

## Part 3

# Industrializing High-Throughput Glycoproteomics Using AI for Clinical Use

## 3-Part Series

### LIVE WEBCAST

Wednesday, April 26, 2022  
11am SST | 2pm AEDT | 10am ICT | 12pm KST

#### Presenter



**Dr. Low Ley Hian**  
Director of Development  
InterVenn Biosciences

#### Moderator



**Chris Spivey**  
Editorial Director  
BioPharm International

For questions email  
[jramesh@mjhlifesciences.com](mailto:jramesh@mjhlifesciences.com)



Register for this free webcast at:

[www.biopharminternational.com/bp\\_p/glycomics](http://www.biopharminternational.com/bp_p/glycomics)

## Event Overview

Glycans (carbohydrates) are one of four major classes of biomacromolecules present in all lifeforms. Driven by complex biosynthetic pathways involving genetic and environmental factors, glycans are adaptive to environmental changes. Contrary to other post-translational modifications that typically act as on/off switches, glycosylation dynamically affects protein structure and function. Aberrant glycosylation of proteins has been implicated in key steps of disease biology, including the hallmarks of cancer as well as inflammation cascades associated with autoimmunity and aging. Historically, glycoproteins have been analytically and computationally challenging to study at scale. Unlike DNA, RNA, and proteins, glycans are structurally complex and their synthesis is not template-based. InterVenn has built a platform that overcomes these challenges.

InterVenn Biosciences harnesses the predictive powers of artificial intelligence combined with cutting edge mass spectrometry to discover clinically relevant biomarkers that can only be revealed by high-resolution analysis of the glycoproteome. We have identified distinct glycopeptide signatures at various stages for diseases including cancer, autoimmune and neurodegeneration. The data InterVenn Biosciences produces has the potential for developing various clinical applications such as early diagnosis, companion diagnostics, prognosis, treatment selection, patient enrichment, recurrence monitoring and biomarker discovery. InterVenn Biosciences glycoproteomics based classifiers show high specificity and sensitivity for indications including Ovarian, CRC, Prostate, Pancreatic, Lung, Liver, Melanoma and many other indications.

## Key Learning Objectives

- Mass Spectrometry-based and glycoproteomics clinical application.

## Who Should Attend

- To all academicians and industry partners interested to learn more about the real-world clinical application of glycoproteomics on cancer diagnosis.

Sponsored by



Presented by

