Focus Meeting – Large Meets Small
Connecting strategies on analyzing large molecules with small molecule technologies

Day 0 – 20 JUNE 2011

16:00  20:00  Registration and Information Desk Open

Day 1 - 21 JUNE 2011

07.30  12:30  Registration and Information Desk Open

08.45  09.00  Welcome and Introduction

09.00  12.30  New Technology Developments for Analysis of Large Molecules

09.00  10.30  Session 1: New Instrument Developments
Session with focus on new mass spectrometer instrumentation features in the field of large molecule quantitation including oligonucleotides (TOF, Ion-Trap, High Resolution, Ion Mobility, ....)

10.30  11.00  Coffee Break

10.30  12.30  Session 2: Cutting Edge Analytical Approaches - Peptides
Session with focus on analysis of peptides; strategy presentations and case studies are welcome here
Biomarkers can be part of this session as long as they are fitting into the molecular size

12.30  13.30  Lunch

13.30  18.00  Validation Requirements for Large Molecule Analysis with MS Techniques

13.30  15.00  Session 3: Regulatory Challenges and Acceptance Criteria
Session with focus on drivers of validation and acceptance criteria: molecular size or type of analysis
4-6-15, 4-6-20 or other? Standard or tailored approach (fit for purpose)? Biomarkers are not part of this session.

15.00  15.30  Coffee Break

15.30  17.00  Session 4: Cross Validation with and/or Data Comparision to LBA Assays
Session with focus on cross validation and data interpretation aspects
Is a 1/1 correlation needed/wanted/expected? Do we get complementary data out from the different approaches?
Biomarkers are not part of this session, unless to highlight the difference in approach.

http://bru2011.europeanbioanalysisforum.eu
Panel Discussion
Session to conclude the validation sessions and plan towards a recommendation

Cocktail Reception

Day 2 - 22 JUNE 2011

Cutting Edge Analytical Approaches - Proteins

Session 5: Sample Preparation for the Analysis of Proteins (digestions, alkylation, hydrolization, automation,...)
Session with focus of analysis of proteins after different digestion techniques and other sample pre-treatment including selective extraction and special requirements for the chromatography of proteins/peptides
Biomarkers can be part of this session

Coffee Break

Session 6: Derivatisation - Tagging of Proteins/Peptides
Session with focus of analysis of proteins using tagging and the comparison of absolute and relative quantification. Techniques as MALDI-TOF could be included in this session.
Both proteins and biomarkers can be part of this session

Lunch

Analytical Strategy

Session 7: Analytical Strategies on Combining LBA and LC-MS/(MS) for Large Molecules
Here we are expecting one to three presentations with a subsequent panel discussion on analytical strategies for a drug life cycle. How do BA strategies differ for LBA vs. Large Molecule MS vs. Small molecule MS? Can LC-MS/(MS) used at the start of a project and later on ELISA, or could we start with a generic ELISA and switch to a specific as the compounds further develops?

Coffee Break

Proteins in the MIST

Session 8: Proteins in the MIST
New technology developments in Metabolite ID and quantification for peptides and proteins. What are the requirements of MIST for therapeutic proteins/peptides? Are ADAs the MIST of proteins/peptides?

Closing Remarks and Adjourn

http://bru2011.europeanbioanalysisonforum.eu