

Announcements and News

Colloquium on Glycobiology of Proteins, September 6–19 1994, University of Kent, Canterbury, England

Organized by R C Hughes and J M Walker.
Sponsored by the British Biochemical Society.

Information: Dr R C Hughes, National Institute for Medical Research, The Ridgeway, Mill Hill, London NW7 1AA, England. Tel: +44 81 959 3666 Ext 2500. Fax: +44 81 913 8595, +44 81 906 4477.

International Perspectives in Glycobiology, The Second Oxford International Conference, September 12–14 1994, Wadham College, University of Oxford, England

Information: Sharon Bridgeman, CPD Centre, University of Oxford, 1 Wellington Square, Oxford OX1 2JA, UK. Tel: +44 865 270286/270273. Fax: +44 865 270284.

Satellite Symposium on Complex Carbohydrates, September 15–16 1994, University of Roorkee, India

Under the auspices of the 16th IUBMB International Congress of Biochemistry and Molecular Biology, India.

Information: Dr Rith Barthwal, Dept of Biosciences and Biotechnology, University of Roorkee, Roorkee 247-667, India. Tel: +91 1332 72349 Ext 5807. Fax: +91 1332 73560.

EMBO Course, New Techniques in Oligosaccharide Analysis, September 18–23 1994, Oxford, England

Information: Fax: +44 865 270284.

The 16th IUBMB International Congress of Biochemistry and Molecular Biology, September 19–22 1994, New Delhi, India

Information: N Appaji Rao, Secretary-General, XVI IUBMB Congress, Dept of Biochemistry, Indian Institute of Science, Bangalore 560-012, India. Tel: +91 80 369 561, Fax: +91 80 341 814.

Molecular Biology of Cytokines and Matrix, September 21–23 1994, Department of Anatomy, University of Cardiff, Wales

Glycobiology Group of the British Biochemical Society in conjunction with the British Connective Tissue Society.

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Commercializing Carbohydrate-Based Therapeutics. Clinical Development and Applications, September 29–30 1994, Holiday Inn Crowne Plaza, Washington, DC

Information: IBC USA Conferences Inc., 225 Turnpike Road, Southborough, MA 01772-1749, USA. Tel: +508 481 6400. Fax: +508 481 7911.

Italian–German Symposium on Glycosaminoglycans, September 29–October 1 1994, Villa Vigoni, Lake Como, Italy

Information: Prof B Casu, G. Ronzoni Inst for Chemical and Biochemical Research, Via G. Colombo 81, 20133 Milan, Italy. Fax: 39 270633007.

Biology and Chemistry of Sialic Acids, International Conference, October 2–7 1994

Information: I M Belyanchikov, Shemyakin Institute of Bioorganic Chemistry, ul. Miklukho-Maklaya 16/10, 117871 GSP-7, V-437, Moscow, Russia. Tel: +7 95 330 5592. Fax: +7 95 335 7103, +7 95 330 5592, +7 95 310 7007.

3rd Jenner International Glycoimmunology Meeting, October 11–14 1994, Il Ciocco, Tuscany, Italy

Speakers: A Dell, E Hounsell, Y C Lee, J Klock, J Shaper, D van den Eijnden, W M Watkins, B D Shur, L A Lasky, M Fukuda, R A Childs, R Jefferis, W van Dijk, T Rademacher, V Hascall, A Mackiewicz, F C Hay, J Lunec, J T Gallagher, F Serafini-Cessi, G W Hart, D A Isenberg, P Youinou, M Malaise, J S Axford, E G Berger, V Kidd, G Turner, C J Lawson, O Hindsgaul, K Rice.

Information: Dr Azita Alavi, Academic Rheumatology Group, Dept of Cellular and Molecular Sciences, St George's Hospital Medical School, University of London, London SW17 0RE, England. Tel: +44 81 672 9944 Ext 55795. Fax: +44 81 784 2649.

Analysis of Glycoprotein Glycosylation, Practical Workshops – Advanced Automated Methods, November 2–4 1994, Oxford, England

Information: Fax: +44 235 554701.

**23rd Annual Meeting of The Society for Glycobiology
(previously called The Society for Complex
Carbohydrates), November 9–12 1994, Notre Dame, IN,
USA**

Information: Dr Subhash Basu, Dept of Chemistry and Biochemistry, University of Notre Dame, Notre Dame, IN 46556, USA. Tel: +219 631 5759. Fax: +219 631 7520.

**Third International Workshop on Carbohydrates as
Organic Raw Materials, November 28–29 1994,
Wageningen, The Netherlands**

Information: Carbohydrate Research Foundation, PO Box 96988, 2509 JJ The Hague, The Netherlands. Tel: +31 70 354 0982. Fax: +31 70 354 1851.

**Glycobiology of Inflammation, December 13–16 1994,
University of Sussex, England**

The Glycobiology Group of the British Biochemical Society.

Information: Dr Ten Feizi, Applied Immunological Research Unit, Clinical Research Centre, Harrow, England (*Organizer*).

**Eurocarb VIII, 8th European Carbohydrate Symposium,
July 2–7 1995, Seville, Spain**

Information: Professor M Gómez-Guillén, Departamento

de Química Orgánica, Facultad de Química, Apartado 553, E-41071 Sevilla, Spain.

**XIIIth International Symposium on Glycoconjugates,
August 20–26 1995, Seattle, Washington, USA**

Organizing Chairman: Sen-itiroh Hakomori

Abstracts will be published in a special issue of the *Glycoconjugate Journal*

Information: GLYCO XIII, c/o Convention Services Northwest, 1809 7th Avenue, Suite 1414, Seattle, WA 98101, USA.

**18th International Carbohydrate Symposium, July 21–26
1996, Milan, Italy**

Information: Prof B Casu, G. Ronzoni Inst for Chemical and Biochemical Research, Via G. Colombo 81, 20133 Milan, Italy. Fax: +39 270 633007.

**The 4th European Training Course on Carbohydrates, July
1996**

In collaboration with the Carbohydrate Group of the Italian Chemical Society

Information: Carbohydrate Research Foundation, PO Box 96988, 2509 JJ The Hague, The Netherlands. Tel: +31 70 354 0982. Fax: +31 70 354 1851.

Review

Glycobiology: Background and Development by José A. Cabezas.

This essay reviews the past 150 years of research on glycoconjugates and glycobiology. It contains detailed tables and figures listing review articles, books and international symposia and is a valuable resource for anyone interested in the historical development of the field. Dr Cabezas writes in an interesting style which emphasizes the origin of the words and concepts of glycobiology. He also traces the contributions of many of the key scientists in the

field. The essay ends with the author's views on future directions. The treatment of the subject and much of the information presented are quite unique and should be of general interest. The essay is based on a lecture given by Professor Cabezas at the University of Salamanca, Spain, in 1993. Copies, in English or Spanish, can be obtained from Professor A. Cabezas, Dept of Biochemistry and Molecular Biology, Avenida del Camp Charro, 37007 Salamanca, Spain (Fax: 34 23 294513).

Recent Books

Complex Carbohydrates in Drug Research: Structural and Functional Aspects, 1994. Edited by Klaus Bock and Henrik Clausen. This important book presents lectures and discussions by internationally-known scientists who attended the Alfred Benzon Symposium No. 36 in Copenhagen,

Denmark, and will be of interest to anyone involved in the role of carbohydrates as therapeutic agents. 454 pages. Munksgaard International Publishers, Nørre Søgade 35, P.O. Box 2148, 1016 Copenhagen, Denmark. Fax: 45 33 129387.