
XIIIth International Symposium on Glycoconjugates

On behalf of the Organizing Committee for GLYCO XIII, I am also pleased to provide a more detailed outline of the program. First, I would like to emphasize that the poster session is of central importance. All posters will be on display during the entire symposium period, and we are hoping to set aside special poster discussion times in the evenings. Based on my past experiences, I believe that the 'hot new findings' will often be found in the posters rather than the plenary lectures or symposium talks.

We have defined 32 minisymposia (topic sessions) as listed below. Each session will be organized and chaired by two leading scientists in the specific field; names of most of the organizers are shown. The deadline for submission of abstracts will be 1 March 1995. The final program, abstract submission form, and registration form will be included with the third circular, which will be mailed in January 1995. However, I would encourage you to look carefully over the list of topic sessions here and start thinking about your abstract or poster presentation. The chairpersons of each topic session will select minisymposium speakers from the submitted abstracts. All abstracts will be published in a special issue of the *Glycoconjugate Journal*.

GLYCO XIII will focus on functional roles of glycoconjugates, in addition to advances in biosynthesis, degradation, and the molecular-genetic basis of these processes. Glycobiology of plants, yeasts, molds, and bacteria will be covered in view of the remarkable progress in this area. In glycopathology sessions, in addition to covering the functional role of glycosylation in cancer progression, inflammatory, and infectious processes, we will focus on aberrant glycosylation correlated with autoimmune disorders, parasitosis, AIDS progression, and other diseases. Because of the rapid expansion of glycobiology and glycopathology, and the diversity of new research trends, GLYCO XIII will include a greater number of topic sessions (approximately 32) than ever before. Some may criticize this as 'topic inflation', but if so I willingly accept the blame. Looking forward to seeing you in Seattle next summer,

Sincerely,

Sen-itiroh Hakomori
Chairman

Organizing Committee and Program Committee

Further information: GLYCO XIII, c/o Convention Services Northwest, 1809 7th Avenue, Suite 1414, Seattle, WA 98101, USA. Tel: 206 292 9198. Fax: 206 292 0559.

Mini-Symposium Sessions

Conformational structures of glycoconjugates
Glycosylation affecting protein structure and function
Glycomimetics that modify glycosylation
Carbohydrate-protein interactions
Dolichol-linked pathways
Plant glycobiology
Golgi enzyme targeting
New methods of glycoconjugate analysis
Carbohydrate-dependent cell adhesion I and II
Plant and animal lectins
Biology of proteoglycans
Glycosaminoglycan synthesis and molecular-genetic basis
Glycobiology of yeasts, molds and bacteria
Glycosylation regulation through glycosyltransferase genes
Synthesis and molecular-genetic basis of developmentally regulated carbohydrate epitopes
Functional role of O-linked glycans with mucin-type domains
Molecular-genetic basis of sphingolipidosis and other neuronal diseases
Sialic acid, sialidase, and polysialic acid
Synthesis and degradation of glycosphingolipids
Glycobiology of immunocytes and immune responses
Molecular genetics of histo-blood groups and diseases
Transmembrane signalling control by glycosphingolipids and sphingolipids I and II
Organization and trafficking of glycosphingolipids in membranes
Glycosphingolipid interactions and receptor function
Gangliosides in neurobiology
Role of glycoconjugates in bacterial and viral infections
Glycopathology of parasites
Glycosylation and cancer
Aberrant glycosylation causing or closely associated with disease processes (autoimmune, AIDS, etc.)

Session Chairs and Organizers

M. Aebi	R. A. Dwek	I. J. Goldstein
S. C. Basu	A. D. Elbein	S. Handa
R. R. Brentani	M. E. Etzler	V. Hascall
D. R. Bundle	T. Feizi	C. G. Hellerqvist
S. Chatterjee	M. Fukuda	R. L. Hill
E. A. Davidson	C. G. Gahmberg	O. Hindsgaul
J. W. Dennis	M. C. Glick	C. Hirschberg

Session Chairs and Organizers (cont.)

R. C. Hughes	D. M. Marcus	A. Surolia
A. Kobata	J. S. O'Brien	S. Suzuki
R. N. Kolesnick	T. Ogawa	Y. Suzuki
S. Kornfeld	T. Osawa	F. A. Troy
J. Kościelak	J. C. Paulson	N. Taniguchi
R. A. Laine	H. Rahmann	B. Tuomanen
R. Ledeen	P. W. Robbins	A. Varki
Y. C. Lee	H. Schachter	J. F. G. Vliegthart
U. Lindahl	R. Schauer	W. M. Watkins
B. Lindberg	R. L. Schnaar	T. Yamagata
C. Lingwood	N. Sharon	W. W. Young
J. B. Lowe	S. Spiegel	R. K. Yu

Plenary Lecturers to Date

Jacques Baenziger	Glycosylation affecting protein structure and function
Klaus Bock	Glycopeptides as oligosaccharide scaffolds and mimetics
Kurt Drickamer	Carbohydrate-protein interaction
Reid Gilmore	Dolichol-linked pathways
Peter Albersheim	Carbohydrates as plant cell elicitors
Graham Warren	Mechanism of Golgi enzyme targeting
Max M. Burger	Sponge cell recognition based on specific glycan-to-glycan interaction
Merton Bernfield	Syndecan and related cell-surface proteoglycans
Nancy L. Shaper	Transcriptional control of glycosyltransferase gene expression
Jamey Marth	Transgenic approach for testing glycosylation function
Gerald W. Hart	O-linked GlcNAc controlling nuclear and cytoplasmic function
Paul R. Crocker	Sialoadhesin and its gene expression
Yasuo Inoue	KDN glycans: Their occurrence, structure, biosynthesis, and possible function
Konrad Sandhoff	Synthesis and degradation of glycosphingolipids and function of metabolites
Guido Tettamanti	Metabolic fate and functional implications of exogenous glycosphingolipids
Felix Wieland	Organization and trafficking of glycosphingolipids in membranes
Karl-Anders Karlsson	Cell surface glycoconjugates as attachment sites in the adhesion of microbes to animal tissues
Taroh Kinoshita	Genetic defect in PI-glycan synthesis causes paroxysmal nocturnal hemoglobinuria
Victor Nussenzweig	Liver proteoglycan homing receptors for malaria parasites
Ralph A. Reisfeld	Anti-cancer therapy based on tumor-associated ganglioside antigens
Norman Radin	Effects of ceramide analogs on sphingoglycolipid metabolism and cell growth
Yoshitaka Nagai	Ganglioside as a signalling molecule in neural function
Allan M. Lefer	Selectins, oligosaccharides and sphingolipid derivatives in reperfusion injury

Please note: the deadline for submission of abstracts is **March 1, 1995**.