



Into the Roaring Twenties

19-20 May 2022

The Radisson Blu - Hasselt - Belgium

Thursday 19 May 2022

- 08:30** **Registration desk opens**
- 09:45** **10:00** **Welcome and introduction to the 8th YSS**
Philip Timmerman, EBF
- 10:00** **11:00** **Session 1: Starting on a high note**
Session chairs: Liesl Heughebaert and Amelia Roberts
- 10:00 10:20 Dorota Turoňová, Charles University
Microsampling for cocaine analysis - the future or just a fairy tale?
- 10:20 10:40 Marco Cirrincione, Unibo
Innovative DBS microfluidics-based technology for the analysis of CBD and its metabolites
- 10:40 11:00 Sigrid Deprez, U-Ghent
Combined therapeutic drug monitoring of four immunosuppressants and creatinine using a single dried blood spot using the capitaizer qDBS device
- 11:00** **11:30** **Coffee break**
- 11:30** **12:30** **Session 2: Diving deeper into the data**
Session chairs: Adam Williams and Salvatore Calogero
- 11:30 11:50 Jyotsna Kaur, LGC
Impact of automation on cut point and statistical analysis in immunogenicity
- 11:50 12:10 Eniko de Jong, ICON plc
Discussion of possible interpretations of the Low Quality Control Sample determination in immunogenicity assays
- 12:10 12:30 Cathy M. Jacobs, Saarland University
Adherence monitoring – Which sample matrix might be used when?
- 12:30** **12:45** **Introduction to the 8th Science Café**
Introduction by Connor Walker
- 12:45** **13:45** **Lunch - tables grouped to start Science Café discussions**
- 13:45** **15:30** **8th Science Cafe (Format: round table)**
Pre-, during and post the Science Café, the YSS-OC wants to engage you on forging and fostering accurate and clear (scientific) communication from our industry. We will be looking at it from 2 angles:
External = to the community we are serving, e.g. via social media ... a community relying on us and that may not be fully on board with the value, details or granularity of our (scientific) communication... with re- or misinterpreting of our message, or potentially being misled.
Internal = In the lab and with our stakeholders, within and across teams and/or organisations. The value that accurate, open and timely communication can bring to projects, individuals and teams.
- The YSS-OC will prepare a pre-meeting survey to give food-for-thought for a dynamic roundtable panel discussion during our Science Café
- 15:30** **16:00** **Coffee break**
- 16:00** **17:00** **Session 3: What if it's not LBA or Chromatography...?**
Session chairs: Kate Groves and Oscar Knight
- 16:00 16:20 Axel Treu, Bayer AG

MALDI mass spectrometry imaging – A sharp tool for pharma research

- 16:20 16:40 Anna E. van Beek, Sanquin Diagnostics Services
Biomarker assays: a take on optimisation and validation in a regulated bioanalysis lab
- 17:00 18:00 Session 4: Old meets young - no abstracts submitted**
Session introduction: Philip Timmerman
- 17:00 17:30 Kyra Cowan, on behalf of the EBF
Expert view on Context of Use principles for biomarker assay validation and sample analysis
- 17:30 18:00 Matthew Barfield, on behalf of the EBF
Expert view on the changing world and future challenges for the bioanalytical community
- 18:00 18:30 Open discussion on both themes

Friday 20 May 2022

- 09:00 09:30 Feedback from the Science Café**
- 09:30 10:30 (Parallel) Session 5: And what if it is chromatography?**
Session chairs: Robert Stewart and Cathy Jacobs
- 09:30 09:50 Lea Wagmann, Saarland University
Is hydrophilic interaction liquid chromatography suitable for emergency toxicology determination of drugs in blood plasma?
- 09:50 10:10 Claire Szuster, LGC
Under Pressure: Manual versus Automated Solid Phase Extraction Platforms in the BioA Lab
- 10:10 10:30 Niklas Danne-Rasche, Nuvisan
Sound bioanalysis of liposomal drug-delivery systems – Implications and considerations for method validation processes.
- 09:30 10:30 (Parallel) Session 6: And what if it is LBA?**
Session chairs: Elien Van Nuffel and Katja Zeiser
- 09:30 09:50 Nadine Commandeur, Sanquin Diagnostic Services
The challenges of adapting a ready-to-use commercial kit for the measurement of a biomarker involved in underserved bleeding disorders.
- 09:50 10:10 Ian de Bus, Sanquin Diagnostics Services
Development and validation of a fit-for-purpose FVII ELISA suffering from drug interference
- 10:10 10:25 Georgina Varga, Novo Nordisk in collaboration with U. Copenhagen
Gyrolab immunoassay utilizing acid dissociation: mitigation of anti-drug antibody interference in the detection of an insulin analogue - part 1
- 10:25 10:40 Manca Spental, Novo Nordisk in collaboration with U. Copenhagen
Gyrolab immunoassay utilizing acid dissociation: mitigation of anti-drug antibody interference in the detection of an insulin analogue - part 2
- 10:30 10:45 Poster Pitch - included in Poster viewing slot**
- 10:30 11:30 Coffee break and Poster Viewing**
- 11:30 12:30 (Parallel) Session 7: Can things still go wrong CHROM?**
Session chairs: Esme Atkin and Lea Wagman
- 11:30 11:50 Connor Walker, Quotient Sciences
When things go wrong: Normalising failure
- 11:50 12:30 Round table (around a few inspiring questions/typical situations) on managing issues lab or project related issues as young scientist
moderators - LC-MS experts from the YSS organising community
- 11:30 12:30 (Parallel) Session 8: When sometimes things go wrong LBA/CBA...**
Session chairs: Francesca Minelli and Elien Van Nuffel
- 11:30 11:50 Oscar Knight, Intertek
Development and validation of an assay for human anti-PEG antibodies. Rising to the challenge of pre-existing antibodies to PEGylated medicines.
- 11:50 12:10 Katja Zeiser - Nuvisan
Diving deeper into data: investigation of a CV% issue during a biomarker study using Gyrolab
- 12:10 12:30 Rosie Penford, GlaxoSmithKline
The Challenges of Developing and Validating Biomarker Assays
- 12:30 13:30 Lunch break - Poster Focus 2**

13:30 14:30 Session 9: Ending big on small

Session chairs: Rosie Penford and Adam Williams

Case study on the implementation of capillary microsampling in non-clinical rodent studies for PK analysis - method development and qualification strategy.

12:30 14:10 Dieter Defever, Argenx

Capillary microsampling for PK analysis in non-clinical rodent studies: case study on PK method development and qualification strategy

13:30 14:10 Ana C. Moran Gil, LabCorp Drug Development

Development of immunogenicity and pharmacokinetic methods using volumetric absorptive microsampling (VAMS) whole human blood and the MesoScale Discovery (MSD) and Gvrolab

14:10 14:30 Laura Boffel, U-Ghent

Microsampling-based method for the determination of acetaminophen and four metabolites: a tool for pharmacokinetic studies

14:30 14:40 Announcement 2022 YSS Best Poster Winner

14:40 14:45 Closing Remarks and Adjourn

Meeting Organisation:

Adam Williams (AstraZeneca), Camilla Marasca (Unibo, until March 2022), Cathy Jacobs (Saarland University), Connor Walker (Quotient Sciences), Amelia Roberts (from March 2022), Elien Van Nuffel (Sanofi), Esme Atkin (ACM), Francesca Minelli (Merck KGaA), Robert Stewart (Labcorp), Katherine Sime (Charles River Laboratories), Katja Zeiser (Nuvisan), Laura Schlicksupp (Abbvie, until April 2022), Lea Wagmann (Saarland University), Liesl Heughebaert (Ugent), Michele Protti (Unibo), Oscar Knight (Intertek), Rosie Penford (GlaxoSmithKline), Salvatore Calogero (F. Hoffmann La Roche), Terence Hetzel (Bayer, until March 2022), Thomas Wilford (LGC Group, until Feb. 2022), Claire Szuster (LGC, from Feb. 2022)

Meeting management: Philip Timmerman (EBF)