

# YSS Program (November 17, 2015)

## Future of Bioanalysis... A Bridge between Industry and Academia

### 08:30 08:35 Welcome and Introduction

### 08:35 09:35 Expect the Unexpected

08:35 08:45 *Ils Pijpers (Janssen R&D)*

Identification and mitigation of an unexpected interference in plasma samples originating from a special population PK study

08:45 08:55 *Alison Cooper (MedImmune)*

Challenges and Considerations for the Development of Ligand Binding Assays for Novel Antibody Fusions

08:55 09:05 *Rajasekhar Thotakura (Envigo)*

A Strategic Approach for Dealing with Variable Adduct Formation and Irreversible Protein Binding for LC-MS/MS Applications

09:05 09:15 *Pierre-Yves Caron (InVentivHealth)*

Robust Sample Analysis: The Importance of Method Development.

09:15 09:25 *Elli Oksanen (Syrinx Bioanalytics)*

Universal detection reagent for immunogenicity assays in cynomolgus monkey samples

09:25 09:35 **Panel Discussion**

### 09:35 11:05 Rise of the Large Molecules

09:35 09:50 *James Howard (LGC)*

Little to LARGE: LC-MS/MS Peptide Method Development for Small Molecule Specialists

09:50 10:05 *Stéphanie Teixeira (NovImmune)*

Challenges of inflammatory biomarker assay development and validation

10:05 10:20 *Gaetan Chasseigne (Novartis)*

Parallelism assessment during method validation for the quantitation of Biologics – Case study of a drug peptide and recommendations

10:20 10:35 *Kabir Hussain (MedImmune)*

Immunogenicity Testing of Large Molecules & the Challenges of Developing ADA Assays

10:35 10:50 *Christelle Pythoud (Celerion)*

The Road to Functional Bioanalysis: Development and Validation of a Cell-Based Assay for Neutralizing Anti-Drug Antibody Analysis

10:50 11:05 **Q & A**

11:05 11:20 **Coffee break**

### 11:20 12:10 The LLOQ is not enough

11:20 11:30 *Liz Hickford (UCB BioPharma)*

Development of an accurate and sensitive ELISA for the measurement of TNF in clinical samples

11:30 11:40 *Suzy Geerinckx (Janssen R&D)*

LC-MS/MS method for simultaneous quantification of Prostaglandins in colon polyps and punches.

11:40 11:50 *Francotte Antoine (UCB BioPharma / HELHa)*

Application of Immunocapture sample pretreatment for improved specificity and sensitivity

11:50 12:00 *Victoria Jennings (Covance)*

The analysis of Clobetasol and Clobetasol-17-propionate in human plasma by LC-MS/MS

12:00 12:10 **Panel Discussion**

12:10 12:20 Poster Pitch

12:20 13:10 **Lunch break**

**13:10 14:40 To Infinity and Beyond**

13:10 13:25 **Sara Capiou (University of Ghent)**

A novel non-contact method to estimate the hematocrit of dried blood spots.

13:25 13:40 **Michele Protti (University of Bologna)**

Dried urine microsamples: a novel strategy for LC-MS/MS analysis of oxycodone and metabolites

13:40 13:55 **Karl Pettersson (Ferring Pharmaceuticals A/S)**

Evaluation of a promising new homogenous assay technology (SPARCL) and comparisons with MSD, using FSH in human serum, as test substance

13:55 14:10 **James Beecroft (Envigo)**

Use of Design of Experiments (DoE) Software to quickly and successfully develop immunoassay methods

14:10 14:25 **Tinne Huybrechts (Janssen R&D)**

The development of a sensitive LC-MS/MS assay for analysis of stable isotope labeled microdose exposure in the presence of therapeutic drug levels in human volunteers

14:25 14:40 **Q & A**

**14:40 15:10 Tricks of the Trade** – This session will be led by you the audience

Carryover issues

Unusual Matrices

Instability & ISR failures

Defining a blank matrix with endogenous analytes

Cutpoints and positive controls in immunogenicity

**15:10 15:25 Tea break**

**15:25 16:40 Bridging the Bioanalytical Community**

15:25 15:40 **Bert Rutten (LGC)**

A personal perspective on moving between academia and industry: “A Journey from Industry to Academia and Back”

15:40 15:55 **Sylvia M. Illamola (Unité de recherche Clinique – Hôpital Cochin, Paris)**

Plasma Protein Binding, new approaches and challenges for this kind of bioanalysis

15:55 16:10 **Jason Bilodeau (InVentivHealth)**

Reaching lower limits of quantification by LC-MS/MS : The quest for sensitivity

16:10 16:25 **Apoorva Kotian (UCB BioPharma)**

Higher throughput approaches towards the absolute quantitation of drug metabolising enzymes and membrane transporters in complex matrices

16:25 16:40 **Q & A**

**16:40 16:55 Poster Prize and Wrap-up**

**16:55 17:00 Adjourn**