



Keystone Symposia presents:
New Frontiers at the Interface of Immunity and Glycobiology
 March 6–11, 2011 • Fairmont Chateau Lake Louise • Lake Louise, Alberta • Canada
 Scientific Organizers: Brian A. Cobb, Gabriel A. Rabinovich and Yvette van Kooyk
www.keystonesymposia.org/11C5



Deadlines: Abstract & Scholarship–November 4, 2010 •
 Late-Breaking Abstract–December 9, 2010 • Early Registration–January 6, 2011

March 6: **KEYNOTE ADDRESS**

James C. Paulson, The Scripps Research Institute, USA
Targeting Immune Cells with Glycan Ligands of Siglecs

March 7: **B AND T CELL RESPONSES AND RECOGNITION**

***Brian A. Cobb**, Case Western Reserve University School of Medicine, USA
MHCII-Mediated T Cell Activation by Bacterial Carbohydrate Antigens

Michael B. Brenner, Harvard Medical School, USA
CD1-Mediated T Cell Activation by Glycolipid Antigens

Clifford M. Snapper, Uniformed Services University Health Sciences, USA
Polysaccharide Antigen-Specific Antibody Production and Vaccines

Linda Baum, University of California, Los Angeles, USA
CD45 and CD43 Glycosylation during T Cell Maturation, Activation and Survival

Short Talk(s) to be Chosen from Abstracts

March 7: **INNATE IMMUNE RESPONSES AND RECOGNITION**

***Paul R. Crocker**, University of Dundee, UK
Siglecs, Leukocyte Activation and the Innate Response

Jamey D. Marth, Burnham Institute at UC Santa Barbara, USA
A Novel Mechanism of Autoimmune Disease Induced by Altered Host Glycosylation

Caetano Reis e Sousa, Cancer Research UK, London Research Institute, UK
C-Type Lectins at the Cross-Road of Innate and Adaptive Immunity

Short Talk(s) to be Chosen from Abstracts

March 8: **CELL COMMUNICATION, HOMING AND INFLAMMATION**

***Yvette van Kooyk**, Vrije University Medical Center, The Netherlands
Carbohydrate Recognition by Dendritic Cells and Cell Communication

Rodger P. McEver, Oklahoma Medical Research Foundation, USA
Selectin-Glycoconjugate Interactions in Cell Communication

Sachiko Sato, Laval University, Canada
Roles of Host Cytosolic Lectin, Galectin-3 in Innate Immune Responses in Parasitic and Bacterial Infections

Fu-Tong Liu, University of California, Davis, USA
Galectin Roles in Allergic Inflammation

Short Talk(s) to be Chosen from Abstracts

March 8: **WORKSHOP AND PANEL: HIGH-THROUGHPUT SCREENING IN GLYCOMICS OF THE IMMUNE RESPONSE**

***Anne Dell**, Imperial College London, UK
High Sensitivity Mass Spectrometric Analysis of Glycosylation Patterns

Ten Feizi, Imperial College London, UK
Ligand Discovery of Carbohydrate-Binding Receptors

Michael Pierce, University of Georgia, USA
Novel Proteins that Recognize Specific Glycan Structures

March 9: **HOST-PATHOGEN INTERACTIONS**

***Richard Cummings**, Emory University, USA
O- and N-Glycosylation Pathways in Host-Pathogen Interactions

Stephen M. Beverley, Washington University School of Medicine, USA
Role of Leishmania Glycoconjugates in Virulence and Immune Evasion

Gerardo R. Vasta, University of Maryland, USA
Galectins and C-Type Lectins in Host-Parasite Interactions

Teunis B.H. Geijtenbeek, University of Amsterdam, The Netherlands
DC Viral Responses via DC-SIGN Recognition

Short Talk(s) to be Chosen from Abstracts

March 9: **HEMATOPOIESIS AND LYMPHOCYTE DEVELOPMENT**

***Pamela Stanley**, Albert Einstein College of Medicine, USA
O-Fucose Glycans in NOTCH Signaling and T Cell Development

Claudine Schiff, Centre d'Immunologie de Marseille, France
Galectins and B Cell Development

John B. Lowe, Genentech, Inc., USA
Fucosylation and Leukocyte Biology

Short Talk(s) to be Chosen from Abstracts

March 10: **AUTOIMMUNITY AND CHRONIC INFLAMMATION**

***Gabriel A. Rabinovich**, Instituto de Biología y Medicina Experimental, Argentina
Galectins in Immunoregulation and Inflammation

Rikard Holmdahl, Karolinska Institute, Sweden
Glycosylation Alteration of Autoantigens in Disease

Michael Demetriou, University of California, Irvine, USA
N-Glycan Branching, T Cells and Autoimmunity

Hugh J. Willison, University of Glasgow, UK
Protein-Carbohydrate Interactions in Neuronal Autoimmunity

Short Talk(s) to be Chosen from Abstracts

March 10: **TUMOR IMMUNITY**

***Minoru Fukuda**, Burnham Institute, USA
Glycan Roles in Leukocyte Trafficking during Inflammation and Cancer

Olivera J. Finn, University of Pittsburgh School of Medicine, USA
Mucin Glycosylation and Cancer Epitopes

James W. Dennis, Mount Sinai Hospital, Canada
N-Glycans in Tumor Progression

Short Talk(s) to be Chosen from Abstracts

Poster sessions will be held the evenings of March 7, 8 and 9.

*Session Chair. Program subject to change. Current as of March 19, 2010.