

### **Conference Organizers**

James Prestegard, CFG and University of Georgia  
Michael Tiemeyer, CFG and University of Georgia  
John Hanover, CFG and National Institutes of Health  
Joyce Taylor-Papadimitriou, CFG and King's College London  
Joy Burchell, CFG and King's College London  
Geert-Jan Boons, CFG and University of Georgia  
Parastoo Azadi, University of Georgia

### **Theme**

Carbohydrates are important mediators of many types of cell-cell and cell-environment interactions. They are involved in activating immune cells, influencing the course of cell differentiation and proliferation, modulating apoptotic signals, establishing neural pathways and enveloping pathogens as part of both immune defense and infection. The combined goals of the symposium and workshop are to assess our state of knowledge in these areas and identify technological advances that will fill critical gaps in our knowledge about glycan-interacting systems.

The Complex Carbohydrate Research Center (CCRC) of the University of Georgia and the Consortium for Functional Glycomics (CFG), funded by the NIH/NIGMS through the Scripps Research Institute, have joined forces to sponsor these events. The CCRC has previously sponsored yearly symposia highlighting a broad range of carbohydrate research. This year, a program has been designed to focus on biomedically important roles for glycans in the regulation of basic cellular function and new methods to investigate those roles. The symposium program is intended to complement a CFG workshop that will highlight examples of glycan action in the important areas of cancer, development and inflammation. Both events are intended to promote interactions among scientists interested in carbohydrate function, and all attendees are encouraged to participate in the combined events.

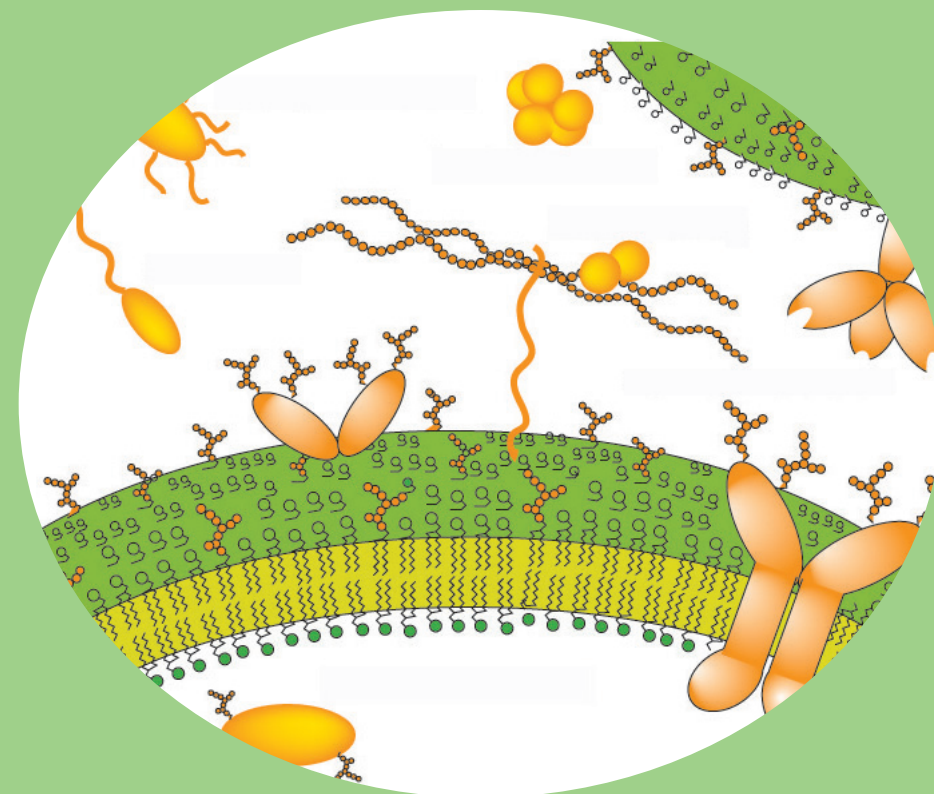
### **Venue**

The Complex Carbohydrate Research Center (CCRC) is housed in a 140,000 sq. ft. building at the edge of the University of Georgia campus. It houses 17 faculty groups with research devoted to various aspects of carbohydrate science. The CCRC is home to the UGA Cancer Center and four federally designated centers for carbohydrate research. The CCRC also provides analytical service and laboratory training courses to scientists in academia and industry. The Center has a modern auditorium that seats 250. The campus itself is 70 miles from the Atlanta airport. Flights to Atlanta from all parts of the world are readily available. For more information on registration, hotels and transportation, visit the symposium website at:

<http://www.ccrcc.uga.edu/symposium>.

# Georgia Glycoscience Symposium and CFG Workshop

## Paradigms for Glycan Action in Development and Disease



**March 14-15, 2011**

**Complex Carbohydrate Research Center  
University of Georgia  
Athens, Georgia**

## Monday, March 14 - Glycoscience Symposium

**7:45 - 8:30 am Continental Breakfast**

**8:30 - 10:15 am Intra-Cellular Regulation and Quality Control**

*Session Chair and Keynote Address*

John Hanover - NIDDK, National Institutes of Health

*Speakers*

Gerald Hart - Johns Hopkins University School of Medicine

Daniel Hebert - University of Massachusetts, Amherst

Mark Lehrman - UT Southwestern Medical Center, Dallas

Richard Steet - University of Georgia

**Discussion**

**10:15 - 10:35 am Coffee Break**

**10:35 - 12:05 pm Pathogen Biology and Human Defense**

*Session Chair*

Jim Prestegard - University of Georgia

*Keynote Speaker*

Angela Gronenborn - University of Pittsburgh

*Speakers*

Brian Cobb - Case Western Reserve University

Channe Gowda - Pennsylvania State University College of Medicine

Christine Szymanski - University of Alberta, Canada

**Discussion**

**12:05 - 1:35 pm Lunch and Poster Session**

**1:35 - 3:05 pm Neural Cell Interactions**

*Session Chair*

Michael Tiemeyer - University of Georgia

*Keynote Speaker*

Ronald Schnaar - Johns Hopkins University School of Medicine

*Speakers*

Rita Gerardy-Schahn - Hannover Medical School, Germany

Vlad Panin - Texas A&M University

Yu Yamaguchi - Sanford-Burnham Medical Research Institute

**Discussion**

**3:05 - 3:25 pm Coffee Break**

**3:25 - 4:55 pm Challenges and New Technologies  
in Glycoscience**

*Session Chair*

Parastoo Azadi - University of Georgia

*Keynote Speaker*

Robert Sackstein - Brigham and Women's Hospital, Harvard University

*Speakers*

R. Graham Cooks - Purdue University

Carlito Lebrilla - University of California, Davis

Lai-Xi Wang - University of Maryland School of Medicine

Lianchun Wang - University of Georgia

**Discussion**

**4:55 - 5:45 pm Reception and Poster Session**

**6:15 pm Perspectives on the Future of Glycobiology**  
(campus-wide lecture)

*Speaker*

Ajit Varki - University of California, San Diego

## Tuesday, March 15 - CFG Workshop

**7:45 - 8:30 am Continental Breakfast**

**8:30 - 10:25 am Glycans in Development and Cancer**

*Session Chair*

Joy Burchell - King's College London, United Kingdom

*Keynote Speakers*

Robert Haltiwanger - Stony Brook University

Michael (Tony) Hollingsworth - University of Nebraska

*Speakers*

Joy Burchell - King's College London, United Kingdom

Sandra Gendler - Mayo Clinic College of Medicine, Scottsdale

Gabriel Rabinovich - University of Buenos Aires, Argentina

**Discussion**

**10:25 - 10:45 am Coffee Break**

**10:45 - 12:15 pm Glycans in Inflammation and Immunology**

*Session Chair*

Richard Cummings - Emory University School of Medicine

*Keynote Speaker*

Laura Kiessling - University of Wisconsin

*Speakers*

Bruce Bochner - Johns Hopkins University School of Medicine

Rodger McEver - Oklahoma Medical Research Foundation

Jeffrey Ravetch - The Rockefeller University

**Discussion**

**12:15 - 1:35 pm Lunch**

**1:35 - 2:10 pm Session Reports**

**2:10 - 2:55 pm White Paper Discussion**

