

## Announcements

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**The Second International Duodecim Symposium:  
Molecular Biology of Lysosomal Diseases, Helsinki,  
Finland, 23–26 May 1993**

*Topics:* Biogenesis and function of the lysosomes. Pathogenesis of lysosomal diseases. Genotype/phenotype correlations in lysosomal diseases. Lysosomal diseases in Scandinavia. Prospects of prevention and treatment of lysosomal diseases.

*Information:* Symposium Secretariat, Second International Duodecim Symposium: Molecular Biology of Lysosomal Diseases, c/o The Finnish Medical Society Duodecim, Ms Kirsi Saarelma, Kalevankatu 11A, SF-00100 Helsinki, Finland. Tel: +358 0 611050. Fax: +358 0 611004.

**XIIth International Symposium on Glycoconjugates,  
Cracow, Poland, 15–20 August, 1993**

International Symposia on Glycoconjugates are held biennially under the auspices of the International Glycoconjugate Organization.

*Location:* Academy for Physical Education, Cracow.

*Scientific Programme:* The XIIth International Symposium will cover all aspects of glycoconjugate research, with special emphasis on the following:

- (1) Biological role of protein and lipid glycosylation;
- (2) Neurobiology of gangliosides;
- (3) Biological functions of proteoglycans;
- (4) Development and cancer;
- (5) Control of glycoconjugate metabolism, including novel pathways, enzymes, and enzyme inhibitors;
- (6) Molecular biology of glycosyltransferases, and carbohydrate-trimming enzymes;
- (7) Carbohydrate-mediated recognition;
- (8) Recombinant glycoproteins;
- (9) Intracellular sorting and recycling;
- (10) Transmembrane signalling;
- (11) Host-pathogen interactions;
- (12) Carbohydrates in immunology;
- (13) Experimentally induced changes in cell glycoconjugate profiles;
- (14) Structural analysis of glycoconjugates.

The XIIth Symposium on Glycoconjugates will be preceded by a satellite Symposium on Dolichols and Related Lipids (Zakopane area, 100 km from Cracow, 11–14 August, 1993), and followed by the VIIIth European Carbohydrate

Symposium, in the same location, between 22 August and 27 August.

For further information on GLYCO XII, please contact Professor Dr J. Koscielak, GLYCO XII, Institute of Hematology and Transfusiology, Chocimska 5, 00-957 Warsaw, Poland. Tel: +48 22 49 10 86. Fax: +48 22 49 37 60.

The satellite Symposium on Dolichols and Related Lipids: Professor Dr T. Chojnacki, Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Rakowiecka 36, 02-532 Warsaw, Poland. Tel: +48 22 49 04 15. Fax: +48 39 12 16 23. The first circular on GLYCO XII will be available from 1 June, 1992.

**XVIIth International Carbohydrate Symposium, Ottawa,  
Canada, July 17–22, 1994**

*Topics:*

*Structure:* primary structure, conformational analysis, spectrochemical methods and analysis applied to carbohydrates and glycoconjugates.

*Synthesis:* new methods and synthesis of biomolecules, such as carbohydrates, antibiotics, nucleosides, nucleotides, glycoconjugates, and the use of carbohydrates as chiral synthons.

*Biochemistry:* various biological and medical aspects of carbohydrates and glycoconjugates.

*Biotechnology and industry:* various uses of carbohydrates and glycoconjugates in industry.

*Information:* Doris Ruest, Executive Secretary, XVIIth International Carbohydrate Symposium, National Research Council Canada, Ottawa, Ontario, Canada K1A 0R6. Tel: +1 613 993 9228. Fax: +1 613 957 9828. Telex: 053 3145.