



**Phosphopeptide sequencing and iTRAQ-based peptide quantitation
with LTQ Orbitrap XL.**

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Reliable protein quantitation is a critical component of any biomarker discovery workflow. The collision cell on the new LTQ Orbitrap XL instrument provides additional fragmentation flexibility for peptide sequencing as well as quantitation using stable-isotope tags. This talk will cover the Higher Energy Collisional Dissociation (HCD) experiments for the quantitation of iTRAQ-labeled peptides on the new LTQ Orbitrap XL.

In addition, applications of HCD for phosphopeptide sequencing will be discussed.