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## Announcements

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### **Role of Sialic Acids and Sialidases in Molecular Recognition Phenomena, 20-24 October, 1991**

#### *Preliminary programme:*

Sialic acids, structure and metabolism. Alterations in transformed cells, diseases associated with altered transport and metabolism.

Sialidases from microorganisms and higher organisms.

Properties, cloning, genetic, sialidosis.

Recognition of sialic acids and desialylated structures by lectins and hormones.

Pathophysiological consequences, role in organogenesis.

Sialic acids, sialidases and immunity.

*Organizers:* C. R. Lambré (INSERM U.139), A. P. Corfield (Bristol, UK), J. C. Michalski (CNRS-UMR 111), R. Schauer (Kiel, RFA)

*Speakers:* J. F. Bouhours (France), R. Brossmer (Germany), A. P. Corfield (UK), P. Delanoy (France), T. Feizi (UK), H. J. Gabius (Germany), H. Galjaard (The Netherlands), I. Goldstein (USA), M. D. Kazatchkine (France), Y. Landry (France), A. Lepers (France), P. Louisot (France), T. Miyagi (Japan), M. Monsigny (France), M. E. A. Pereira (USA), Y. Pilatte (France), P. Roggentin (Germany), J. Roth (Switzerland), R. Schauer (Germany), C. C. Sweeley (USA), G. Tettamanti (Italy), H. Van den Eijnden (The Netherlands), A. T. Vasella (Switzerland), J. F. G. Vliegthart (The Netherlands), R. Y. Webster (USA), E. Zbiral (Austria)

Scientists wishing to attend this conference have to submit an application form to INSERM Symposia Department, 101, rue de Tolbiac, 75654 Paris, Cedex 13, France (Tel.: 45.84.14.41 extension 40.65 or 40.10; Telex: INSERM 270 532F; Fax: 45.85.68.56) before 15 May, 1991.

### **Keystone Symposia on Molecular and Cellular Biology - Glycobiology II, Park City, UT, USA, 21-27 March, 1992**

#### *Topics*

Emerging analytical technologies; Lectins and glycosyl-

transferases; Pharmaceutical interests in glycobiology; Glycosylation and human disease; Biology of glycosaminoglycans; Glycoconjugates in cellular recognition and adhesion; Glycoconjugates and cellular metabolism.

*Information:* Keystone Symposia, Drawer 1630, Silverthorne, CO 80498, USA.

### **XVIth International Carbohydrate Symposium, Paris, France, 5-10 July, 1992**

The scientific programme will cover all aspects of the chemistry and biochemistry of carbohydrates. This will include plenary and invited session lectures, and poster sessions. A two-day pre-symposium dealing with the industrial perspectives of carbohydrate chemistry will take place in Lyon (France).

The following headings will be used to group symposium contributions:

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

*Synthesis:* new methods and synthesis of bio-molecules 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.

*Applied and industrial aspects:* various uses of carbohydrates in industry.

*Enquiries should be addressed to:* Professor Jean-Claude Depezay, General Secretary, XVIth International Carbohydrate Symposium, Laboratoire de Chimie URA 400, Université René Descartes, 45, rue des Saints-Pères, 75270 Paris, Cedex 06, France

# 1992 Keystone Symposia

## on Molecular & Cellular Biology Announces:

### GLYCOBIOLOGY II

Organizers: *Joseph Welply and Gerald Hart*  
March 21-27, 1992; Park City, Utah

Sat 3/21—Registration

Sun 3/22—EMERGING ANALYTICAL TECHNOLOGIES: **A. Dell\***, Imperial Coll-UK; **K. Duffin**, Monsanto Co; **H. Van Halbeek**, Univ Georgia-Athens; **P. Jackson**, Univ Cambridge-UK; **R. Hecht**, Monsanto Co

CHO BINDING PROTEINS: LECTINS AND GLYCOSYLTRANSFERASES: **R. Cummings\***, Univ Georgia-Athens; **Y. Lee**, Johns Hopkins Univ; **F. Quioco**, Baylor Coll Med; **J. Lowe**, Univ Michigan-Ann Arbor; **J. Lau**, Roswell Park Memorial Inst

Mon 3/23—PHARMACEUTICAL INTERESTS IN GLYCOBIOLOGY: **O. Hindsgaul\***, Univ Alberta; **J. Paulson**, Cytel Inc; **R. Parekh**, Oxford Univ-UK; **E. Conrad**, Glycomed Inc; **D. Cumming**, Genetics Inst

GLYCOSYLATION AND HUMAN DISEASE: **A. Kobata\***, Univ Tokyo-Japan; **T. Feizi**, Clinical Rsch Ctr-UK; **J. Dennis**, Mt Sinai Hosp-Canada; **N. Sharon**, Weizmann Inst Science-Israel; **T. Rademacher**, Univ Oxford-UK

Tues 3/24—BIOLOGY OF GLYCOSAMINOGLYCANS: **U. Lindahl\***, Swedish Univ Agric-Sweden; **R. Linhardt**, Univ Iowa; **B. Toole**, Tufts Univ-New England Med Ctr; **M. Bernfield**, Harvard Univ Med Sch; **J. Esko**, Univ Alabama-Birmingham; **SELECTED TALKS FROM ABSTRACTS**

Wed 3/25—GLYCOSYL PHOSPHATIDYLINOSITOLS: **M. Ferguson\***, Univ Dundee-UK; **T. Doering**, Johns Hopkins Univ Sch Med; **A. Saltiel**, Warner Lambert Co; **S. Turco**, Univ Kentucky Med Ctr; **M. Mc Conville**, Walter & Eliza Hall Inst

Banquet Address: **K. Drickamer**, Columbia Univ

Thur 3/26—GLYCOCONJUGATES IN CELLULAR RECOGNITION AND ADHESION: **S. Rosen\***, Univ California-San Francisco; **M. Burger**, Friedrich Miescher Inst-Basel; **K. Karlsson**, Univ Goteberg-Sweden; **B. Shur**, MD Anderson Hosp; **S. Hakomori**, Univ Washington

GLYCOCONJUGATES AND CELLULAR METABOLISM: **A. Varki\***, Univ California-San Diego; **R. Haltiwanger**, Johns Hopkins Univ Sch Med; **J. Wang**, Michigan State Univ; **A. Mercurio**, Harvard Univ Med Sch; **M. Fukuda**, La Jolla Cancer Rsch Fndn

Fri 3/27—Departure

#### POSTER SESSIONS

- 1 Applications of Technology for Characterization of Physical and Structural Properties of Oligosaccharides, Lectins and Glycosyltransferases
- 2 The Role of Glycosylation in Human Disease: Possibilities for Therapeutic Intervention
- 3 The Biological Function of Glycosaminoglycans, Glycosylphosphatidylinositols and other Complex Carbohydrates
- 4 Glycoconjugates and the Cell: Organelles, Extracellular Matrix, Cell-Cell Recognition, and Development
- 5 Selected Posters from Previous Sessions

### INTEGRINS: CELL ADHESION AND TRANSMEMBRANE COMMUNICATION IN DEVELOPMENT AND DISEASE

Organizers: *Robert Pytela and Vito Quaranta*  
April 3-10, 1992; Keystone, Colorado

Sponsored by: *Genentech, ICI Pharmaceuticals, R.W. Johnson Pharmaceutical Rsch Inst and SmithKline Beecham Pharmaceuticals*

Fri 4/3—Registration

Sat 4/4—INTEGRINS: EXPRESSION AND LIGAND BINDING: **C. Buck**, Wistar Inst; **D. Cheresch**, Scripps Clinic Rsch Fndn; **M. Pierschbacher**, La Jolla Cancer Rsch Fndn; **K. Yamada**, NIH

CELL MATRIX INTERACTIONS IN DEVELOPMENT: **R. Hynes**, Massachusetts Inst Technol; **E. Ruoslahti**, La Jolla Cancer Rsch Fndn; **M. Bernfield**, Harvard Univ Med Sch; **Z. Werb**, Univ California-San Francisco; **L. Reichardt**, Univ California-San Francisco

Sun 4/5—REGULATORY PATHWAYS INVOLVING INTEGRINS: **M. Schwartz**, Scripps Research Inst; **S. Shattil**, Univ Pennsylvania Hosp; **E. Plow**, Scripps Clinic Rsch Fndn

CYTOSKELETON-PLASMA MEMBRANE INTERACTIONS: **B. Geiger**, Weizmann Inst Sci-Israel; **J. Jones**, Northwestern Univ; **A. Horwitz**, Univ Illinois

Mon 4/6—CANCER AND METASTASIS: **A. Vaheri**, Univ Helsinki-Finland; **R. Kramer**, Univ California-San Francisco; **M. Shuman**, Univ California Med Ctr

INDUCTION PHENOMENA-I: **J. Thiery**, CNRS-France; **P. Sternberg**, California Inst Technol

Tue 4/7—THROMBOSIS, PLATELETS AND ENDOTHELIUM: **M. Ginsberg**, Scripps Clinic Rsch Fndn; **D. Phillips**, Cor Therapeutics; **E. Dejana**, Inst Mario Negri-Italy

INFLAMMATION AND IMMUNITY: **T. Springer**, Ctr Blood Rsch-Boston; **M. Hemler**, Dana-Farber Cancer Inst; **J. Harlan**, Harborview Med Ctr; **I. Weissman**, Stanford Univ

Wed 4/8—DIFFERENTIATION AND DEVELOPMENT: **M. Bissell**, Lawrence Berkeley Lab; **M. Wilcox**, Med Rsch Council-UK; **L. Fessler**, Univ California-Los Angeles; **C. Damsky**, Univ California-San Francisco; **R. Chiquet-Ehrisman**, Friedrich Miescher Inst-Basel

Thur 4/9—EPITHELIAL PHENOTYPE AND DIFFERENTIATION: **W. Carter**, Fred Hutchinson Cancer Ctr; **F. Watt**, Imperial Cancer Rsch Fndn-UK

Fri 4/10—Departure

#### POSTER SESSIONS

- 1 Integrins: Expression and Ligand Binding; Cell Matrix Interactions in Development
- 2 Regulatory Pathways Involving Integrins; Cytoskeleton-Plasma Membrane Interactions
- 3 Cancer and Metastasis; Induction Phenomena
- 4 Thrombosis, Platelets and Endothelium; Inflammation and Immunity
- 5 Differentiation and Development
- 6 Epithelial Phenotype and Differentiation