

The BioA Brain

Embracing New Ideas

Het Pand

Culture and congress centre of Ghent University
15-16 March 2018 - Ghent, Belgium



Thursday 15 March 2018

- 15:00** **Registration desk opens**
- 16:00** **18:30** **YSS Science Café – How do you like it cooked? Rare or Well done**
Round table discussion on the future challenges of the young bioanalysts.
The YSS Organizing Committee will moderate a discussion on how to optimize bioanalytical processes and workflows in a world of increased regulations, increased budget pressures, portfolio changes and technology developments.
More info to follow in upcoming communications from the YSS
- 18:30** **20:00** **YSS Science Café summary**
Complementary reception (incl. dinner buffet)

Friday 16 March 2018

- 07:30** **Registration desk opens**
- 08:30** **08:35** **Welcome and Introduction**
- 08:35** **09:00** **Feedback from the Science Café**
- 09:00** **10:20** **Session 1: Alternative sampling having an impact**
- 09:00** **09:05** **Sofie Velghe (University of Ghent)**
Introduction to the session
- 09:05** **09:20** **Sofie Velghe (University of Ghent)**
Volumetric absorptive microsampling as an alternative tool for therapeutic drug monitoring of first-generation anti-epileptic drugs.
- 09:20** **09:35** **Michele Protti (University of Bologna)**
Enhanced stability and detection window of large and small molecules prohibited in sports by urine microsampling
- 09:35** **09:50** **Bas Sleumer (PRA Health Sciences)**
Orexin 2: M16 and M12 – the bold and the beautiful! - Determination of a drug and metabolite M16 and M12 in rat plasma using capillary micro sampling and LC-MS/MS
- 09:50** **10:05** **Lisa Delahaye (University of Ghent)**
Volumetric absorptive microsampling for the combined determination of paracetamol and its cysteine adduct
- 10:05** **10:20** **Neus Fabregat Cabello (University of Liège)**
Dealing with small sample volumes and analyte levels: the case of vitamin D metabolites in aqueous humor
- 10:20** **10:40** **Poster pitch (2-minute poster pitch for posters entering the 2018 YSS Best Poster competition – participation is voluntary for each poster submission)**

10:40	11:30	Coffee break and Poster Viewing
11:30	12:30	<u>Session 2: Overcoming Bioanalytical issues</u>
11:30	11:45	Natalie Corden (LGC) <i>The Development of a 7 Analyte Method for Measuring Heroin Metabolites in Human Urine by LC-MS/MS</i>
11:45	12:00	Snezhana Traykova (Comac Medical Ltd) <i>Overcoming extraction challenges of a bisphosphonate drug from human plasma utilizing an LLE with phase separation approach</i>
12:00	12:15	Toon Babylon (UCB Biopharma) <i>Bridging a classic serum PK assay to Cerebrospinal Fluid: challenges in using surrogate matrices and semi-automation during assay development and validation</i>
12:15	12:30	Barbara Marsiglia (Envigo) <i>Development of a LC-MS/MS bioanalytical method for the quantitation of fragrances in plasma: challenges and troubleshooting in view of validation</i>
12:30	13:30	Lunch break
13:30	14:30	<u>Session 3: MMM - Matrices, Molecules and Methods/part 1</u>
13:30	13:45	Jörg Faber (A&M Labor GmbH) <i>Best practices for the bioanalysis of endogenous substances</i>
13:45	14:00	Nanda Gruben (PRA Health Sciences) <i>Validation of an ultrasensitive Single Molecule Counting Immunoassay for determination of pharmacokinetics in a regulated environment</i>
14:00	14:15	Estelle Cochet (Novimmune SA) <i>Validation of Biomarker Assays in Disease Populations: Case Study of an Inflammatory Cytokine Immunoassay in Rheumatoid Arthritis (RA)</i>
14:15	14:30	Nikunj Tanna (Waters Corporation) <i>Applying small molecule workflows to large molecule assays – Quantification of IGF-I from biological matrices using LC-MS.</i>
14:30	15:00	Tea break and announcement 2018 YSS Best Poster Prize
15:00	16:00	<u>Session 4: MMM - Matrices, Molecules and Methods/part 2</u>
15:00	15:15	Serge Desmoulins (Agilent Technologies) <i>Drug-to-Antibody Ratio Determination for Antibody-Drug Conjugates in Serum Enabled by a Sample Preparation Platform that Automates Affinity Purification and Deglycosylation</i>
15:15	15:30	Dan Baker (University of Hertfordshire) <i>Solid Phase MicroExtraction (SPME): towards in vivo sampling of tissues and organs</i>
15:30	15:45	Maria Jadhav (Novartis AG) <i>Balancing neutralizing antibodies assay sensitivity and drug tolerance in the cell-based systems</i>
15:45	16:00	Sandy Rigot (UCB Biopharma) <i>Hybrid immunocapture-LC-MS/MS as a powerful and challenging tool to overcome selectivity issues</i>
16:00	16:10	<u>Closing Remarks and Adjourn</u>



Meeting Organisation: Sheelan Ahmad (GlaxoSmithKline), Jörg Faber (A&M Labor), Godknows Hlatshwayo (MedImmune), Ariane Kahnt (Janssen R&D), Richard Lucey (LGC), Farjana Mahammed (GlaxoSmithKline), Cara Maguire (Charles River), Ryan McDonagh (Covance), Sufyan Maqbool (AstraZeneca)

Academic collaborators: Sofie Velghe (Ghent University), Laura Mercolini (Bologna University)

The YSS is organized as a non-profit event by the EBF vzw. The organization is independent from all EBF member companies