson, SS Prasad, RA Lindner, M Robinson, PT Bye, DW Nielson, JL Harry, NH Packer, and NG Karlsson

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The quail and chicken intestine have sialyl-galactose sugar chains responsible for the binding of influenza A viruses to human type receptors

C-T Guo, N Takahashi, H Yagi, K Kato, T Takahashi, S-Q Yi, Y Chen, T Ito, K Otsuki, H Kida, Y Kawaoka, KI-PJ Hidari, D Miyamoto, T Suzuki, and Y Suzuki

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Trypanosome trans-sialidase mediates neuroprotection against oxidative stress, serum/glucose deprivation, and hypoxia-induced neurite retraction in Trk-expressing PC12 cells

A Woronowicz, SR Amith, VW Davis, P Jayanth, K De Vusser, W Laroy, R Contreras, SO Meakin, and MR Szewczuk

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Successive glycosyltransfer of sialic acid by *Escherichia coli* K92 polysialyltransferase in elongation of oligosialic acceptors

J Vionnet and WF Vann

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Enzymatic synthesis of cello-oligosaccharides by rice BGlu1 β -glucosidase glycosynthase mutants

G Hommalai, SG Withers, W Chuenchor, JRK Cairns, and J Svasti

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Characterization of neutral and acidic glycosphingolipids from the lectin-producing mushroom, *Polyporus squamosus*

E Arigi, S Singh, AH Kahlili, HC Winter, IJ Goldstein, and SB Lavery

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Mgat5 and Pten interact to regulate cell growth and polarity

P Cheung and JW Dennis

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Molecular and biochemical characterization of galectin from amphioxus: primitive galectin of chordates participated in the infection processes

Y Yu, S Yuan, Y Yu, H Huang, K Feng, M Pan, S Huang, M Dong, S Chen, and A Xu

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Changes in glycosylation of vitronectin modulate multimerization and collagen binding during liver regeneration

K Sano, K Asanuma-Date, F Arisaka, S Hattori, and H Ogawa

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