



SPECIAL PATHOLOGY SEMINAR

2<sup>nd</sup> ANNUAL JAY JOHN LISTINSKY ENDOWED LECTURE IN GLYCOBIOLOGY

## **Gerald (Jerry) W. Hart, PhD**

Professor & Director of Biological Chemistry  
John Hopkins School of Medicine

### **“Nutrient Regulation of Signaling & Transcription by O-GlcNAcylation: Roles in Diabetes Complications”**

Thursday, December 10, 2015  
2:00 p.m.

Margaret Cameron Spain Auditorium

#### Objectives:

1. Participants will be able to describe the synergistic application of organic chemistry and glycobiology to elucidate new functions for specific carbohydrate molecules.
2. Participants will be able to discuss chemoenzymatic methods to detect and study glycosylation, including fucosylation and O-linked N-acetylglucosamine (O-GlcNAc) glycosylation.
3. Participants will be able to describe the roles of protein glycosylation in the regulation of neuronal communication and cancer metabolism.

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