

The 10th Symposium of Japanese Consortium for Glycobiology and Glycotechnology
Integration of Glycoscience and Beyond
November 29-30, 2012 Tokyo Conference Center (Shinagawa)

November 29 (Thursday), 2012

17:00-17:05	<i>Opening Address</i> Yukishige Ito (Organizing Chair, RIKEN)
17:05-17:15	<i>Greetings from organizer</i> Toshisuke Kawasaki (JCGG Chair: Ritsumeikan University)
17:15-18:00	Chairperson: Hisashi Narimatsu (AIST) <i>Special Lecture</i> <i>Unlock the secret of life with chemical compounds</i> Hiroshi Handa (Tokyo Institute of Technology)
18:00-18:10	<i>Break</i>
16:40-17:25	Chairperson: Akemi Suzuki (Tokai University) <i>Special Lecture</i> <i>Mechanism and regulation of ATP synthase</i> Masasuke Yoshida (Kyoto Sangyo University)

November 30 (Friday), 2012

9:30-10:45	Chairperson : Tamao Endo (Tokyo Metropolitan Institute of Gerontology) ● Session 1 <i>Synthesis based multiplexed approaches in glycoscience</i> Yukishige Ito (RIKEN) <i>Analyses of function of N-linked glycans in the ER using with a high mannose-type glycan library</i> Akira Seko (JST) <i>Elucidation of the Recognition Mechanism of Folding Sensor Enzyme UGGT by Chemically Synthesized Intentionally Misfolded Glycoprotein</i> Masayuki Izumi, Yasuhiro Kajihara (Osaka University)
10:45-10:55	<i>Break</i>
10:55-11:45	<i>Challenge to cellular glycan synthesis based on organic and analytical chemistry</i> Osamu Kanie (Tokai University) <i>Exploring the "life" of glycans</i> Tadashi Suzuki (RIKEN) <i>Elucidation of the Recognition Mechanism of Folding Sensor Enzyme UGGT by Chemically Synthesized Intentionally Misfolded Glycoprotein</i> Masayuki Izumi, Yasuhiro Kajihara (Osaka University)
11:45-12:00	<i>Break</i>
12:00-12:45	<i>JCGG Luncheon Seminar</i> (Shimazu, Co.) Chairperson: Naoyuki Taniguchi (RIKEN) <i>Energy Resolved Oxonium Ion Monitoring (Erexim) technology for the analysis of N-glycan microheterogeneity on therapeutic antibodies</i> Koji Ueda (RIKEN)
12:45-13:10	<i>Break</i>
13:10-14:50	Chairperson : Osamu Kanie (Tokai University) ● Session 2 <i>β-Glycosylation Using 3, 6-O-(o-Xylylene)-Bridged Axial-Rich Glucosyl Fluoride</i> Hidetoshi Yamada (Kwansei Gakuin University) <i>Challenges in Glycosylation: Viewpoints of Organic Chemistry</i> Toshiki Nokami (Kyoto University) <i>Synthesis and biological evaluation of β-glucan oligosaccharides</i> Hiroshi Tanaka (Tokyo Institute of Technology) <i>Ganglioside synthesis oriented to the elucidation of functional mesoscopic domains in the cell membrane</i> Hironune Ando (Gifu University)
14:50-15:10	<i>Break</i>
15:10-17:15	Chairperson: Yukishige Ito (RIKEN) ● Session 3 <i>Conformational flexibility of N-glycans in solution and its role on molecular recognition</i> Yuji Sugita, Wataru Nishima, Suyong Re (RIKEN) <i>Systems Chemical Biology: Integration of Bioinformatics and Chemoinformatics</i> Yasushi Okuno (Kyoto University) <i>Crystal structures of 1,3-1,4-α-L-fucosidase that specifically recognizes Lewis a/x antigens</i> Shinya Fushinobu (University of Tokyo) <i>Cell growth modulation through C-mannosylated peptides</i> Yoshito Ihara (Wakayama Medical University) <i>Glycobiology in the field of aging research</i> Tamao Endo (Tokyo Metropolitan Institute of Gerontology)
17:15-17:25	<i>Closing Remarks</i>