

Speakers

Day 1. Functional Glycomics, Lectins and Glycosyltransferases (IL1-11)

IL1. Fu-Tong Liu (IBMS, Academia Sinica, Taiwan)

"Glycan recognition in inflammation and immunity"

IL2. Akira Togayachi (Research Center for Medical Glycoscience, AIST, Japan)

"Immunological disfunction analysis of mice lacking polylactosamine synthase"

IL3. Rajiv D. Kalraiya (ACTREC, Tata Memorial Centre, India)

"Cancer cell surface glycosylation and lung specific metastasis"

IL4. Jin-ichi Inokuchi (Tohoku Pharmaceutical University, Japan)

"Towards Understanding the Patho/Physiological Functions of Gangliosides"

IL5. Alice Yu (GRC, Academia Sinica, Taiwan)

"Glycan targeted cancer immunotherapy and use of NKT-stimulatory glycolipids as vaccine adjuvant"

IL6. Eok-Soo Oh (Ewha Womans University, Korea)

"Syndecan; cell surface heparansulfate proteoglycan as a possible diagnostic marker for colon cancer"

IL7. Nam-On Ku (Yonsei University, Korea)

"Cytoskeletal keratin glycosylation protects from epithelial tissue injury"

IL8. Kazuaki Ohtsubo (Department of Disease Glycomics, ISIR, Osaka University, Japan)

"Prevention of diet-induced diabetes by correction of disordered protein N-glycosylation in pancreatic beta cells"

IL9. Anjali A. Karande (Indian Institute of Science, Bangalore, India)

"Role of glycosylation in the function of Glycodelin"

IL10. Yuanyuan Ruan (Shanghai Medical College of Fudan University, China)

"Platelet may be involved in B-CLL progression through CLEC-2/CD74 interaction"

IL11. Lakshmanan Jagannathan (AU-KBC research centre MIT, Anna University, India)

"Unraveling glycogenome of *Mycobacterium tuberculosis*"

Day 2. Analytical Glycomics and Glycoproteomics (IL12-17)

IL12. Musti J. Swamy (University of Hyderabad, India)

"Purification, macromolecular characterization and carbohydrate-binding properties of two phloem exudate lectins from Cucurbitaceae"

IL13. Kasinadar

Veluraja (Manonmaniam Sundaranar University, India)

"Exploration of conformational space for glycans of glycoconjugates and protein-glycan complexes through molecular dynamics simulation"

IL14. Chung-Hsuan Chen (GRC, Academia Sinica, Taiwan)

"Novel mass spectrometry technologies for large polysaccharide detection"

IL15. Pengyuan Yang (Fudan University, China)

"Structure analysis by mass spectrometric based glycoproteomics"

IL16. Yong Sam Kim (KRIBB, Korea)

"Multi-lectin-based biomarker discovery for liver cancer"

IL17. Injae Shin (Yonsei University, Korea)

"Glycan Microarrays as a core technology for functional glycomics."

Xiaohong Qian (Beijing Proteome Research Center, China)

"Development and application of novel strategies for the studies of glycoprotein and glycoproteome"

Day 3. Chemical Glycobiology & Synthesis (IL18-24)

Special Lecture by Chi-Huey Wong (President, Academia Sinica)

"Post-translational glycosylation : Challenges and opportunity"

IL18. Biao Yu (Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China)

"Glycosylation initiated cationic ring-opening polymerization of tetrahydrofuran to prepare neo-glycopolymers"

IL19. Eun Ji Joo (Seoul National University, Korea)

"Anticancer mechanism of acharan sulfate"

IL20. Katsunori Tanaka (Osaka University, Japan)

"Visualization of N-Glycan dynamics in living animals: A new strategy from synthetic chemistry & molecular imaging"

IL21. Hiroshi Tanaka (Tokyo Institute of Technology, Japan)

"Synthesis of biologically important oligosaccharides and their applications to chemical biology research."

IL22. Xuebing Li (Institute of Microbiology,
Chinese Academy of Sciences, China)
"Synthesis and bioactivities of chitosan-based
carbohydrate cluster polymers"

IL23. Chun-Cheng Lin (National Tsing-Hua
University, Taiwan)
"Syntheses of *O*- and *S*-linked oligo-sialic acids"

IL24. Shang-Cheng Hung (GRC, Academia
Sinica, Taiwan)
"Synthesis of mycobacterial cell envelope
components"