

**ANNUAL CONFERENCE
of the
SOCIETY FOR GLYCOBIOLOGY**

November 9 - 12, 2011
Westin Seattle, Seattle, WA

*Anne Dell, Program Chair and President
Imperial College, London, UK*

PRELIMINARY PROGRAM

Wednesday, Nov. 9	8:30 am – 1:00 pm	SATELLITE SYMPOSIUM: ADVANCES IN GLYCOPROTEIN CHARACTERIZATION AND MODIFICATION Organized by John B. Briggs, <i>Genentech Inc., South San Francisco, CA</i> and Qun Zhou, <i>Genzyme Corporation, \$40</i>
	8:00 am – 5:30 pm	SATELLITE MEETING: GLYCANS IN CELL COMMUNICATION Annual meeting of the Consortium for Functional Glycomics Participating Investigators Attendance is <i>free of charge</i> and open to all interested scientists, if attending notify Anna Crie (annacrie@scripps.edu) by October 7.
	7:00 – 7:10 pm	CONFERENCE OPENING Opening Remarks: Anne Dell , <i>President, Society for Glycobiology</i>
	7:10 – 8:30 pm	SESSION I: TOWARDS SYSTEMS GLYCOBIOLOGY Co-Chairs: Anne Dell
	8:30 – 9:00 pm	KORNFELD AWARD AND LECTURE 2011 Recipients: Sen-itiroh Hakomori & Yuan Chuan Lee
	9:00 – 10:00 pm	WELCOME RECEPTION
Thursday, Nov. 10	8:30 – 10:00 am	SESSION II: VIRUS GLYCOBIOLOGY Chair: Tom Gerken
	10:30 am – 12:20 pm	SESSION III: GLYCAN BINDING PROTEINS/GLYCOIMMUNOLOGY Chair: James Paulson
	2:00 – 4:00 pm	POSTERS and EXHIBITS
	4:00 – 5:50 pm	SESSION IV: REGULATION AND SIGNALING Chair: Hudson Freeze
Friday, Nov. 11	8:30 – 10:00 am	SESSION V: PROKARYOTIC GLYCAN ASSEMBLY Chair: Mark Lehrman
	10:30 am – 12:20 pm	SESSION VI: GLYCO XXI GUEST SESSION ON PARASITE GLYCOBIOLOGY Chair: Iain Wilson
	2:00 – 4:00 pm	POSTERS and EXHIBITS
	4:00 – 4:30 pm	BUSINESS MEETING
	4:45 – 5:30 pm	KARL MEYER AWARD AND LECTURE 2011 Recipient: Dr. Armando J. Parodi
7:00 – 9:30 pm	BANQUET. Nominal fee. Extra tickets for guests may be ordered.	
Saturday, Nov. 12	8:30 – 10:00 am	SESSION VII: STEM CELLS Chair: Jeff Esko
	10:30 am – 12:20 pm	SESSION VIII: GLYCANS AND FUNCTION Chair: Robert Haltiwanger
	2:00 – 4:00 pm	POSTERS and EXHIBITS
	4:00 – 5:40 pm	SESSION IX: DISEASE AND TRANSLATIONAL GLYCOBIOLOGY Chair: Naoyuki Taniguchi
	5:40 - 6:00 pm	CLOSING REMARKS & RECEPTION

WEDNESDAY, NOVEMBER 9**SATELLITE SYMPOSIUM: ADVANCES IN GLYCOPROTEIN CHARACTERIZATION AND MODIFICATION**Organized by John B. Briggs, *Genentech Inc., South San Francisco, CA* and Qun Zhou, *Genzyme Corporation**Fifth Avenue Room**8:30 am - 1:00 pm, \$40***8:30 - 11:00 am**

Dietmar Reusch, *Roche Diagnostics GmbH, Penzberg, Germany*, High-throughput glycoanalytics including DNA sequencing technology

Parastoo Azadi, *Complex Carbohydrate Research Center, The University of Georgia, Athens, GA*, Current mass spectrometry techniques for structural characterization of glycoproteins

Gregory Staples, *Agilent Technologies, Santa Clara, CA*, Glycopeptide analysis using microfluidic chips

Alain Balland, *Amgen Inc, Seattle, WA*, N-linked glycosylation on non-consensus protein motifs

Andrew Goetze, *Amgen Inc, Thousand Oaks, CA*, Impact of Fc high-mannose glycans on clearance of therapeutic IgG antibodies

Carlos Bosques, *Momenta Pharmaceuticals, Cambridge, MA*, Chinese hamster ovary cells can produce galactose- α -1,3-galactose antigens on proteins: considerations during biologics development

11:00 - 11:10 am Break**11:10 am - 1:30 pm**

Wesley Wang, *Amgen Inc, Seattle, WA*, Investigation of Fc effector functions by remodeling of Fc N-glycans

Robert Anthony, *The Rockefeller University, New York, NY*, Anti-inflammatory activity of the IgG Fc glycan

Steve Alley, *Seattle Genetics Inc, Bothell, WA*, Sugar Engineered Antibody (SEA) Technology: increasing antibody potency through inhibition of fucosylation

Athena Wong, *Genentech Inc, South San Francisco, CA*, Increasing cell surface heparan sulfate to enhance DNA uptake for transient production of afucosylated antibodies

Pradman K Qasba, *National Institutes of Health, Rockville, MD*: The use of wild type and mutant glycosyltransferases for the site-specific conjugation, detection and characterization of glycoconjugates

WEDNESDAY, NOVEMBER 9
CFG WORKSHOP / ANNUAL PARTICIPATING INVESTIGATORS MEETING

Program Organizer: James C. Paulson, *The Scripps Research Institute, La Jolla, CA*
Grand 3

8:30 am to 5:00 pm

This year the CFG satellite meeting combines a workshop and the annual breakout sessions for the ten CFG subgroups. The morning is dedicated to a workshop on Glyco-Bioinformatics led by Dr. Will York. The goal is to make the glycobiology community aware of the substantial progress and momentum in the Glyco-Bioinformatics arena. This workshop will continue in the afternoon in the network discussion, with two additional parallel breakout sessions sponsored by the other subgroups. Each subgroup has reserved time for subgroup discussions for coordination of activities and discuss future plans of the CFG. Posters will be available for viewing throughout the afternoon.

8:30 a.m. GLYCO-BIOINFORMATICS

Confirmed speakers

A Platform for Automated Analysis of Glycan Array Data
Sanjay Agravat, *Emory University*

Toward the Complete Repertoire of Carbohydrate Binding Domains in Bacteria
Adam Godzik, *Sanford-Burnham Medical Research Institute*

Glycoinformatics for Structural Glycomics
Stuart Haslam, *Imperial College London*

TBA
Carsten Kettner, *Beilstein Institute*

Monosaccharide Notation in Glycoinformatics: Problems, Pitfalls, and Solutions
Thomas Lütteke, *Justus-Liebig University Giessen*

Perspective on Standardization of CFG Glycomics Data
Rahul Raman, *Massachusetts Institute of Technology*

GlycomicsPortal: a central entry point to Glyco-Bioinformatics
Rene Ranzinger, *University of Georgia*

MIRAGE: The Minimum Information Required for a Glycomics Experiment
Will York, *University of Georgia*

12:30 p.m. to 1:30 LUNCH / POSTER SESSION

1:30 p.m. to 4:45 SUBGROUP MEETINGS

Hosted by: Subgroup Leaders

Discussions topics include, progress on the Paradigms and identifying knowledge gaps that need to be filled