

## Scientific Program for the 5<sup>th</sup> ACGG conference October 14<sup>th</sup>-18<sup>th</sup>, 2013 Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

1

Time/Date	Oct 14th, 2013	Oct 15 th, 2013	Oct 16 th, 2013	Oct 17 th, 2013	Oct 18 <sup>th</sup> , 2013
8.30-9.00			Registration	Registration	Registration
9.00-10.30			Opening Remarks Scientific session -I	Scientific session-IV	Scientific session- VII
10.30-10.50		Special		Coffee break	
10.40-12.05		program for selected	Scientific session -II	Scientific session-V	Scientific session - VIII
12.10-14.00	young		Lunch and Poster session		
14.00-15.00	Special program for selected	scientists	Scientific session -III	Scientific session -VI	Scientific session - IX Public announcement
15.00-15.30	young			Closing Remarks	
15.30-17.30	scientists	15.30-18.30 Steering committee meeting	Oral presentation for selected young scientists	Oral presentation for selected young scientists	Campus and City Tour
19.00		Committee	Welcome dinner	Invited Dinner	
		Dinner (ACGG/Local committee and YSP)	(All participants and sponsors)	(ACGG/Local committee, chairs, and speakers)	

Scientific session (Oral presentation): (OR) Oral presentation and (YSP) Young Scientists: Talk + Q/A 20 minutes

**Poster sessions:** The poster should be posted at the board on 16 October, 2013 (size of poster maximum 90 cm  $\times$  120 cm, portrait)

**Selected young scientists:** The young scientists are selected from CV and abstract; he/she should be a post-doctoral fellow or Ph.D/M.Sc. student



# Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

2

### October 16th, 2013

October 16th,			
8.30-9.00	Registration		
9.00-9.30	Opening Remark		
	Report: Sopit Wongkham (Chair, 5th organizing committee)		
	Opening Remark: Charnchai Panthongviriyakul (Dean, Fact.of Medicine, KKU)		
	Opening Remark: Jin Won Cho (Chair, ACGG Steering committee)		
	Session1: Glycobiology-I		
00.00.0.50	Chairs: Hisashi Narimatsu and Puangrat Yongvanit		
09.30-9.50	OR1: Hisashi Narimatsu (Japan)		
0.50.10.10	The basic philosophy, overall concept of ACGG and the present status of glycosciences		
9.50-10.10	OR2: Atsushi Kuno (Japan)		
10 10 10 20	It's coming to the end: Development of glyco-diagnostic kit for evaluating liver fibrosis		
10.10-10.30	OR3: <b>Atsushi Matsuda (Japan)</b> Glycan profiling of sialyl-MUC1 for development of a glyco-diagnostic agent for		
	cholangiocarcinoma		
10.30-10.50	OR4: Chikayuki Tsuruno (Japan)		
10.50-10.50	Development of High-throughput clinical diagnostic kit for liver fibrosis using automated		
	immunoassay system, HISCL-5000		
10.50-11.10	Coffee break and Group Photo		
10.00 11.10	Session: Glycochemistry-I		
	Chairs: Siva Kumar Nadimpalli and Patcharee Boonsiri		
11.10-11.30	OR5: Siva Kumar Nadimpalli (India)		
	Amino Acid and N-glycan Sequence Analysis of α-mannosidase and Dolichos lablab Lectins		
11.30-11.50	OR6: Hai Dong (China)		
	Steric and Steroelectronic Controlled Regioselective Carbohydrate Protection		
11.50-12.10	OR7: Katsuhiko Suzuki (Japan)		
	3-Fluorinated sialic acid derivatives; synthesis and applications		
12.10-12.30	OR8: Wei-Chieh Cheng (Taiwan)		
	Synthesis and Functional Study of Peptidoglycan Lipid-linked Intermediates		
12.30-13.40	Lunch and Poster session		
	Session: Glycotechnology-I		
10 40 14 00	Chair: Young-Wan Kim and Piamsook Pongsawasdi		
13.40-14.00	OR9: Prof. Piamsook Pongsawasdi (Thailand)		
14.00-14.20	Enzymatic synthesis of functional oligosaccharides and their applications OR10: Young-Wan Kim (Korea)		
14.00-14.20	O-Glycoligase, a New Category of Engineered Glycosidases for Synthesis of Oligosaccharides		
14.20-14.40	OR11: Akihiro Ishiwata (Japan)		
14.20-14.40	Synthetic study of all glycoforms of CLAVATA3 glycopeptide from Arabidopsis thaliana		
14.40-15.00	OR12: Panuwat Padungros (Thailand)		
	A Post-Glycosylative Approach for Diversity Oriented Synthesis of Disaccharides		
15.00-15.30	Coffee break		
	Selected YSP session I:		
	Chairs: Norie Araki and Kay-Hooi Khoo		
15.30-15.50	YSP1: Kiattisak Vanijajiva (Thailand)		
	Oxidative stress, inflammation and sialic acid content in renal tubular cells exposed to urine from		
	nephrolithiasis patients before and after 6-months treatment with lime powder regimen		
15.50-16.10	YSP2: Pukkavadee Netsirisawan (Thailand)		
	Decreasing O-GlcNAcylation causes altered metastatic phenotypes of breast cancer cells		
16.10-16.30	YSP3: Parunya Chaiyawat (Thailand)		
	The expression of O-GlcNAcylated and serine phosphorylated proteins in subcellular		
4 ( 00 4 ( 50	compartments of colorectal cancer cell		
16.30-16.50	YSP4: Serenus Hua (Korea)		
	Targeted glycoproteomic analysis of haptoglobin reveals potential site-specific biomarkers for		
16 50 17 10	gastric cancer		
16.50-17.10	YSP5: Erika Ishitsubo (Japan)  Theoretical study of poyel multitarget inhibitor for influence virus by the first principles		
	Theoretical study of novel multitarget inhibitor for influenza virus by the first-principles calculation and MD Simulation		
18.00	Welcome dinner (all participants and sponsors)		
10.00	recome annier (an participants and sponsors)		



# Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

2

Session: Glycobiology-II Chairs: Norie Araki and Shin-Hsiung Wu OR13: Norie Araki (Japan) Integrated proteomics for identifying the specific signal networks regulated by post-translational modifications in cancer and cancer stem cells OR14: Nan Ding (Chaina) The mechanism underlying anti-cancer bioactivity of glycan OR40-10.00 OR15: Shih-Hsiung Wu (Taiwan) Bacterial Glycovaccines of Klebsiella Serrate33 NTUII-K2044 OR16: Masayuki Izumi (Japan) Analysis of folding Sensor Enzyme UGGT using Chemically Synthesized Homogeneous Glycoproteins Coffee break and Poster session Session: Glycotechnology-II Chairs: Josef Voglmeir (China) A novel strategy for the fluorescent 3errate3 of monosaccharides OR18: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data OR19: Zhichao Pei (China) CRID-Zhichao Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor 11:30-11:00 OR20: Wnin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor 12:10-13:40 India: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GleNAc transferase OD22: Jac Kyung Sohng (Korea) Clycosylation of small molecules and flexible glycosyltransferase OR20: Shinji Go (Japan) Gangliosde plays pivotal role for auditory sense OR24: Surapong Pinitglang (Thailand) Salic acid speak getic file Lettin from marine crab Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session Selected YSP session II: Chairs: Jaw Gangliosde plays pivotal role for auditory sense OR24: Surapong Pinitglang (Thailand) Salic acid speak getic felectin from marine crab Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session Selected YSP session II: Chairs: Jaw God Gangliosde glays pivotal role for auditory sense OR25: Shinji	8.30-9.00	Registration
ORI3: Norie Araki (Japan) 920-940 ORI3: Kan Ding (Chaina) The mechanism underlying anti-cancer bioactivity of glycan ORI4: Kan Ding (Chaina) The mechanism underlying anti-cancer bioactivity of glycan ORI5: Shih-Histung Wu (Taiwan) Bacterial Glycovaccines of Klebsiella Serrate33 NTUH-K2044 ORI6: Masayuki Zumi (Japan) Analysis of Folding Sensor Enzyme UCGT using Chemically Synthesized Homogeneous Glycoproteins Coffee break and Poster session Session: Glycotechnology-II Chairs: Josef Voglmeir and Chaisiri Wongkham ORI7: Josef Voglmeir and Chaisiri Wongkham ORI7: Josef Voglmeir (China) A novel strategy for the fluorescent Serrate3 of monosaccharides 11.0-11.30 ORI8: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data ORI9: Zhichao Fei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor 12.10-13.40 Lunch and Poster session Session: Glycobiology-II Chairs: Jin Won Cho and Ubon Cha'on 07.22: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase 07.02: Jin Won Cho (Korea) 14.40-15.00 OR2: Jin Won Cho and Ubon Cha'on 07.23: Shiji Go (Japan) Ganglioside plays pivotal role for auditory sense 07.23: Shiji Go (Japan) Ganglioside plays pivotal role for auditory sense 07.24: Surgonp Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis 07.24: Surgonp Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis 07.24: Surgonp Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis 07.25: Handing Origin		Session1: Glycobiology-II
Integrated proteomics for identifying the specific signal networks regulated by post-translational modifications in cancer and cancer stem cells   OR14: Kan Ding (Chaina)		•
translational modifications in cancer and cancer stem cells OR14: Kan Ding (Chaina) The mechanism underlying anti-cancer bioactivity of glycan OR40-10.00 OR15: Shih-Histung Wu (Taiwan) Bacterial Glycovaccines of Klebsiella 3errate/33 NTUH-K2044 OR16: Masayuki Lzumi (Japan) Analysis of Folding Sensor Enzyme UGGT using Chemically Synthesized Homogeneous Glycoproteins Coffee break and Poster session  Session: Glycotechnology-II Chairs: Josef Voglmeir and Chaisiri Wongkham  OR17: Josef Voglmeir (China) A novel strategy for the fluorescent 3errate/3 of monosaccharides OR18: Kiyoko Aoki-Kimoshita (Japan) Applying Semantic Web technologies to glycoscience data OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session  12.10-13.40 CR19: Zhichae-protein interaction with QCM biosensor Lunch and Poster session  Session: Glycobiology-III Chairs: Jin Won Cho (Aoroa) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jac Kyung Sohing (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jac Kyung Sohing (Korea) Nuclear Localization of small mollecules and flexible glycosyltransferase OR24: Surapong Pinitglang (Thailand) Salic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session  15.00-15.30 Coffee break and Poster session  15.00-16.40 Selected YSP session II: Chairs: Jac Kyung Sohng and Akemi Suzuki YSP6: Haomico Ouyang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus YSP8: Hao Lu (China) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polatorum YSP10:	9.00-9.20	
OR14: Kan Ding (Chaina)		
The mechanism underlying anti-cancer bioactivity of glycan OR15-Shil-Hsiung Wu (Faiwan) Bacterial Glycovaccines of Klebsiella 3errate33 NTUH-K2044 OR16- Masayuki Izumi (Japan) Analysis of Folding Sensor Enzyme UGGT using Chemically Synthesized Homogeneous Glycoproteins Coffee break and Poster session Session: Glycotechnology-II Chairs: Josef Voglmeir and Chaisiri Wongkham  10.50-11.10 OR17: Josef Voglmeir gor the Huoroscent 3errate3 of monosaccharides OR18- Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data OR19- Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces interactions on cancer cell surfaces I1.50-12.10 OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session Session: Glycobiology-III Chairs: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jae Kyung Sohng (Korea) OR21: Jin Won Cho (Korea) OR22: Satinji Go (Japan) Ganglioside plays pivotal role for auditory sense OR24: Surapong Pinitglang (Thailand) Saika caids pedife lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki YSP8: Haomia Ouyang (China) Punction Analysis of the kex 2 gene in Aspergillus fumigatus YSP8: Hao Lu (China) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polytorum Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polytorum Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polytorum PSP19: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes YSP15: Shinya Hanashima (Japan) NMR study of short PJ.3-glucan Struc	0.20.0.40	
Op. 10.00   Op. 15. Shih-Hsiung Wu (Taiwan)   Bacterial Glycovaccines of Klebsiella Serrate33 NTUH-K2044	9.20-9.40	
Bacterial Glycovaccines of Klebsiella 3errate33 NTUH-K2044  OR16: Masayuki Izumi (Japan) Analysis of Folding Sensor Enzyme UGGT using Chemically Synthesized Homogeneous Glycoproteins Coffee break and Poster session  Session: Glycotechnology-II Chairs: Josef Voglmeir and Chaisiri Wongkham  10.50-11.10 OR17: Josef Voglmeir (China) A novel strategy for the fluorescent 3errate3 of monosaccharides OR18: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces OR20: Yuxin Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor  12.10-13.40 Lunch and Poster session Session: Glycobiology-III Chairs: Jin Won Cho and Ubon Cha'on OR21: Jin Won Cho and Ubon Cha'on OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jac Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase OR23: Shinji Go (Japan) Canglioside plays pivotal role for auditory sense OR24: Surgonop Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  5.00-15.30 Coffee break and Poster session  Coffee break and Poster session II: Chairs: Jac Kyung Sohng and Akemi Suzuki YSP6: Haomiao Ouyang (China) One single basic amino acid at u-1 or u-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus YSP7: Jingyang Wang (China) Proparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identificati	09 40-10 00	
10.00-10.20   OR16: Masayuki Izumi (Japan)   Analysis of Folding Sensor Enzyme UGGT using Chemically Synthesized Homogeneous Glycoproteins   Coffee break and Poster session   Session: Glycotechnology-I   Chairs: Josef Voglmeir and Chaisiri Wongkham   OR17: Josef Voglmeir and Chaisiri Wongkham   OR18: Kiyoko Aoki-Kinoshita (Japan)   A novel strategy for the fluorescent 3errate3 of monosaccharides   OR18: Kiyoko Aoki-Kinoshita (Japan)   Applying Semantic Web technologies to glycoscience data   OR19: Zhichao Pei (China)   Applying Semantic Web technologies to glycoscience data   OR19: Zhichao Pei (China)   Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces   OR20: Yuxin Pei (China)   A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor   12.10-13.40   A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor   12.10-13.40   Chairs: Jin Won Cho and Ubon Cha'on   Session: Glycobiology-III   Chairs: Jin Won Cho and Ubon Cha'on   OR21: Jin Won Cho and Ubon Cha'on   OR21: Jin Won Cho (Korea)   Nuclear Localization Mechanism of O-GlcNAc transferase   14.00-14.20   OR21: Sinjii Go (Japan)   Ganglioside plays pivotal role for auditory sense   OR22: Surjang Pinitglang (Thailand)   Ganglioside plays pivotal role for auditory sense   OR24: Surapong Pinitglang (Thailand)   Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis   Coffee break and Poster session   Selected YSP session II:   Chairs: Jac Kyung Sohng and Akemi Suzuki   YSP6: Haomiao Ouyang (China)   One single basic amino acid at a-1 or a-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus   YSP7: Jingyang Wang (China)   Function Analysis of the kex2 g	03.10 10.00	
Glycoproteins Coffee break and Poster session Session: Glycotechnology-II Chairs: Josef Voglmeir and Chaisiri Wongkham ORI7: Josef Voglmeir (China) A novel strategy for the fluorescent 3errate3 of monosaccharides ORI8: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data ORI9: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session Session: Glycobiology-III Chairs: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase OD22: Jae Kyung Sohng (Korea) Ganglioside plays pivotal role for auditory sense 14.40-14.20 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki TSD-15.50 TSD-16.10 TSD-15.50 TSD-16.10 TSD-15.50 TSD-16.10 TSD	10.00-10.20	
10.20-10.50   Coffee break and Poster session		Analysis of Folding Sensor Enzyme UGGT using Chemically Synthesized Homogeneous
Session: Glycotechnology-II   Chairs: Josef Voglmeir and Chaisiri Wongkham   10.50-11.10   OR17: Josef Voglmeir (China)   A novel strategy for the fluorescent Serrate3 of monosaccharides   11.10-11.30   OR18: Kiyoko Aoki-Kinoshita (Japan)   Applying Semantic Web technologies to glycoscience data   OR18: Kiyoko Aoki-Kinoshita (Japan)   Applying Semantic Web technologies to glycoscience data   OR19: Zhichao Pei (China)   Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces   OR20: Yuxin Pei (China)   A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor   Lunch and Poster session   Session: Glycobiology-III   Chairs: Jin Won Cho (Korea)   Nuclear Localization Mechanism of O-GlcNAc transferase   OD22: Jac Kyung Sohng (Korea)   Glycosylation of small molecules and flexible glycosyltransferase   OD22: Jac Kyung Sohng (Korea)   Ganglioside plays pivotal role for auditory sense   OZ24: Surapong Pinitglang (Thailand)   Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis   Coffee break and Poster session   Selected VSP session II:   Chairs: Jac Kyung Sohng and Akemi Suzuki   YSP6: Haomiao Ouyang (China)   One single basic amino acid at to-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus   YSP8: Hau Lu (China)   Function Analysis of the kex2 gene in Aspergillus fumigatus   YSP8: Hua Lu (China)   Function Analysis of the kex2 gene in Aspergillus fumigatus   YSP9: Mohammad Mansour Saleh Saif (India)   Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polatorum   16.50-17.10   YSP10: Heng Yin (China)   Screening and Identification of marine polysaccharide hydrolytic enzymes   YSP15: Shinya Hanashima (Japan)		
Chairs: Josef Voglmeir and Chaisri Wongkham   10.50-11.10   OR17: Josef Voglmeir (China)     A novel strategy for the fluorescent 3errate3 of monosaccharides     11.10-11.30   OR18: Kiyoko Aoki-Kinoshita (Japan)     Applying Semantic Web technologies to glycoscience data     11.30-11.50   OR19: Zhichao Pei (China)     Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces     11.50-12.10   OR20: Yuxin Pei (China)     A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor     12.10-13.40   Lunch and Poster session     Session: Glycobiology-III     Chairs: Jin Won Cho and Ubon Cha'on     13.40-14.00   OR21: Jin Won Cho (Korea)     Nuclear Localization Mechanism of O-GlcNAc transferase     14.00-14.20   OD22: Jae Kyung Sohng (Korea)     Glycosylation of small molecules and flexible glycosyltransferase     14.20-14.40   OR23: Shinji Go (Japan)     Ganglioside plays pivotal role for auditory sense     14.40-15.00   OR24: Surapong Pinitglang (Thailand)     Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis     15.00-15.30   Coffee break and Poster session     Selected YSP session II:     Chairs: Jae Kyung Sohng and Akemi Suzuki     15.30-15.50   YSP6: Haomiao Ouyang (China)     One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GP1) anchored protein in plasma membrane of Aspergillus fumigatus     YSP8: Haa Lu (China)     Function Analysis of the kex2 gene in Aspergillus fumigatus     YSP8: Hyan Lu (China)     Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea     Haloarcula hispanica     YSP9: Mohammad Mansour Saleh Saif (India)     Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polytorum     16.50-17.10   YSP10: Heng Yin (Ch	10.20-10.50	
10.50-11.10 OR17: Josef Voglmeir (China) A novel strategy for the fluorescent 3errate3 of monosaccharides OR18: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session Session: Glycobiology-III Chairs: Jin Won Cho and Ubon Cha'on OR21: Jin Won Cho and Ubon Cha'on OR21: Jin Won Cho and Ubon Cha'on OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jac Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase OD22: Jac Kyung Sohng (Korea) Ganglioside plays pivotal role for auditory sense OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense OR24: Surapong Pinitglang (Thailand) Sialia caid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session Selected YSP session II: Chairs: Jac Kyung Sohng and Akemi Suzuki YSP6: Haomiao Ouyang (China) One single basic amino acid at w-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus YSP8: Hua Lu (China) Function Analysis of the kex2 gene in Aspergillus fumigatus YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polatorum NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
11.10-11.30  OR18: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces  11.50-12.10 OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session  Session: Glycobiology-III Chairs: Jin Won Cho and Ubon Cha'on  OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jae Kyung Sohng (Korea) OR23: Shinji Go (Japan) Glycosylation of small molecules and flexible glycosyltransferase  14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.50-16.10 YSP6: Haomiao Ouyang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus YSP8: Bla Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica YSP8: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos poidotorum YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	10 50 11 10	
11.10-11.30  OR18: Kiyoko Aoki-Kinoshita (Japan) Applying Semantic Web technologies to glycoscience data  OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces  OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session  Session: Glycobiology-III Chairs: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase  OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  OD22: Jae Kyung Sohng (Korea) Ganglioside plays pivotal role for auditory sense  14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  15.00-15.30 Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPl) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica YSP8: Mua Lu (China) Freparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	10.50-11.10	
Applying Semantic Web technologies to glycoscience data  OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces  OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor  Lunch and Poster session  Session: Glycobiology-III Chairs: Jin Won Cho and Ubon Cha'on  OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase  OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  14.20-14.20 OR21: Shinji Go (Japan) Garglioside plays pivotal role for auditory sense  OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at w-1 or w-2 site is a signal that retains glycosylphosphatidyl-inositol (GPl) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica YSP8: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos pointorum YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	11 10_11 30	
11.30-11.50 OR19: Zhichao Pei (China) Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces  11.50-12.10 OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor  12.10-13.40 Lunch and Poster session Session: Glycobiology-III Chairs: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase  14.00-14.20 OR21: Jin Won Cho (Korea) Glycosylation of small molecules and flexible glycosyltransferase  14.20-14.40 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  15.00-15.30 Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  15.50-16.10 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	11.10-11.50	
Cell-based biosensors for real-time determination of binding kinetics of protein-carbohydrate interactions on cancer cell surfaces  OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor  Lunch and Poster session Session: Glycobiology-III Chairs: Jin Won Cho and Ubon Cha'on  3.40-14.00 OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase  14.00-14.20 OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  14.20-14.40 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  15.00-15.30 Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.30-16.50 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polatorum  YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	11.30-11.50	
interactions on cancer cell surfaces  11.50-12.10  OR20: Yuxin Pei (China) A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor Lunch and Poster session  Session: Glycobiology-III  Chairs: Jin Won Cho and Ubon Cha'on  OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase  14.00-14.20  OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  OR23: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  TS-01-15.50  YSP6: Haomiao Ouyang (China) One single basic amino acid at w-1 or w-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10  YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30  YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50  YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
A universal method to fabricate glyconanoparticles: towards detecting tumor cell surface carbohydrate-protein interaction with QCM biosensor  Lunch and Poster session  Session: Glycobiology-III  Chairs: Jin Won Cho and Ubon Cha'on  13.40-14.00 OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase  14.00-14.20 OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  14.20-14.40 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  0A24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  15.00-15.30 Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPl) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
12.10-13.40   Lunch and Poster session	11.50-12.10	
Lunch and Poster session   Session: Glycobiology-III   Chairs: Jin Won Cho and Ubon Cha'on     13.40-14.00   OR21: Jin Won Cho (Korea)   Nuclear Localization Mechanism of O-GlcNAc transferase     14.00-14.20   OD22: Jae Kyung Sohng (Korea)   Glycosylation of small molecules and flexible glycosyltransferase     14.20-14.40   OR23: Shinji Go (Japan)   Ganglioside plays pivotal role for auditory sense     14.40-15.00   OR24: Surapong Pinitglang (Thailand)   Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis     15.00-15.30   Coffee break and Poster session   Selected YSP session II:   Chairs: Jae Kyung Sohng and Akemi Suzuki     15.30-15.50   YSP6: Haomiao Ouyang (China)   One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus     15.50-16.10   YSP7: Jingyang Wang (China)   Function Analysis of the kex2 gene in Aspergillus fumigatus     16.10-16.30   YSP8: Hua Lu (China)   Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea   Haloarcula hispanica     16.30-16.50   YSP9: Mohammad Mansour Saleh Saif (India)   Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum     16.50-17.10   YSP10: Heng Yin (China)   Screening and Identification of marine polysaccharide hydrolytic enzymes   YSP15: Shinya Hanashima (Japan)   NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
Session: Glycobiology-III   Chairs: Jin Won Cho and Ubon Cha'on     13.40-14.00   OR21: Jin Won Cho (Korea)   Nuclear Localization Mechanism of O-GlcNAc transferase     14.00-14.20   OD22: Jae Kyung Sohng (Korea)   Glycosylation of small molecules and flexible glycosyltransferase     14.20-14.40   OR23: Shinji Go (Japan)   Ganglioside plays pivotal role for auditory sense     14.40-15.00   OR24: Surapong Pinitglang (Thailand)   Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis     15.00-15.30   Coffee break and Poster session   Selected YSP session II:   Chairs: Jae Kyung Sohng and Akemi Suzuki     15.30-15.50   YSP6: Haomiao Ouyang (China)   One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus     15.50-16.10   YSP9: Jingyang Wang (China)   Function Analysis of the kex2 gene in Aspergillus fumigatus     16.10-16.30   YSP9: Hua Lu (China)   Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea   Haloarcula hispanica     16.30-16.50   YSP9: Mohammad Mansour Saleh Saif (India)   Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum   YSP10: Heng Yin (China)   Screening and Identification of marine polysaccharide hydrolytic enzymes   YSP15: Shinya Hanashima (Japan)   NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	12 10 10 10	
Chairs: Jin Won Cho and Ubon Cha'on     13.40-14.00   OR21: Jin Won Cho (Korea)     Nuclear Localization Mechanism of O-GlcNAc transferase     14.00-14.20   OD22: Jae Kyung Sohng (Korea)     Glycosylation of small molecules and flexible glycosyltransferase     14.20-14.40   OR23: Shinji Go (Japan)     Ganglioside plays pivotal role for auditory sense     14.40-15.00   OR24: Surapong Pinitglang (Thailand)     Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis     15.00-15.30   Coffee break and Poster session     Selected YSP session II:     Chairs: Jae Kyung Sohng and Akemi Suzuki     15.30-15.50   YSP6: Haomiao Ouyang (China)     One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GP1) anchored protein in plasma membrane of Aspergillus fumigatus     15.50-16.10   YSP7: Jingyang Wang (China)     Function Analysis of the kex2 gene in Aspergillus fumigatus     16.10-16.30   YSP8: Hua Lu (China)     Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea     Haloarcula hispanica     16.30-16.50   YSP9: Mohammad Mansour Saleh Saif (India)     Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos     potatorum     16.50-17.10   YSP15: Shinya Hanashima (Japan)     NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	12.10-13.40	
14.00-14.20 OR21: Jin Won Cho (Korea) Nuclear Localization Mechanism of O-GlcNAc transferase OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
Nuclear Localization Mechanism of O-GlcNAc transferase  14.00-14.20 OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  14.20-14.40 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  15.00-15.30 Coffee break and Poster session Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	13.40-14.00	
14.00-14.20 OD22: Jae Kyung Sohng (Korea) Glycosylation of small molecules and flexible glycosyltransferase  14.20-14.40 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  15.00-15.30 Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos polatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
14.20-14.40 OR23: Shinji Go (Japan) Ganglioside plays pivotal role for auditory sense  OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPl) anchored protein in plasma membrane of Aspergillus fumigatus  YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	14.00-14.20	OD22: Jae Kyung Sohng (Korea)
Ganglioside plays pivotal role for auditory sense  OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50  YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPl) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10  YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30  YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50  YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10  YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
14.40-15.00 OR24: Surapong Pinitglang (Thailand) Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPl) anchored protein in plasma membrane of Aspergillus fumigatus  YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	14.20-14.40	
Sialic acid specific lectin from marine crab (Scylla 3errate): isolation, purification, characterization and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50  YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30  YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10  YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	44404-00	
and quantitative histochemical analysis  Coffee break and Poster session  Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	14.40-15.00	
Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
Selected YSP session II: Chairs: Jae Kyung Sohng and Akemi Suzuki  15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  15.50-16.10 YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  16.10-16.30 YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	15 00-15 30	1
<ul> <li>Chairs: Jae Kyung Sohng and Akemi Suzuki</li> <li>15.30-15.50 YSP6: Haomiao Ouyang (China)         One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus</li> <li>15.50-16.10 YSP7: Jingyang Wang (China)         Function Analysis of the kex2 gene in Aspergillus fumigatus</li> <li>16.10-16.30 YSP8: Hua Lu (China)         Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica</li> <li>16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India)         Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum</li> <li>16.50-17.10 YSP10: Heng Yin (China)         Screening and Identification of marine polysaccharide hydrolytic enzymes</li> <li>17.10-17.30 YSP15: Shinya Hanashima (Japan)         NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1</li> </ul>	10.00 10.00	
15.30-15.50 YSP6: Haomiao Ouyang (China) One single basic amino acid at ω-1 or ω-2 site is a signal that retains glycosylphosphatidyl-inositol (GPI) anchored protein in plasma membrane of Aspergillus fumigatus  YSP7: Jingyang Wang (China) Function Analysis of the kex2 gene in Aspergillus fumigatus  YSP8: Hua Lu (China) Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica  YSP9: Mohammad Mansour Saleh Saif (India) Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum  16.50-17.10 YSP10: Heng Yin (China) Screening and Identification of marine polysaccharide hydrolytic enzymes  YSP15: Shinya Hanashima (Japan) NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
<ul> <li>(GPI) anchored protein in plasma membrane of Aspergillus fumigatus</li> <li>15.50-16.10 YSP7: Jingyang Wang (China)         <ul> <li>Function Analysis of the kex2 gene in Aspergillus fumigatus</li> </ul> </li> <li>16.10-16.30 YSP8: Hua Lu (China)         <ul> <li>Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica</li> </ul> </li> <li>16.30-16.50 YSP9: Mohammad Mansour Saleh Saif (India)         <ul> <li>Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum</li> </ul> </li> <li>16.50-17.10 YSP10: Heng Yin (China)         <ul> <li>Screening and Identification of marine polysaccharide hydrolytic enzymes</li> </ul> </li> <li>17.10-17.30 YSP15: Shinya Hanashima (Japan)         <ul> <li>NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1</li> </ul> </li> </ul>	15.30-15.50	, , , , , , , , , , , , , , , , , , ,
<ul> <li>15.50-16.10 YSP7: Jingyang Wang (China)         Function Analysis of the kex2 gene in Aspergillus fumigatus         YSP8: Hua Lu (China)         Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea Haloarcula hispanica         YSP9: Mohammad Mansour Saleh Saif (India)         Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum         YSP10: Heng Yin (China)         Screening and Identification of marine polysaccharide hydrolytic enzymes         YSP15: Shinya Hanashima (Japan)         NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1</li> </ul>		
Function Analysis of the kex2 gene in <i>Aspergillus fumigatus</i> 16.10-16.30 YSP8: <b>Hua Lu (China)</b> Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea <i>Haloarcula hispanica</i> 16.30-16.50 YSP9: <b>Mohammad Mansour Saleh Saif (India)</b> Preparation and characterization of polysaccharide nanoparticles from the seeds of <i>Strychnos potatorum</i> 16.50-17.10 YSP10: <b>Heng Yin (China)</b> Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: <b>Shinya Hanashima (Japan)</b> NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
<ul> <li>YSP8: Hua Lu (China)         <ul> <li>Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea <i>Haloarcula hispanica</i></li> </ul> </li> <li>YSP9: Mohammad Mansour Saleh Saif (India)         <ul> <li>Preparation and characterization of polysaccharide nanoparticles from the seeds of <i>Strychnos potatorum</i></li> </ul> </li> <li>YSP10: Heng Yin (China)         <ul> <li>Screening and Identification of marine polysaccharide hydrolytic enzymes</li> </ul> </li> <li>YSP15: Shinya Hanashima (Japan)         <ul> <li>NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1</li> </ul> </li> </ul>	15.50-16.10	
Identification of genes involved in S-layer glycoprotein glycosylation in halophilic archaea <i>Haloarcula hispanica</i> 16.30-16.50 YSP9: <b>Mohammad Mansour Saleh Saif (India)</b> Preparation and characterization of polysaccharide nanoparticles from the seeds of <i>Strychnos potatorum</i> 16.50-17.10 YSP10: <b>Heng Yin (China)</b> Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: <b>Shinya Hanashima (Japan)</b> NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	16 10 16 20	
<ul> <li>Haloarcula hispanica</li> <li>YSP9: Mohammad Mansour Saleh Saif (India)         Preparation and characterization of polysaccharide nanoparticles from the seeds of Strychnos potatorum     </li> <li>YSP10: Heng Yin (China)         Screening and Identification of marine polysaccharide hydrolytic enzymes     </li> <li>YSP15: Shinya Hanashima (Japan)         NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1     </li> </ul>	16.10-16.30	
<ul> <li>YSP9: Mohammad Mansour Saleh Saif (India)         Preparation and characterization of polysaccharide nanoparticles from the seeds of <i>Strychnos potatorum</i> </li> <li>YSP10: Heng Yin (China)         Screening and Identification of marine polysaccharide hydrolytic enzymes     </li> <li>YSP15: Shinya Hanashima (Japan)         NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1     </li> </ul>		
Preparation and characterization of polysaccharide nanoparticles from the seeds of <i>Strychnos potatorum</i> 16.50-17.10 YSP10: <b>Heng Yin (China)</b> Screening and Identification of marine polysaccharide hydrolytic enzymes  17.10-17.30 YSP15: <b>Shinya Hanashima (Japan)</b> NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	16.30-16.50	
<ul> <li>potatorum</li> <li>16.50-17.10 YSP10: Heng Yin (China)         <ul> <li>Screening and Identification of marine polysaccharide hydrolytic enzymes</li> </ul> </li> <li>17.10-17.30 YSP15: Shinya Hanashima (Japan)         <ul> <li>NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1</li> </ul> </li> </ul>	_0.00 10.00	· · · · · · · · · · · · · · · · · · ·
16.50-17.10 YSP10: <b>Heng Yin (China)</b> Screening and Identification of marine polysaccharide hydrolytic enzymes 17.10-17.30 YSP15: <b>Shinya Hanashima (Japan)</b> NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1		
17.10-17.30 YSP15: <b>Shinya Hanashima (Japan)</b> NMR study of short β1,3-glucan structure and insight into the interaction with Dectin-1	16.50-17.10	YSP10: <b>Heng Yin (China)</b>
NMR study of short $\beta$ 1,3-glucan structure and insight into the interaction with Dectin-1		
	17.10-17.30	
19.00 <b>Invited dinner</b> (ACGG/ Local committee and speakers)	10.00	
	19.00	invited dinner (ACGG/ Local committee and speakers)



15.00-15.20

15.20-15.50 15.50-

### Scientific Program for the 5<sup>th</sup> ACGG conference October 14<sup>th</sup>-18<sup>th</sup>, 2013

## Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

•

October 18th,	2013			
8.30-9.00	Registration			
	Session1: Glycobiology-IV			
	Chair: Cheng Jin and Voraratt Champattanachai			
9.00-9.20	OR25: Cheng Jin (China)			
	Genetic and structural validation of enyzmes required for activation of UDP-GlcNAc in			
	Aspergillus fumigatus as potential antifungal targets			
9.20-9.40	OR26: Xiao-Lian Zhang (China)			
	Ficolin-2 defends against virulent Mycobacteria tuberculosis infection in vivo, and its			
	insufficiency is associated with infection in humans			
09.40-10.00	OR27: Yuan-Qin Min (China)			
	A point mutation at N423D of the N-glycosylation site of hepatitis C virus soluble envelope			
	protein E2 enhances specific cellular and neutralizing immune responses			
10.00-10.20	OR28: Young Cheon Kim (Korea)			
	Identification of Arabidopsis proteins with single N-GlcNAc modification			
10.20-10.50	Coffee break and Poster session			
	Session1: Glycobiology-V			
	Chair: Xiao-Lian Zhang and Maitree Suttajit			
10.50-11.10	OR29: Voraratt Champattanachai (Thailand)			
	Aberrant expression of O-GlcNAcylation associated in malignant tumor cells			
11.10-11.30	OR30: Maitree Suttajit (Thailand)			
	Biological Role of Neuraminic Acid in Avian Influenza Virus Infection			
11.30-11.50	OR31: Cynthia Wiliams (USA)			
	Infection and Treatment Varies Glycosylation in Plasma of HIV Patients			
11.50-12.10	OR32: I-Chun Weng (Taiwan)			
	Galectin-3 senses intracellular Listeria and protects them from autophagic degradation			
12.10-13.40	Lunch and Poster session			
	Selected YSP session II:			
10 40 14 00	Chair: Kiyoko Aoki-Kinoshita and Nisana Namwat			
13.40-14.00	YSP11: Jen-Hon Wang (Taiwan)			
	Design and synthesis of novel iminosugur-based five-membered chaperones for treatment with			
14.00.14.00	Fabry Disease			
14.00-14.20	YSP12: Atchutarao Pathigoolla (India)			
	A Green Synthesis of Stereoregular Unnatural Polysaccharide Using Topochemical Azide-Alkyne			
14.20.14.40	Cycloaddition (TAAC)			
14.20-14.40	YSP13: Che-Wei Tu (Taiwan)			
14 40 15 00	Design and synthesis of novel iminosugar-based molecules by ring expansion			
14.40-15.00	YSP14: Ju Hee Lee (Korea)			

Development of a Novel Validation Method with High Sensitivity and Multiplexity based on

DNA-tagged antibodies for Cancer Biomarker Discovery **Public announcement** (6<sup>th</sup> ACGG and other conferences)

Coffee break and Poster session

Campus and City Tour



## Scientific Program for the 5<sup>th</sup> ACGG conference October 14<sup>th</sup>-18<sup>th</sup>, 2013 Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

5

### **Poster Session**

P-01	Joo-hwan Ryum	A study of O-GlcNAcylation on ATP synthase $\boldsymbol{\beta}$ subunit and its Function	
P-02	Yan Zhang	The Endoplasmic Reticulum Located ppGalNAc-T18 (GALNTL4) is Involved in Cell Survival and Apoptosis	
P-03	Yong-Sam Kim	N-acetylglucosaminyltransferase V confers resistance to anoikis stress during cancer metastasis	
P-04	Seong Kook Jeon	Cleavage of double-stranded DNA by engineered FokI endonuclease	
P-05	Yang Lv	The Functional Analysis of Glycosyltransferase 00885 and 00890 in Haloarcula hispanic ATCC33960	
P-06	Thanyaluck Phitak	Ubiquitous occurrence and biosynthesis of sulfated sialic acids in mammals	
P-07	Changwon Lee	Inhibition of Osteoclast Differentiation and Bone Resorption by LMW-HA	
P-08	Doo Jin Choi	Neuroprotective Effects of Rhamnosyl-6-C-(4-ketofucosyl)-5,7,3',4' tetrahydroxyflavone (maysin) by Antioxidant Activity against H2O2-induced Cell Death of SK-N-MC Cells	
P-09	Salila Pengthaisong	Role of cellooligosaccharide binding residues in rice BGlu1	
P-10	Bundit Promraksa	Hemagglutination and antioxidant activities of commonly consumed northeast Thai vegetables	
P-11	Lukkana Sukprasert	Detection of cholangiocarcinoma-associated glycans and glycoconjugates using lectin-based approaches	
P-12	Wunchana SEUBWAI	Altered glycosylation profile: a potential biomarker for identification of suicide	
P-13	JinWon Park	The Investigation of O-GlcNAcase's translocation Mechanism into nucleus.	
P-14	Peraphan Pothacharoen	Development of novel monoclonal antibodies against chondroitin sulfate, and their application to glycobiology and glycopathology	
P-15	Moonjae Cho	The glycitin (4'-hydroxy-6-methoxyisoflavone-7-D-glucoside) promotes human dermal fibroblast cell proliferation and migration through TGF- $\beta$ signaling	
P-16	JuHee Lee	Development of a Novel Validation Method with High Sensitivity and Multiplexity based on DNA-tagged antibodies for Cancer Biomarker Discovery	
P-17	Waraporn Saentaweesuk	$\it N$ -acetylgalactosamine-associated glycans are aberrantly expressed in cholangiocarcinoma	
P-18	SOMSIRI INDRAMANEE	sWGA and UEA-1 potentially suppressed growth of cholangiocarcinoma	
P-19	Chatchai Phoomak	O-GlcNAcylation involved in metastasis of cholangiocarcinoma	
P-20	Somkid Janeklang	A novel plant-derived anti-cancer agent, tiliacorinine induces apoptosis through phospho-ERK1/2 activation and synergizes the cytotoxicity of cisplatin in cholangiocarcinoma cells	
P-21	Kwuntida Uthaisar	CA-S27, sLe <sup>a</sup> associated glycan promoted progression in cholangiocarcinoma	



P-22	YONG IL PARK	Anticancer Activity of Corn Silk Maysin (rhamnosyl-6-C-(4-ketofucosyl)-5,7,3',4' tetrahydroxyflavone) in Prostate Cancer Cells (PC-3) via Mitochodria-dependent Apoptosis	
P-23	YONG IL PARK	Effects of Glycosylation of Flavonoids on Anticancer and Immunomodulating Activities	
P-24	SEUL LEE	Anticancer Effect of Miyeokgui Fucoidan and Its Low-Molecular Weight Galactofuco-Oligosaccharides against PC-3 Human Prostate Cancer Cells	
P-25	Jiwon Choi	A Water-soluble Polysaccharide Isolated from Korean Capsosiphon fulvescens induces Apoptotic Cell Death in Human Colon Cancer Cells (HT-29)	
P-26	Chanchai Boonla	Oxidative stress, inflammation and sialic acid content in renal tubular cells exposed to urine from nephrolithiasis patients and healthy individuals	
P-27	Rawiwan Wongpoomchai	Cancer chemopreventive effect of Spirogyra neglecta on 1,2-dimethylhydrazine-induced preneoplastic lesions in rat colon	
P-28	Makoto Ocho	Development of serum glycobiomarker of liver cirrhosis	
P-29	Hiromichi Sawaki	Glycogene-expression Profiling of Lung Cancer Cells with Glycogene qPCR Array	
P-30	Anchalee Rawangkran	Inhibitory effect of periodate-oxidized Collocalia mucoproteins on hemagglutination of H5N1, avian influenza virus	
P-31	Supaporn Klangprapan	Saliva myeloperoxidase, assayed by using 3, 3'-diaminobenzidine, can distinguish healthy and periodontal disease subjects	
P-32	Ammala Monsouvanh	Preliminary study of high serum cathepsin B level in cholangiocarcinoma patients	
P-33	Hee-Jeong Ahn	Synthesis of 3-O- $\alpha$ -Maltosyl L-Ascorbate Using a Cyclodextrin Glucanotransferase Mutant	
P-34	Shinya Hanashima	NMR study of short $\beta 1,\!3\text{-glucan}$ structure and insight into the interaction with Dectin-1	
P-35	Ruiqin Yi	Synthesis of 4,5-di-O-substituted-3-deoxy-D-manno-octulosonic acid (Kdo) derivatives	
P-36	Toshihide Shikanai	JCGGDB	
P-37	Lauren Dimapasoc	Rapid-throughput analysis of human milk oligosaccharides for large-scale clinical studies	
P-38	Jaeyoung Pai	Dual-labeled Neoglycopeptides for Monitoring Lectin-Mediated Endocytosis	
P-39	Anupong Tankrathok	Binding of beta-D-glucoside and beta-D-mannoside by rice beta-D-glycosidases	
P-40	Woo Jung Kim	Isolation and Characterization of a Fucoidan Degrading Fungal Strain	
P-41	Yoshiyuki Manabe	Synthetic Study of N-Glycan Library Using Microflow Reactor	
P-42	Miku Konishi	Synthesis and functional evaluation of fluorescent ganglioside GD1b useful for live imaging of cell membrane	
P-43	Naoko Komura	Development of A-series Gangliosides Probes for Imaging of	
		Raft-associated Signaling	



P-45	Zong-Yan Lin	An Rapid and Effective Approach to the Discover Potent and Selective Fucosyltransferase and Fucosidase Inhibitors
P-46	Yasunori Chiba	Characterization of endo-□-N-acetylglucosaminidase from methylotrophic yeast Ogataea minuta
P-47	Sakchai Kerdpithak	Characterization of the gene encoding limit dextrinase from tuber of cassava (Manihot esculenta Crantz)
P-48	Charupong Saengboonmee	High glucose enhances cell proliferation by induce growth- and energy metabolism-related genes expression in cholangiocarcinoma cell lines: a preliminary study
P-49	Hiroaki Tokiwa	Rational design and development of a novel potent and highly specific inhibitor against influenza viral and human neuraminidases



## Scientific Program for the 5th ACGG conference October 14th-18th, 2013

Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

#### **General Information**

**Venue:** Mor Din Dang Meeting Hall and Mitraparp Meeting Hall

Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

### **Transportations**

### Transportation from Khon Kaen Airport to Faculty of Medicine (venue of conference)

You can take taxi from Khon Kaen Airport to Faculty of Medicine, Khon Kaen University. Please show this message to the taxi

English	Thai
I would like to go to Facutly of Medicine,	ผม/ฉัน จะไปคณะแพทยศาสตร์ ม.ขอนแก่น ลงหน้าอาคารเรียนรวม
Khon Kaen University (venue of conference)	(หลังธนาคารไทยพานิชย์ สาขาโรงพยาบาลศรีนครินทร์
contenence)	คณะแพทยศาสตร์) หรือ ตรงหน้าคลังเลือดกลาง

#### Transportation from Khon Kaen Airport to your hotel

There are the limousine buses belonging to Charoenthani Hotel and Pullman Raja Orchid Hotel available for the transportation from airport to the hotels. Charm Beutique Resort has a van to pick up at the airport but needed to request. For U-Inn Hotel, and Kwanmor Hotel there is no limousine bus available; delegate have to take the taxi from the airport to the hotels.

English	Thai	
I would like to go to Pullman Raja Orchid Hotel	ผม/ฉัน จะไปโรงแรมพูลแมน	
I would like to go to Kwanmor Hotel	ผม/ฉัน จะไปโรงแรมขวัญมอ (คณะสัตว์แพทย์ ม.ขอนแก่น ไกล้ศาลเจ้าพ่อมอดินแดง ประตูฝั่งถนนมิตรภาพ)	
I would like to go to Charoenthani Hotel	ผม/ฉัน จะไปโรงแรมเจริญธานี	
I would like to go to Charm-Boutique Resort	ผม/ฉัน จะไปชาร์มบูติครีสอร์ต ไกล้ ม.ขอนแก่น ไกล้นาย่ารีสอร์ต	
I would like to go to U-Inn Hotel	ผม/ฉัน จะไปโรงแรมยูอินน์ ตรงข้ามโรงพยาบาลศรีนครินทร์ หลังร้านแซบนัว	

### Transportation between your hotel and venue of conference

We have prepared the bus to pick up participants who stay at Charoenthai Hotel, Pullman Hotel, Charm Boutique resort, and U-Inn hotel, once a day during the conference as the following timetable. Please kindly find the sign "5th ACGG" at the lobby of your hotel. Bus taking the participants back to hotels will be departed from the conference venue around 5.30 p.m. everyday.

	Charoenthani hotel	Pullman hotel	Charm boutique resort
Pick up time	8.00 a.m.	8.00 a.m.	8.15 a.m.



## Scientific Program for the 5th ACGG conference October 14th-18th, 2013

### Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

q

### **Symposium events:**

#### **Registration fee:**

The registration fee (50 USD or 1600 THB) is including the abstract book, name batch, coffee break, lunches for 3 days and Welcome Dinner at 7.00 p.m. of October 16, 2013.

#### Welcome dinner

All participants are welcome to join the "Welcome dinner" at 7.00 p.m., October 16, 2013 Place: Koom Sri Tarn, Khon Kaen University

#### Committee dinner

The committee dinner (7.00 p.m., October 15, 2013) is arranged for only the ACGG committee, local organizing committee and YSP-awardees.

#### **Invited dinner**

Invited dinner (7.00 p.m., October 17, 2013) is arranged for only the ACGG committee, local organizing committee and all chairpersons and speakers.

### Guideline for presenters and chairpersons

#### Oral presentations:

Please report your arrival and submit your slides/presentations at the reception desk at least 60 minutes prior to the beginning of each session.

The presentation should be in English and prepared using a PowerPoint presentation in Microsoft Office 2007, strictly to the time limit (20 minutes for presentation including questions and answers).

The presenters using Macintosh to prepare your presentations can use your own computer; however please prepare your own connectors or adapters as well.

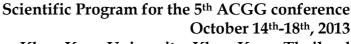
Please present yourself at the session room at least 15 minutes before your session to meet the chairpersons and to prepare for presentation.

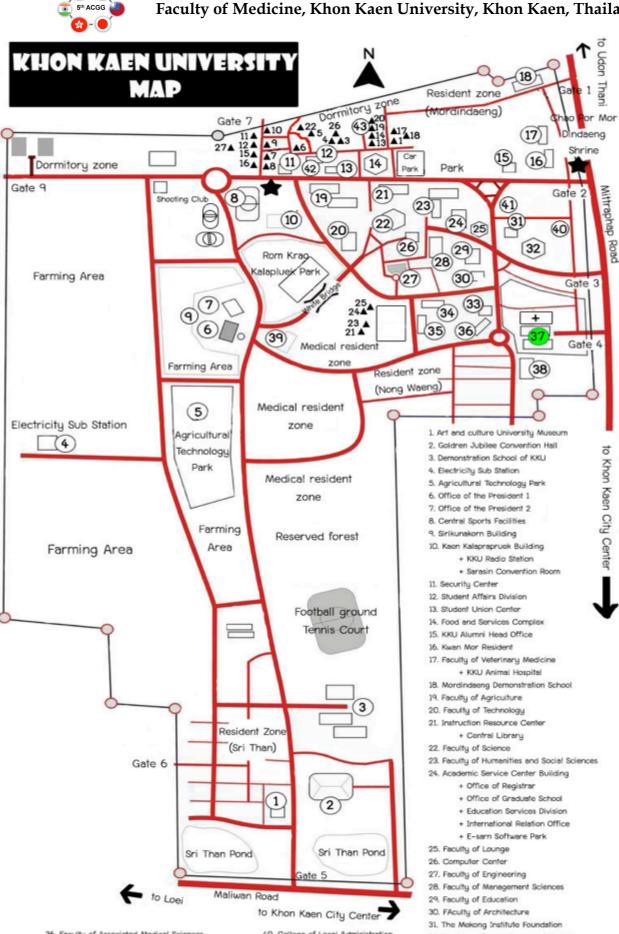
#### Poster presentations:

Poster should be a maximum of 90 cm wide and 120 cm high (portrait orientation). Fixing material will be provided. Each board will be labeled with the poster number. The presenters are requested to put their poster up before 10.00 a.m. of October 16, 2013 and the posters should be removed after 11.00 a.m. of October 18, 2013.

#### **Chairpersons:**

Chairpersons are requested to register at the Registration desk, and collect the list of speaker's name for the session. Please present in the session room 15 minutes before the session begins. Chairpersons must keep the sessions strictly on the tie and ensure that each presenter receives his/her fair time allocation.





- 36. Faculty of Associated Medical Sciences
- 37. Faculty of Medicine
  - + Srinagarind Hospital38. Faculty of Dentistry
  - + Dental Hospital
- 39. Faculty of Fine and Applied Arts
- 40. College of Local Administration
- 41. Healthcare Center
- 42. Food and Service II
- 43. Mor Din Deeng Night Market
  - ▲ KKU Student Dormitory
- 32 The KKU 25th Anniversary Building
- 33. Faculty of Pharmaceutical Science
- 34. Faculty of Public Health
- 35. Faculty of Nursing



