

GLYCOLIPIDS

A Short Course

by

The American Oil Chemists' Society

June 6-8, 1975

Given Institute of Pathobiology, Aspen, Colorado

Program Chairman: Lloyd A. Witting - Local Arrangements: Oscar Reiss

PROGRAM

June 6

SESSION I: Chairman, John R. Wherrett

Nomenclature of Glycosphingolipids

Robert M. Burton, associate professor, Department of Pharmacology, Washington University School of Medicine, St Louis, Mo.

Extraction and Analysis of Materials Containing Sialic Acid

Eric G. Brunngraber, administrative research scientist, Illinois Department of Mental Health, Chicago, Ill.

Nervous System Gangliosides

Robert Ledeen, associate professor of biochemistry, Neurology Department, Albert Einstein College of Medicine, Bronx, N.Y.

Gangliosides of Nonnervous Tissue

John R. Wherrett, associate professor, Department of Medicine (Neurology) University of Toronto, Toronto, Canada

SESSION II: Chairman, Lloyd A. Witting

Studies on the Distribution of Glycolipid in Tissues by Immunological Techniques

Donald M. Marcus, associate professor, Department of Medicine, Albert Einstein College of Medicine, Bronx, N.Y.

Glycolipids Turnover in Lysosomal Storage Diseases

Michel Philippart, associate professor, Neuropsychiatric Institute, University of California, Los Angeles, Calif.

Synthetic Inhibitors of Glycosphingolipid Metabolism

Norman S. Radin, research biochemist, Mental Health Research Institute, University of Michigan, Ann Arbor, Mich.

Enzyme Replacement Therapy for Gaucher's Disease: A New Dimension in Sphingolipid Research

Peter G. Pentchev and Roscoe O. Brady, Developmental and Metabolic Neurology, NINDS, National Institutes of Health, Bethesda, Md.

June 7

SESSION III: Chairman, Alan D. Elbein

The Metabolism and Function of Phosphoglycosyl Diglycerides

Ronald Pieringer, associate professor, Department of Biochemistry, Temple University School of Medicine, Philadelphia, Pa.

Sulfatides: Major Glycolipids of Chordate Testis and Spermatozoa

R.K. Murray, University of Toronto, Toronto, Canada

Structure of Extracellular Glycolipids Produced by Yeast

Alexander P. Tulloch, Prairie Regional Research Labora-

tory, National Research Council, Saskatoon, Sask., Canada

SESSION IV: Chairman, Alan D. Elbein

Biosynthesis of Steryl Glucosides and Acylated Steryl Glucosides in Plants

Alan D. Elbein, professor, Department of Biochemistry, University of Texas Health Science Center, San Antonio, Tex.

The Role of Mono- and Oligosaccharide-Dolichol Derivatives in the Biosynthesis of Mammalian Glycoproteins

Edward Heath, professor and chairman, Department of Biochemistry, University of Pittsburgh School of Medicine, Pittsburgh, Pa.

Metabolism of Sugar Polyprenols in Plants

W.T. Forsee, Department of Biochemistry, University of Texas Health Science Center, San Antonio, Tex.

June 8

SESSION V: Chairman, John M. McKibbin

Structure Studies on Human and Canine Intestinal Fucolipids

John M. McKibbin, professor and chairman, Department of Biochemistry, University of Alabama, Birmingham, Ala.

Gastric A- and B-Active Glycolipids: Micro- and Macroheterogeneity

Martin I. Horowitz, professor, Department of Biochemistry, New York Medical College, Valhalla, N.Y.

Specific Microanalysis of Intact Fucolipids and Other Glycolipids by Mass Spectrometry

Karl A. Karlsson, Department of Medical Biochemistry, University of Goteborg, Goteborg, Sweden

SESSION VI: Chairman, John M. McKibbin

Blood Group Glycolipids in Normal and Tumor Tissue

Sen-Itiroh Hakomori, professor, Department of Pathobiology, University of Washington, Seattle, Wash.

Fucolipids and Viral Transformation

Sheldon Steiner, Department of Virology and Epidemiology, Baylor College of Medicine, Houston, Tex.

Biosynthesis in vitro of Neutral Glycosphingolipids in Normal Tissues and Cultured Cells

Subhash Basu, Department of Chemistry, University of Notre Dame, Notre Dame, Ind.

Studies on the Use of Carbohydrate Containing Ligands in the Affinity Chromatography of Neutral Glycosphingolipid Hydrolases

Charles C. Sweeley, professor, Department of Biochemistry, Michigan State University, East Lansing, Mich.

GENERAL INFORMATION

Aspen is situated in the Rocky Mountains at the elevation of ca. 8700 ft. Temperatures during the month of June will range from 40-85 F. You are urged to bring clothing for chilly mornings and evenings, as well as a rain coat in the event of showers which can occur at this time of the year. Comfortable casual dress is worn during the meetings. The Conference sessions will be held in the Given Institute of Pathobiology located at 100 E. Francis Ave., five blocks from the headquarters, Hotel Jerome, and six-seven blocks from the other lodges where attendees will be housed. Walking in the crystal-clear high mountain air will be the order of the day.

LIMITED ENROLLMENT: The Given Center is an ideal setting for a working-learning short course. However, space limitation will restrict the enrollment. Therefore, early registration will be necessary to ensure space at this short course.

PROGRAM AND SCHEDULING: The short course on glycolipids will include subject matter in four general subject areas: globosides and flucosides and gangliosides, glycolipids not containing sphingosine, and treatments of inborn errors of glycolipid metabolism. Each portion of the program will include discussion of structures and distribution, isolation and analysis, and biochemistry and physiological significance of these lipids. Emphasis will be on methodology. The conference will open on the morning of June 6 and will end by 1:00 p.m. on June 8. One evening session will be scheduled. Ample opportunity will be provided for interaction with speakers.

REGISTRATION: Registration will open at 2:00 a.m. June 5 at the Hotel Jerome. Beginning at 7:30 a.m. on June 6, registration will be at the Given Center.

FEES: A special reduced rate is offered to those participants prepaying with registration by May 5, 1975. Fees include:

	Prepaid by May 5, 1975	On site
AOCS Members	\$150.00	\$175.00
Nonmembers	175.00	200.00
Students	50.00	75.00

HOUSING: Rooms have been reserved for short course participants at four different lodges in Aspen. Rates are ca. the same in all lodges and range from \$14.00/night single occupancy to \$24 double occupancy. AOCS will, of necessity, assign accommodations to all participants because all the lodges require minimum confirmations to hold space. Additional larger accommodations will be made available to participants wishing to bring their families. Rates are available upon request. A \$20.00 deposit is required for all housing reservations and must be included with registrations.

TRAVEL: Aspen is served through Denver, Colo., by Aspen airways and the Colorado Skiways commuter. Bus service is also available through Denver. Those wishing to drive will find the trip from Denver very scenic. Distance varies from 160-220 miles (3.5-4.5 hr) depending upon the route selected.

MATERIAL: Speakers will prepare special printed materials, including topic outlines and bibliographies, for all participants. In addition, the printed program will include paper abstracts.

DEADLINES: Because of the necessity to limit the enrollment, participants are encouraged to register early. The deadline to qualify for reduced fees is May 5, 1975. Additional registration forms are available from: Executive Director, AOCS, 508 S. Sixth St., Champaign, Ill. 61820 or call (217) 359-2344.

REGISTRATION FORM

GLYCOLIPIDS: An American Oil Chemists' Society Short Course

June 6-8, 1975, Aspen, Colorado

Return completed form to: AOCS Glycolipid Short Course, 508 S. Sixth Street, Champaign, Illinois 61820

Name _____ Title _____

Address _____

City _____ State _____ Zip _____

AOCS Member	<input type="checkbox"/>	\$175.00	or	<input type="checkbox"/>	\$150.00 (payment enclosed)
Nonmember	<input type="checkbox"/>	200.00	or	<input type="checkbox"/>	175.00 (payment enclosed)
Students	<input type="checkbox"/>	75.00	or	<input type="checkbox"/>	50.00 (payment enclosed)

(Note: The lower rates apply only when prepayment is included with this registration)

Accommodations needed (\$20.00 deposit required with Short Course registration):

Single _____
 Double _____ sharing with _____
 Twin _____ sharing with _____
 Other _____ sharing with _____

Arrival: Date _____ Time _____ Departure: Date _____ Time _____

(Note: Hotel reservations will be held only until 6 p.m. unless the hotel is notified in advance of later arrival)