

Workshop on Carbohydrate Research
from quantum chemistry and
analytical chemistry to glycobiology

Dr. Poe Lecture Hall,
Institute of Atomic and Molecular Sciences, Academia Sinica, Taipei, Taiwan



List of Poster Presentations

No.	Name	Poster Title
1	Kenee Kaiser Custodio	Accelerated Conformational Search of N-Acetylated Hexosamines using Neural Network Potentials
2	Yen-Ting Lin	Structural diversity at the beginning of multicellular eukaryotic complex N-glycan biosynthesis
3	Huu Trong Phan	Unraveling the low-energy conformers of di-saccharides with first-principles accuracy assisted by neural network potentials
4	WeiChien Weng	Full Identification of High Mannose Type N-Glycopeptides with Mass Spectrometry
5	Thi Truc Quyen Vo	An investigation of the energy barrier in aldohexose ring-opening reactions assisted by neural network potential
6	Wun-Long Li	Structural determination of fructooligosaccharides in onions using using logically derived sequence tandem mass spectrometry
7	Cao Hieu Dong	Quantum-Derived Neural Network Potentials Elucidate Peptide Bond Isomerization, Charge State Stability, and Secondary Structure Distribution in Short Oligopeptides of Glycine, Alanine, and Sarcosine
8	Jian-Liang Chen	De novo determination of fucose linkages in N-glycans
9	Yong Heum Na	Developmental N-Glycome Analysis and Retrosynthetic Pathway Construction in Caenorhabditis elegans
10	Hock-Seng Nguan	Differentiation of glucose, mannose, and galactose by CID mass spectrometry using sodium ion
11	Jae Young Yu	Glycolipid Structure Elucidation from Glycan Headgroups to Ceramide Double Bond Localization Using Complementary CID and OAD Analyses
12	Pei Chen Fang	Characterization of Helicobacter pylori cholesterol α -D-glucosyltransferase
13	Jonghyun Seol	A Log P-Guided LC-MS/MS Framework for Retention Time Modeling and Identification of Brain Gangliosides
14	Pei Hsuan Chen	Synthesis and evaluation of thiogalactoside-derived galectin-4 inhibitors
15	Hye Kyeong Jeong	CID - EAD Combined LC-MS/MS Approach for Site-Specific Identification of Immunogenic Glycans in Cetuximab
16	Tsai-Tzu Cheng	Synthesis of C5-substituted Isofagomines as Glucosidase Inhibitors
17	Dongtan Yin	Label-Free CE-MS Profiling of Glycan Critical Quality Attributes in Erythropoietin Products
18	Hsin-Li Lai	Large-scale preparation of lipid A from Escherichia coli
19	Nari Seo	Resolving Uronic Acidic Isomers from Marine Polysaccharides via Derivatization-Free LC-MRM

