

# Focus On Routine



## *Nordic Mass Spectrometry and Chromatography Seminar Tour*

### AGENDA

Copenhagen – August 27<sup>th</sup> 2015

10:00-10:30 Registration

10:30-10:45 **Welcome and introduction to Thermo Fisher Scientific chromatography and mass spectrometry**

10:45-11:30 **Using a High Resolution Accurate Mass (HRAM) LC/MS/MS system in routine**

Comparing LC- HRAM based systems to LC triple quad based systems relative to:

- *Workflows set-up easy and fast*
- *Retrospective analysis of data - no need to reacquire data*
- *Quantitative and qualitative analysis*
- *Screening applications*
- *Quantitation and confirmation*
- *High selectivity*
- *All on the same platform*

11:30-12:00 **Benefits of using a HRAM LC/MS/MS system for pharma and for biopharma applications**

Advantages for Biopharma:

- *Intact antibody, ADC, etc analysis and top down sequencing of intact and H/L chains*
- *Peptide mapping including disulfide bond location and PTM and impurity analysis*
- *Glycosylation characterisation*
- *Higher order structure analysis*

Advantages for Pharma:

- *No optimization required*
- *Improvements (Time and quality) for High Throughput Analysis*
- *Qualitative and Quantitative analysis on the fly*
- *Difficult analyses made easy*
- *Data Integrity – no requirement for reanalysis of samples, re-interrogate original data*
- *Powerful HRAM metabolism data*

12:00-12:45 Lunch break

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## 12:45-13:15 **Benefits of using a HRAM LC/MS/MS system for clinical and general small molecule applications**

- *Highly capable for both targeted and untargeted applications*
- *Screening with full scan HRAM MS data is easy, accurate and gives the ability to perform retrospective analysis*
- *Eliminate both false positives and false negatives*
- *Powerful tools for unknown unknown screening*
- *Fast polarity switching allows analysis in the same LCMS experiment of a broad range of compounds in the same assay*
- *Screening, identification and confirmation are all enabled on the same platform*

## 13:15-13:45 **Introducing Vanquish UHPLC for increased sensitivity and resolution**

- *It's time to fall back in love with liquid chromatography*
- *A completely new UHPLC platform designed around the user*
- *Unrivalled retention time precision*
- *New benchmarks in sensitivity with multiple detection options*
- *Streamlined method transfer*
- *Industry leading wide pressure/flow footprint up to 1500 bar*
- *Automate the separation of up to 8832 samples with the associated charger module*
- *Components and modules built from the bottom-up to offer upmost reliability, robustness and serviceability*

## 13:45-14:00 **Questions and answers**

### **VENUE**

Thermo Fisher Scientific  
Stamholmen 193  
2650 Hvidovre