

Organizers:**Collaborators:**

STANFORD
UNIVERSITY



Alliance of Glycobiologists for Detection of Cancer and Cancer Risk

Integrating Glycomics with other Omics in Cancer Detection and Diagnosis

Stanford University School of Medicine, Stanford, CA 94305

SRI International, Menlo Park, CA 94025

January 19-20, 2010

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Open Symposium

Tuesday, January 19, 2010

Bechtel Conference Center at Encina Hall

616 Serra Street

Stanford, CA 94305-6055

<http://bcc.stanford.edu/map-directions>

7:30 –8:00 am	Refreshments
8:00–8:15 am	Welcome (Beverly Mitchell, MD., Stanford Univ. Sudhir Srivastava, Ph.D., M.P.H., NCI)
8:15–8:30 am	Introduction to the NCI Glycomics Alliance, Karl Krueger, Ph.D. - NCI
8:30–9:00 am	Title: Normal and Neoplastic Stem Cells Irving Weissman, M.D., Ph.D., Director, Stanford Institute for Stem Cell Biology and Regenerative Medicine, Stanford Univ.
9:00–9:30 am	Title: The Role of Galectin-3 and Related Molecules in the Diagnosis and Therapy of Epithelial Neoplasia Robert Bresalier, M.D., Univ. of Texas MD Anderson Cancer Center
9:30–10:00 am	Title: Glycans and their Role in Regulating Immunity John Lowe, M.D., Genentech
10:00–10:30 am	Title: Heparan Sulfate Endosulfatases and Cancer Steve Rosen, Ph.D., Univ. Of California San Francisco
10:30–10:45 am	Break
10:45–11:15 am	Title: O-glycans and Glycan-binding Proteins Associated with Tumorigenesis and Disease Progression Rick Cummings, Ph.D., Emory Univ.
11:15–11:45 pm	Title: Development of a Longitudinal CA125 Algorithm as a Component of a Screening Method for Early Detection of Ovarian Cancer Steven Skates, Ph.D., Massachusetts General Hospital
11:45–12:15 pm	Title: Molecular Imag(in)ing Sanjiv Sam Gambhir, M.D., Ph.D., Stanford Univ.
12:15–1:15 pm	Lunch

Overview of Activities in the Alliance of Glycobiologists for Detection of Cancer and Cancer Risk

1:15 –1:40 pm	Title: Targeting Immunogenic Sugar Moieties of HIV-1 and Human Cancers Denong Wang, Ph.D., Stanford Univ. and SRI (Jan., 2010)
1:40–2:05 pm	Title: Integrating Knowledge from Glycomic and Glycoproteomic Measurements in Cancer Research Milos Novotny, Ph.D., Indiana Univ.
2:05–2:30 pm	Title: The Immune System as a Sensitive Detector of a Novel Tumor Antigen, Arising from Combined Genetic and Dietary Mechanisms Ajit Varki, M.D., Univ. of California San Diego
2:30–2:55 pm	Title: The Development of Novel Glycoproteomics Technology for Biomarker Discovery in Plasma Proteins and Circulating Tumor Cells William Hancock, Ph.D., Northeastern Univ.

2:55–3:15 pm	Break
3:15–3:40 pm	Title: Signatures of Malignant Transformation Defined by Anti-Glycan Antibodies Margaret Huflejt , Ph.D., New York Univ.
3:40–4:05 pm	Title: Early Detection of Pancreatic Cancer: Autoantibodies and Mucin Glycoprotein Antigens Michael Hollingsworth , Ph.D., Univ. of Nebraska
4:05–4:30 pm	Title: Oncogenically Altered Glycan Expression Drives Cancer Marker Discovery J. Michael Pierce , Ph.D., Univ. of Georgia
4:30–5:30 pm	Panel Discussion
5:30 pm	Adjourn

Closed Meeting between the Alliance and the Advisors

Wednesday, January 20, 2010

Stanford Park Hotel, Menlo Room

100 El Camino Real, Menlo Park, CA 94025

<http://www.stanfordparkhotel.comdirections.html>

8:00–8:30 am	Refreshments
8:30–10:15 am	Discussion Concerning Progress of the Alliance
10:15–10:30 am	Break
10:30–12:00 pm	Discussion on Future Directions for Glycomic Cancer Research in Diagnostics
12:00 pm	Adjourn