

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 Gangliosides 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.