

Announcements and News

United States FDA Medical Device Update: Design Controls, GMP Requirements and Marketing Clearance, May 20–23 1996, Paris, France

An international meeting on FDA GMP and marketing regulations including the proposed new GMP requirements and how to comply with them. All three days will be presented by FDA's CDRH with a presentation by the European Commission. Sponsored by the French government.

Information: Zena Barrick, Medical Device Technology, Advanstar House, Park West, Sealand Road, Chester CH1 4RN, UK. Tel: +44 (0) 1244 378 888. Fax: +44 (0) 1244 370 011.

Courses at the Complex Carbohydrate Research Center (CCRC) of the University of Georgia, USA

The courses are supported jointly by the Department of Energy Plant and Microbial Carbohydrate Center and the NIH Biomedical Carbohydrate Resource Center of the CCRC.

June 10–14 1996: 'Separation and Characterization of Glycoprotein Oligosaccharides' is intended for scientists with little experience in carbohydrate analysis.

June 17–21 1996: 'Structural Analysis of Oligosaccharides' is intended for scientists with some experience with glycoconjugates or for those who have completed the first course, and will focus on techniques of composition and linkage analysis. Experience with basic biochemical techniques is a prerequisite for participation in the courses.

August 19–23 1996: 'MS and MS/MS Analysis of Glycoconjugates' is intended for scientists with an interest in mass spectrometry and some experience with glycoconjugates. Experience with MS is beneficial but is not required.

Information: Dr Roberta K. Merkle, Complex Carbohydrate Research Center, 220 Riverbend Road, The University of Georgia, Athens, Georgia 30602 4712, USA. Tel: +1 706 542 4402. Fax: +1 706 542 4412. Email: rmerkle@uga.cc.uga.edu

XVI International Congress of Clinical Chemistry, July 8–12 1996, London, UK

Information: PO Box 227, Buckingham, Bucks MK18 5PN, UK.

4th IUBMB Conference, The Life and Death of the Cell, July 14–17 1996, Edinburgh, UK

Themes: Cell growth, control and developments; Cell death mechanisms; Signal transduction and cellular targeting; Cellular fates of proteins; Cellular stress and protection mechanisms.

Poster contributions are encouraged.

Information: The Conference Assistant, 4th IUBMB Conference, The Biochemical Society, 59 Portland Place, London W1N 3AJ, UK. Tel: +44 171 580 5530. Fax: +44 171 637 7626.

The 4th European Training Course on Carbohydrates, July 14–18 1996, Stresa, Italy

In collaboration with the Carbohydrate Group of the Italian Chemical Society.

The course aims at introducing young academica (PhD students, Post-docs) and industrial workers to the modern principles, tools and trends of carbohydrate chemistry and technology.

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

Satellite Meeting of the XVIII ICS 'Conformational Studies of Carbohydrates', July 17–20 1996, Aoste, Italy

Information: Dr Massimo Ragazzi, Istituto Chimica Macromolecole CNR, via E Bassini 15C, 20133 Milan, Fax: +39 2236 2946.

ECCM 2, Second EuroConference on Carbohydrate Mimics, July 17–19 1996, Lago di Garda, Italy

Organized by the Commission of the European Commu-

nities Human Capital and Mobility Programme to provide an opportunity for young researchers to attend high level conferences on topics of current interest. In this regard, financial support will be available, for a maximum of 20 researchers. Priority will be given to researchers from less-favoured countries of the European Union. Individual beneficiaries must be either citizens of a European Union member state, or living and working on a research topic for at least one year in the EU. Top priority will be given to applicants under 35, having at least six years of higher education and a doctorate (or at least two years' research experience). Second priority will be given to postgraduate students with less than two years' research experience. Undergraduate students, professors and other senior scientists do not normally qualify for these fellowships. One of the aims of this conference is to contribute to the creation of durable links between research groups. Thus, in order to promote contacts during the meeting the number of participants will be limited to 100.

Information: Dr Yves Chapleur, ECCM 2, Université Henri Poincaré-Nancy 1, BP 239, F-54506 Vandoeuvre, France. Fax: +33 83 91 24 79. Email: ychapleur@meseb.u-nancy.fr.

Topics: Chemical synthesis, biological evaluation, conformational aspects of carbohydrate analogues including mono and oligosaccharides, nucleosides, nucleotides and cyclitols.

Organizing committee: Y. Chapleur (Nancy, France), H.-J. Altenbach (Wuppertal, Germany), J. Marco Contelles (Madrid, Spain), F. Nicotra (Milan, Italy), A.P. Rauter (Lisboa, Portugal), S.M. Roberts (Exeter, UK).

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.

4th International Workshop on Carcinoma-Associated Mucins (Sponsored by EACR), July 27–31 1996, Cambridge, UK

Contact: Dr Joyce Taylor-Papadimitrou or Dr Joy Burchell, Imperial Cancer Research Fund, 44 Lincoln's Inn Fields, London WC2A 3PX, UK. Tel: +44 171 269 3456/3362. Fax: +44 171 269 3094.

The 10th International Congress of Histochemistry and Cytochemistry, August 18–23 1996, Takaraga-ike, Kyoto, Japan

The aim of this Congress is to advance technologies that visualize molecular and biochemical aspects of cells and

tissues *in situ*, and apply these new techniques for investigations in biology, basic and clinical medicine.

Topics (preliminary list):- (immunohistochemistry, *in situ* hybridization, computerized image processing, cytophotometry and flow cytometry, confocal and other new microscopes, genetic engineering, histochemistry of enzymes, histochemistry of carbohydrates); Cell (nucleus and chromosome, cytoskeleton and intracellular transport, cell surface and adhesion molecules, receptors and signal transduction, cell cycle and growth, apoptosis and cell death); System (immune system – autoimmune diseases, histochemical approach to neuroscience, cancer – genes and phenotypes, clinical application); 30 years of enzyme-labelled antibodies.

Application: Registration forms can be obtained by writing to Professor Y. Ibata, Chairman, Organizing Committee, The 10th International Congress of Histochemistry and Cytochemistry, c/o Academic Conference Planning, 383 Murakami-cho, Fushimi-ku, Kyoto 612, Japan. Tel: +81 75 611 2008. Fax: +81 75 603 3816.

Deadline for submission of abstracts is March 31, 1996.

The 212th American Chemical Society National Meeting, August 25–29 1996, Orlando, Florida

Deadline for abstracts: April 15 1996.

Please contact the following Symposium organisers for more information:

Antitumor-active carbohydrates: David C. Baker, Department of Chemistry, University of Tennessee, Knoxville, TN 37996, USA. Tel: +1 615 974 1066. Manssur Yalpani, CarboMer Inc., P.O. Box 721, Westborough, MA 01581, USA. Tel: +1 617 239 2338.

Solution and solid-phase synthesis of oligosaccharides and glycopeptides (co-sponsored by ORGN): O. Hindsgaul, Department of Chemistry, University of Alberta, Edmonton, Alberta T6G 2GN, Canada. Tel: +1 403 492 4171. D.E. Kahne, Department of Chemistry, Princeton University, Princeton, NJ 08544, USA. Tel: +1 609 258 1165.

Biogenesis of storage polysaccharides: W.J. Whelan, Department of Biochemistry, University of Miami School of Medicine, P.O. Box 016129, Miami, FL 33101, USA. Tel: +1 305 243 6266.

Glycobiology (co-sponsored by BIOL): H.-W. Liu, Department of Chemistry, University of Minnesota, 207 Pleasant Street SE, Minneapolis, MN 55455, USA. Tel: +1 612 625 5356. C.H. Wong, Department of Chemistry, Scripps Research Institute, La Jolla, CA 92037, USA. Tel: +1 619 554 4487.

Recent advances in carbohydrate chemistry: Gary R. Gray, Department of Chemistry, University of Minnesota, 207

Pleasant Street SE, Minneapolis, MN 55455, USA. Tel: +1 612 625 1068.

Contributed papers: A.D. French, USDA-ARS, Southern Regional Research Center, PO Box 19687, New Orleans, LA 70179, USA. Tel: +1 504 286 4250. Email: afrench@nola.srrc.usda.gov

Second Electronic Glycoscience Conference (EGC-2), September 9–20 1996

This conference will be held on the Internet and World Wide Web. Papers and posters can be presented on the Web but authors may opt for permanent publication of their presentations either as a regular journal article in a special issue of *Glycoconjugate Journal* or on a CD-ROM on the Glycosciences.

Themes: Glycosyltransferases; Glycoimmunology; Primary Structure Determination; Glycolipids; Organic Synthesis; Molecular Modelling, Design and Informatics; Lectins; Polysaccharides and Cellulose; Proteoglycans and Glycosaminoglycans; Glycomedicine; Carbohydrate Biotechnology; Glycobiology; Crystallography; NMR; Function of Carbohydrates in Biological Systems; and Perspectives.

A detailed program including submission and registration details will be posted to the glycosci newsgroup and the glycoscience interest group mailing list later in March.

First Australasian Conference on 'The Chemistry and Biochemistry of Sialic Acid-Recognising Proteins', September 30–October 4 1996, Melbourne, Australia

Organizer: Dr Mark von Itzstein.

Information: Miss Fiona Crone, Department of Medicinal Chemistry, Victorian College of Pharmacy, Monash University (Parkville Campus), 381 Royal Parade, Victoria 3052, Australia. Fax: +61 3 9903 9672. Email: fiona.crone@vcp.monash.edu.au.

Starch 96, October 7–8 1996, Groningen, The Netherlands

Information: Mrs Ellen Jansen, Carbohydrate Research Foundation, PO Box 96882, 2509 JG The Hague, The Netherlands. Fax: 31 7035 15318. Email: zijlstra@zes-tec.nl

The 4th Jenner International Glycoimmunology meeting, November 12–15 1996, Athens, Greece

This meeting is the fourth to be held since 1990 and is now the established forum for presentation and discussion of data related to glycoimmunology. The meetings bring in clinical and basic research workers with a wide spectrum of interests ranging from the pathogenesis of rheumatoid

arthritis through the mechanisms of cell migration, to the molecular biology of the glycosyltransferases.

Topics: glycobiology, the basics; oligosaccharides and biological function; oligosaccharides and inflammation; oligosaccharide protein interactions; glycosylation and disease; and carbohydrate therapeutics.

Plenary lectures and posters will be published on the World Wide Web and an electronic glycoimmunology conference will be held in parallel to the on-going meeting. Electronic participants will be invited to discuss data with real participants.

Information: Dr John S. Axford, Dept of Cellular and Molecular Science, St George's Hospital Medical School, Cranmer Terrace, London SW17 0RE, UK. Email: sggf500@sghms.ac.uk

Annual meeting of the Glycobiology Society, November 24–26 1996, Boston, USA

Contact: Dr Vernon N. Reinhold, Mass Spectrometry Resource, Department of Microbiology, Boston University Medical Center, 80 East Concord Street, Boston, MA 02118-2394, USA. Tel: +1 617 638 6762. Fax: +1 617 638 6761. Email: vern@yuki.bu.edu

Eurocarb-9, 9th European Carbohydrate Symposium, Utrecht, The Netherlands, July 6–11 1997

Information: Secretariat Eurocarb-9, Bijvoet Center, Department of Bio-Organic Chemistry, Utrecht University, P.O. Box 80.075, 3508 TB Utrecht, The Netherlands.

IUBMB 17th International Congress of Biochemistry and Molecular Biology, August 24–29 1997, San Francisco, USA

In conjunction with the Annual Meeting of the American Society for Biochemistry and Molecular Biology

Scientific Programme: Regulation of the Cell Cycle: DNA Repair, Recombination and Replication; Receptors and the Signals that they Transduce; Extracellular Matrix/Cell Matrix Interactions; Lipid Mediators; Biochemistry and Molecular Biology of Sensory Systems; Synaptic Transmission and Neurobiology of Learning; Molecular Basis for Cell Specialisation (Differentiation and Development); Pattern Formation during Development; Regulation of Gene Expression; RNA Processing and Editing; Translational Control; Regulation of Protein Turnover/Degradation; Structural Basis of Macromolecular Functions; Assisted Protein Folding and Chaperones; Prediction of Protein Structure/Function from Sequence; Enzyme Mechanisms and Catalysis; Designing Small and Large Molecules; Intracellular Sorting and Trafficking; Glycobiology; Lipid Modification of Proteins; Membrane

Channels and Permeases; Genome Analysis; Gene Therapy; Molecular Basis of Human Diseases; Cancer; Molecular and Biochemical Basis of the Pathogenesis of Infectious Diseases; AIDS – Present and Future; Molecular Biology of Ageing; Mechanical Processes in Biological Systems; Plant Molecular Biology; Bioenergetics; Ribozymes; Metabolic Regulation.

Contact: Charles Hancock, ASBMB, 9650 Rockville Pike, Bethesda, Maryland 20814-3996, USA. Fax: +1 301 571 1824.

Glyco XIV, International Symposium on Glycoconjugates, Zürich, Switzerland, September 7–13 1997

Information: Dr Jurgen Roth, Division of Cell and Molecular Pathology, Department of Pathology, University of Zürich, Schmelzbergstrasse 12, 8091 Zürich, Switzerland. Fax: +41 1 255 4407. Email: zellpatho@aeolus.vmsmail.ethz.ch

AWARDS

The Electronic Glycosciences Conference (EGC-1) organized by Barry Hardy and Iain Wilson in September, 1995, has announced that the Young Glycoscientist's Award has been shared between Karen Allendoerfer of the Division of Biology at Caltech, Pasadena, California, USA and Sally Stringer of the Department of Medical Oncology at the Patterson Institute for Cancer Research, Christie Hospital, Manchester, UK.

The presentation of Karen Allendoerfer was: 'The Carbohydrate Recognition Molecule LeX is Expressed in Regionally-Restricted Subpopulations of Progenitor Cells in the Embryonic Central Nervous System' by K. L. Allendoerfer, J. L. Magnani and P. H. Patterson.

The presentation of Sally Stringer was: 'Specific Binding of the Angiostatic Protein Platelet Factor 4 to Heparan Sulphate' by S. E. Stringer and J. T. Gallagher.