



SYMPOSIUM
GLYCOSTRUCTURES IN BIOSYSTEMS XIII
Symposium of the Resource Center
470



December 01, 2004

University of Hamburg

Department of Chemistry
Library North Wing
Martin-Luther-King-Platz 6
20146 Hamburg

- 14:00 **Joachim Thiem**, Dean, Dept. of Chemistry
Opening
- 14:15 **Bernard Henrissat**, Marseille, France
The Carbohydrate-Active Enzymes Database
- 14:55 **Terri Camesano**, Worcester, USA
Probing the Properties of Microbial Polysaccharides with Atomic Force Microscopy and Single-Molecule Force Spectroscopy
- 15:35 Coffee & Poster Session
- 16:05 **Thisbe Lindhorst**, Kiel, Germany
Mannose-Specific Bacterial Adhesion: Sugar Binding to FimH
- 16:45 **Piet Herdewijn**, Leuven, Belgium
Properties of Nucleic Acids with a Six-Membered 'Carbohydrate Mimic' in the Backbone Structure
- 17:25 **John Gunn**, Columbus, USA
Regulated Modification of Bacterial LPS
- 18:05 End of Session
-



SYMPOSIUM
GLYCOSTRUCTURES IN BIOSYSTEMS XIII
Symposium of the Resource Center
470



December 02, 2004

University of Hamburg

Department of Chemistry
Library North Wing
Martin-Luther-King-Platz 6
20146 Hamburg

- 9:00 **Philippe Gallay**, La Jolla, USA
Interplay Between HIV and Host Sulfations
- 9:40 **Jeff Kaplan**, Newark, USA
A Novel Glycosyl Hydrolase that Degrades Biofilm Matrix Polysaccharides
- 10:20 Coffee & Poster Session
- 11:10 **Armin Geyer**, Marburg, Germany
Sugar Helices with a Cap: NMR Analysis of a Homologous Series of Oligosaccharides from Cyanobacteria
- 11:50 **Minoru Fukuda**, La Jolla, USA
Functional Diversity of Mammalian Glycans
- 12:30 Lunch Break
- 14:30 **Thomas Peters**, Lübeck, Germany
NMR Studies on Retaining and Inverting Galactosyltransferases - Mechanistic Implications
- 15:10 **Chris Whitfield**, Guelph, Canada
Biosynthesis of the Core Oligosaccharide Region of Lipopolysaccharides in the Enterobacteriaceae
- 15:50 Coffee & Poster Session
- 16:20 **Feng Ni**, Montreal, Canada
Quantitative NMR Relaxation Dispersion Experiments in the Design of Polypeptide Therapeutics
- 17:00 **Koichi Honke**, Osaka, Japan
Biological Functions of Sulfoglycolipids
- 17:40 End of Session
-



SYMPOSIUM
GLYCOSTRUCTURES IN BIOSYSTEMS XIII
Symposium of the Resource Center
470



December 03, 2004

University of Hamburg

Department of Chemistry
Library North Wing
Martin-Luther-King-Platz 6
20146 Hamburg

- 9:00 **Johannes Hübner**, Boston, USA
Role of Capsular Polysaccharides and Biofilm in the Pathogenesis of Enterococcal Infections
- 9:40 **Biao Yu**, Shanghai, China
Plant Saponins: Synthesis and Antitumor Activities
- 10:20 Coffee & Poster Session
- 11:10 **Andrej Hasilik**, Marburg, Germany
Lessons from Lysosomal Glycostructures, their Functions and Processing
- 11:50 **Michael Schreiber**, Hamburg, Germany
The Role of N-Glycans in HIV-1 Infection
- 12:30 Lunch Break
- 14:30 **Masakatsu Hato**, Tsukuba, Japan
Synthetic Glycolipid/Water Systems. - Physicochemical and Biochemical Features -
- 15:10 **Corinna Herrmann**, Konstanz, Germany
Activation of the Innate Immune System by Bacterial Glycolipids
- 15:50 Coffee & Poster Session
- 16:20 **Monica Palci**, Edmonton, Canada
Structure-Function Studies on Mutant ABO Glycosyltransferases
- 16:50 End of Session
-