

## New Capabilities for Proteomic and Metabolomic Support for Duke-Affiliated Entities

ABOUT THE LECTURE

The Proteomics Core Facility at Duke University has the capability to support a diverse range of research projects at Duke-NUS, from studies in SRPs through support of clinical trials. The clinical support has included biomarker discovery in studies in the areas of oncology, immunology, and infectious disease. The Facility is responsible for the development and application of proteomic technologies for open (unbiased) qualitative and quantitative analyses using high resolution, accurate mass tandem mass spectrometers coupled with ultra-performance nanoscale capillary liquid chromatographs, and for targeted protein quantitation with multiple reaction monitoring. In his talk, Prof. Moseley will discuss these capabilities and how they can enhance both laboratory- and patient-based research.

**Speaker:** **Dr. Arthur Moseley**  
*Associate Research Professor*  
*Director, Duke Proteomics Core Facility*

**Host:** **Prof. Patrick Casey**  
*Senior Vice Dean of Research*  
*Duke-NUS Graduate Medical School*

**Date:** Wednesday, 17 December 2014

**Time:** 12.00 PM— 1.00 PM  
(Light refreshments will be served at 11.30 AM)

**Venue:** Duke-NUS Graduate Medical School  
Room 7C, Level 7

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ABOUT THE SPEAKER

Arthur Moseley is the Director of Proteomics for the School of Medicine at Duke University. Prior to his position at Duke University, he managed mass spectrometry laboratories at GlaxoSmithKline for sixteen years, and for the last six years of these years he lead a transnational laboratory (US/ UK) dedicated to proteomic biomarker discovery. Dr. Moseley received his MS in Physical Chemistry from North Carolina State University, and his PhD in Analytical Chemistry from the University of North Carolina at Chapel Hill. His dissertation, under the direction of Professor Jim Jorgenson, addressed the coupling of nanoscale separation with tandem mass spectrometry for the analysis of peptides and proteins.

