Copenhagen, August 27-30, 2018

Organizing committee:

Henrik Clausen, Hans H. Wandall, Steffen Thiel, James Paulson, Nico Callewaert, Hans Bräuner-Osborne and Finn Cilius Nielsen

Venue: Hotel Skt Petri, Krystalgade 22, 1172 Copenhagen, Denmark

NAME	AFFILIATION	TITLE	Session	No.
Foulquir, Francois	France	TMEM165; a new key player in Golgi glycosylation and cellular Mn2+ homeostasis	ORAL & Monday	I-01
Hurtado- Guerrero, Ramon	Spain	The interdomain flexible linker of the polypeptide GalNAc transferases dictates their long-range glycosylation preferences	ORAL & Monday	I-02
Takeuchi, Hideyuki	Japan	O-Glycosylation modulates the stability of epidermal growth factor-like repeats and thereby regulates Notch trafficking	ORAL & Monday	I-03
Bazan, Bozena	Poland	The influence of the UDO-GlcNAc transporter on the O-glcNAcylation	Monday	I-04
Leffler, Hakon	Sweden	Galectins: Intra and extracellular functions and implications for drug targeting	Monday	I-05
Reis, Celso	Portugal	Cellular receptor glycosylation in Cancer- functional and therapeutic implications	Monday	I-06
Duvet, Sandrine	France	Use of Endoglycosidase H as a diagnostic tool for MAN1B1-CDG patients	Monday	I-07
Willems, Anke	The Netherlands	Discovering unknown pathways in sialic acid biosynthesis	Monday	I-08
Cavdarli, Sumeyye	France	Indentification of 9-O-acetyl-N-acetylneuraminic acid (Neu6,9Ac2) in terminal position of GD2 in breast cancer cell lines	Monday	I-09
Maszczak- Seneczko, Dorota	Poland	A novel interplay between UDP-galactose transporter and core 1 beta1,3-galactosyltransferase	Monday	I-10
Blanas, Athanasios	The Netherlands	Successful gene activation of fucosyltransferase (FUT) genes using the CRISPR-dCas9-VPR system	Monday	I-11
Malmström, Anders	Sweden	Crystal structure of dermatan sulfate epimerase 1 and its interaction with dermatan 4-sulfotransferase 1	Monday	I-12
Olczak, Teresa	Poland	Novel UDP-galactose transporter mutation causes the protein loss-of-function	Monday	I-13

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NAME	AFFILIATION	TITLE	Session	No.
Fiebig, Timm	Germany	Efficient Solid-phase synthesis of meningococcal capsular oligosaccharides enables simple and fast chemoenzymatic vaccine production	Monday	I-14
Rimmer, Natalie	Switzerland	Elucidating endogenous E-cadherin glycosylation in cancer cells using CRISPR-Cas9-induced homology directed repair and mass spectrometry	Monday	I-15
Gomes, Catarina	Portugal	Carsinoembryonic antigen carries α2-3 linked sialic acid on type II chains and is implicated in the metastic potential of gastric cancer cells	Monday	I-16
Denzel, Martin	Germany	Elevating cellular UDP-GlcNAc through activation of the hexosamine pathway prevents toxic protein aggregation and extends lifespan	Monday	I-17
Kellokumpu , Sakari	Finland	SLC35A4, a Putative Nucleotide Sugar Transporter, Interacts Simultaneously with Other Nucleotide Sugar Transporters and Medial-Golgi N-Acetylglucosaminyltransferases	Monday	I-18
Steentoft, Catharina	Denmark	A comprehensive strategy for generating Cancer- specific monoclonal antibodies to aberrant O- glycoproteins	Monday	I-19
Lira-Navarette, Erandi	Denmark	Structural analysis of a GalNAc-T2 mutant reveals an induced-fit catalytic mechanism for GalNAc-Ts	Monday	I-20
Larsen, Ida Signe Bohse	Denmark	Discovery of an O-mannosylation pathway selectively serving cadherins and protocadherins	Monday	I-21
Schjoldager, Katrine	Denmark	Site-specific O-glycosylation of members of the low-densite lipoprotein receptor superfamily enhances ligand interactions	Monday	I-22
Hansen, Lasse Holst	Denmark	Endogenous O-glycosylated atrial natriuretic peptide with preserved bioactivity	Monday	I-23
Siukstaite, Lina	Denmark	Discovery of an O-mannosylation pathway selectively serving cadherins and protocadherins	Monday	I-24

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Sun, Lingbo	Denmark	Cell Display of homogenous Neu5Ac/Neu5Gc in CHO cells and an alternatively pathway exist in sialic acid synthesis	Monday	I-25
Nielsen, Mathias Ingemann	Denmark	Defining Galectin Glycan-specificity in a Natural Context: Galectin Binding to Cells and Glycoproteins with Genetically Manipulated Glycosylation	Monday	I-26
Madsen, Thomas Daugbjerg	Denmark	O-Glycosylated Neuropeptides	Monday	I-27
Zetterberg, Fredrik	Denmark	The first class of orally available monosaccharide galectin-3 inhibitors for treatment of fibrosis (NASH) and cancer	ORAL & Tuesday	II-01
Büll , Christian	The Netherlands	Reprogramming sialic acid-Siglec interactions to control the immune response	ORAL & Tuesday	II-02
Thaysen- Andersen, Morten	Australia	Paucimannosylation: Overlooked human glycoepitopes in inflammation, infection and cancer	ORAL & Tuesday	II-03
Clausen, Thomas Mandel	Denmark	Targeting of CS for cancer therapy and diagnosis	ORAL & Tuesday	II-04
Mathiesen, Caroline Kjærulff	Denmark	Genetically engineered cell factories produce glycoengineered vaccines that target antigen presenting cells and alter immunity	ORAL & Tuesday	II-05
Cervin, Jakob	Sweden	GM1 Ganglioside-independent intoxication by Cholera toxin	Tuesday	II-06
Sampathkumar, Srinivasa-Gopalan	India	Carbohydrate-neuroactive hybrid strategy for non- invasive modulation of brain sialoglycoconjugates in animals	Tuesday	II-07
Fuchsberger, Felix	Germany	Targeting the human and murine C-type lectin receptor Langerin	Tuesday	II-08
Groux-Degroote , Sophie	France	Unveilling the Glycolipid "Glycosignature" of Human Mesenchymal Stem Cells Derived from Adipose Tissue and Bone Marrow Sources	Tuesday	II-09

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Göritzer , Kathrin	Austria	Elucidating structure-function relationships of immunoglobin A with defined glycosylation	Tuesday	II-10
Shanina, Elena	Germany	Siglec-9-Mediated Modulation of Immune Responses in Neutrophils in Neutrophils and Monocytes	Tuesday	II-11
Pelaseyed, Thaher	Sweden	Transmembrane mucin Muc17 is regulated by gut microbiome composition and recognition	Tuesday	II-12
Westergren- Thorsson, Gunilla	Sweden	Extracellular matrix in lung tissue and scaffolds from patients with idiopathic lung fibrosis-affecting outcome of disease?	Tuesday	II-13
Jensen, J. Magnus Bernth	Denmark	Human antibodies against Gal(α1-3)Gal targets common pathogens	Tuesday	II-14
Ehrencrona , Erik	Sweden	The Role of the Mucin-Like Glycoprotein FCGBP in Mucus	Tuesday	II-15
Sahasrabudhe , Neha	The Netherlands	Chorioallantoic membrane model to study glycan dependent tumor growth and differentiation	Tuesday	II-16
Santegoets, Kim	The Netherlands	Expression profiling of immune inhibitory Siglecs and their ligands in patients with glioma	Tuesday	II-17
Johannesen , Hedda	Norway	14F7, an antibody that specifically recognise the tumor-specific ganglioside NeuGc GM3	Tuesday	II-18
Joshi, Hiren	Denmark	Glycosyl transferase genes that cause monogenic congenital disorders of glycosylation are distinct from glycosyltransferase genes associated with complex diseases	Tuesday	II-19
Bagdonaite, Ieva	Denmark	Isoform-Specific Mucin Type O-Glycosylation Maintains Epithelial Homeostasis	Tuesday	II-20
Pedersen, Johannes	Denmark	Targeted screen for cancer associated auto- antibodies. Case control study of colorectal cancer in UK Collaborative Trial of Ovarian Cancer	Tuesday	II-21

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Hintze, John	Denmark	Exploring dose-dependent GalNAc-T functions	Tuesday	II-22
Vakhrushev, Sergey	Denmark	Ultra-sensitive quantitative O-glycoproteomics by data independent acquisition (DIA) using an in silico developed O-glycan library	Tuesday	II-23
Rømer, Troels Boldt	Denmark	Truncated mucin type O-glycans in Epithelial Cancers: central drivers or blind passengers?	Tuesday	II-24
Ye, Zilu	Denmark	GalNAc-Type O-glycoproteomics analysis and discovery of human sperm	Tuesday	II-25
Huang, Chengcheng	Japan	Studies on the serum sialyl oligosaccharides	ORAL & Wednesday	III-01
Miller, Rebeca	Denmark	Ion mobility mass spectrometry of heparan sulfate	ORAL & Wednesday	III-02
Jacob, Francis	Switzerland	Glycosphingolipids are vital for reversible epithelial-to-mesenchymal transition in intermediate ovarian cancer cells	ORAL & Wednesday	III-03
Mally, Manuela	Switzerland	A novel glycoengineering platform for better therapeutics	ORAL & Wednesday	III-04
Bailly, Benjamin	Australia	Discovery of heparan sulfate mimetic fragments as inhibitors of enterovirus 71 infection	ORAL & Wednesday	III-05
Turnbull, Jeremy	UK	Next Generation Heparins: Targeting Proteoglycan Functions for Therapeutic Benefit	ORAL & Wednesday	III-06
Tian, Weihua	Denmark	The Glycosylation Design Space for Recombinant Lysosomal Replacement Enzymes in CHO Cells	ORAL & Wednesday	III-07
Narimatsu , Yoshiki	Denmark	A validated gRNA library for CRISPR/Cas9 targeting of the human glycosyltransferase genome	ORAL & Wednesday	III-08
Montero Morales , Laura	Austria	Glycosylation and Funcional Activities of IgE Antibodies	Wednesday	III-09

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Contessotto, Paolo	Ireland	Post-ischemic myocardial remodelling and its modulation by an Elastin-Like Recombinamers-based hydrogel	Wednesday	III-10
Samuelsson, Ebba	Sweden	Carbohydrate epitopes of the recombinant varicella zoster virus glycoprotein E implications for vaccine efficacy	Wednesday	III-11
Caval, Tomislav	The Netherlands	Direct quality control of glycolengineered Erythropoitin variants	Wednesday	III-12
Spliid, Charlotte	Denmark	Characterization of Oncofetal Chondroitin Sulfate	Wednesday	III-13
Nordgren, Maria	Sweden	Novel techniques for O-glycoprotein enrichment and O-glycan site determination	Wednesday	III-14
Persson, Andrea	Sweden	Structual Characterization of Cytotoxic Xyloside- primed Glycosaminoglycans Using LC-MS/MS	Wednesday	III-15
Rimkute, Inga	Sweden	The glycobiology of human intestinal enteroids is opening doors for the precision medicine of gastrointestinal infections	Wednesday	III-16
Frank, Martin	Sweden	Understanding molecular dynamics is fundamental for the development of better carbohydrate-based drugs	Wednesday	III-17
Nilsson, Jonas	Sweden	Effective assignment of sialic acid isomers in LC-MS/MS based glycoproteomics	Wednesday	III-18
Nikpour, Mahnaz	Sweden	Does the Glycosaminoglycan chain of Chromogranin A play in the packing, enzymatic processing, and release of peptide hormones from endocrine cells?	Wednesday	III-19
Bydlinski , Nina	Austria	Enhancement by reduction- pushing N-glycosylation by cleaning up the Golgi	Wednesday	III-20
Kristensen, Claus	Denmark	Cell Based GlycoDisplay	Wednesday	III-21

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Pallesen, Emil	Denmark	Genetically Engineered Tissue to Screen for Glycan Function in Tissue Formation	Wednesday	III-22
van Coillie, Julie	Denmark	Molecular imprinted probes for detection of distinct human sialylation and aberrant cancerspecific O-glycans	Wednesday	III-23
Schulz, Morten Alder	Denmark	Glycoengineering design options for IgG1 in CHO cells using precise gene editing	Wednesday	III-24
Nason, Rebecca	Denmark	The study of molecular imprinted polymers for detection of aberrant cancer-specific O-glycans	Wednesday	III-25
Karlsson, Richard	Denmark	Molecularly Imprinted Polymers towards a cancer-associated form of chondroitin sulfate	Wednesday	III-26
Chen, Yen-Hsi	Denmark	GAGOme - A Cell-Based Method for Display of Glycosaminoglycans	Wednesday	III-27
Petersen, Bent L.	Denmark	Engineering Plant N-linked Core Glycosylation in Mammalian Cells	Wednesday	III-28