

Alliance of Glycobiologists for Detection of Cancer and Cancer Risk

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ALLIANCE of **GLYCOBIOLOGISTS**

For Detection of Cancer and Cancer Risk

Our Mission

- **Exploit the aberrant expression of glycan structures that occurs during oncogenesis in order to gain an understanding of cancer progression with translational applications for diagnosis, prognosis, and response to therapy.**
- **Facilitate clinical validation of glycan cancer biomarkers.**



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- Funding initiated in July 2007.
- Seven tumor glycomics laboratories funded representative of the leading glycobiologists.
- Diverse glycotecchnology platforms are employed by experts spearheading their development (glycan structural analysis using several modalities of mass spectrometry for glycoproteomics, glycan/glycopeptide arrays, lectin arrays, etc).
- Collaborations developed among Alliance laboratories and with investigators from outside the Alliance



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Tumor Glycomics Laboratories

(Discovery & Development)



(Resource & Technology Support)

Early Detection Research
Network (EDRN)

(Clinical Validation Support)

http://glycomics.cancer.gov



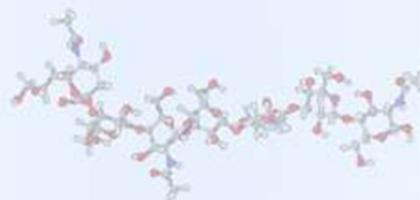
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ALLIANCE of GLYCOBIOLOGISTS

For Detection of Cancer and Cancer Risk



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Cancer Prevention

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Harnessing complex sugars to detect cancer

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STRUCTURE of the
**ALLIANCE of
GLYCOBIOLOGISTS**
For Detection of Cancer and Cancer Risk

Tumor
Glycomics
Laboratories

(Discovery & Development)

Consortium
for
Functional
Glycomics

Glycomics
Resource
Centers
(NCRR)

(Resource &
Technology
Support)

Early
Detection
Research
Network

(EDRN)

(Clinical
Validation
Support)

Welcome

Welcome to the website for the Alliance of Glycobiologists for Detection of Cancer and Cancer Risk, a consortium of seven Tumor Glycomics Laboratories and research partners. The Alliance is working to reveal the cancer-related dynamics of complex carbohydrates, and to develop new validated, clinical biomarkers for early cancer detection and risk assessment.

By combining resources and expertise, the Alliance brings an unrivaled strength to this emerging field. Here you will find [publications](#), recent [news and media](#) coverage, upcoming [meetings and events](#), [contact information](#) and scientific [resources](#) from Alliance [members](#).

Mission

The mission of the Alliance is to study structure and function of glycans in relation to cancer development towards developing clinically useful biomarkers for the early detection of cancer by using a variety of approaches and technologies. This charge also requires extensive collaborations across institutions with different skills and facilities to accelerate glycan-based

In Focus

The next Coordination Unit meeting of the Alliance of Glycobiologists for Detection of Cancer and Cancer Risk will take place **January 19-20, 2010**, at Stanford University.

[More news](#) ▶