



11th EBF Young Scientist Symposium Empowered Through Collaboration

11th YSS Symposium *** 15-16 May 2025

(Incl. 3rd EBF University *** 14 May 2025 (11h15-18h30))

Venue: The Radisson Blu - Hasselt - Belgium

3rd EBF University

Wednesday 14 May 2025 (EBF University)

10:00		Registration desk open
11:15	11:30	Welcome - getting started
11:30	12:40	What makes a drug a drug...
11:30	11:40	Introduction - Philip Timmerman, EBF
11:40	12:10	Drugability (Joao Pereira, Merck KGaA)
12:10	12:40	Translational Sciences & Biomarkers (Peter Groenen, cerebrumDAO)
12:40	13:30	Lunch break
13:30	15:00	...and how to get there
13:30	14:00	Focus on nonclinical development (Samuel Pine, Sanofi)
14:00	14:30	Focus on clinical development (David Carlile, F. Hoffmann-La Roche)
14:30	15:00	"And how bioanalysis can play a crucial roll (presenter tbc)"
15:00	15:45	Coffee break and Case study preparation
15:45	18:30	Case studies (round tables)
15:45	16:00	Introduction to the case study dynamics - Philip Timmerman, EBF
16:00	16:40	Case studies round 1 - 10min buffer time for logistics purposes
16:50	17:30	Case studies round 2 - 10min buffer time for logistics purposes
17:40	18:20	Case studies round 3 - 10min buffer time for logistics purposes
18:20	18:30	Close out remarks preparing for the 11th YSS and Adjourn
18:30		End of day 1
		Free evening in Hasselt

The EBF University is organised by the EBF in collaboration with the experts presenting at the sessions

Meeting Management and coordination: Philip Timmerman (EBF)



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11th EBF Young Scientist Symposium

Thursday 15 May 2024 (11th YSS)

08:00		<u>Registration desk opens</u>
08:45	09:00	<u>Welcome and introduction to the 11th YSS</u> Philip Timmerman, EBF
09:00	10:40	<u>(Plenary) Session: Automation and Robotics</u> <i>Session chairs will be assigned as we move closer to the meeting</i>
09:00	09:20	Richie Lofthouse, GSK <i>Bioanalytical Battle Royale: Man vs. Machine, The Selection and Implementation of Automated Technologies in LBA Workflows</i>
09:20	09:40	Chairi Misrielal, ICON <i>Advances and strategies towards automated sample preparation for regulated bioanalysis using robotic liquid handling</i>
09:40	10:00	Fruzsina Gandt, Labcorp <i>Investigate the performance of automated immunoaffinity workflows using the Thermo Scientific KingFisher™ Flex and Hamilton Microlab STAR™ with case studies.</i>
10:00	10:20	Rui Simoes, Celerion <i>Automated Biomarker Assays: Enhancing Performance with Complex Surrogate Matrices</i>
10:20	10:40	Pou Long, Resolian <i>Evaluation of Kbiosystems plate washer for increased sustainability in LC-MS bioanalytical workflows</i>
10:40	11:20	Coffee break
11:20	12:20	<u>(Parallel) Session: Microsampling</u> <i>Session chairs will be assigned as we move closer to the meeting</i>
11:20	11:40	Roberta Di Lecce, University of Bologna <i>A miniaturised approach for the therapeutic drug monitoring of new-generation antidepressants</i>
11:40	12:00	Robyn O'Connor, F. Hoffmann-La Roche <i>The future of Near Patient Sampling: how near are we really?</i>
12:00	12:20	Kevin Vandenbroucke, U-Ghent <i>Tackling the preanalytical instability of dihydropyrimidine dehydrogenase (DPD) phenotyping via dried blood microsampling</i>
11:20	12:20	<u>(Parallel) Session: Focus on Flow</u> <i>Session chairs will be assigned as we move closer to the meeting</i>
11:20	11:40	Caroline Dreis, Sanofi <i>From Drug Administration to Impact – How Flow Cytometry Assessments support Translational Medicine in a FIH Study</i>
11:40	12:00	Giovanni Caslini, Merck KGaA <i>Development Of A Cell-Based Assay to Investigate Trafficking of Biotherapeutic-Target Complex</i>
12:00	12:20	Chloe Jade Pickston, Celerion <i>A Critical Approach to Flow Cytometry Gating Strategies – A Case Study</i>
12:20	12:30	Introduction to the Science Café: The Promise of AI
12:30	13:30	Lunch break

13:30 16:00 Science Café (Format: round table): The Promise of AI

Ever since the 4th YSS, the Science Café has been an integral part of the YSS. This year, in collaboration with the Spring Focus Workshop (<https://meetings.e-b-f.eu/springfocus/>), we will explore **the Promise of AI** or the potential impact of AI on us as young scientists.

The YSS-OC is preparing a survey that will address various aspects of AI, not only in the lab but also in our daily lives. We recognize that AI may blur the boundaries between work and personal life, influencing our work-life balance in ways we have yet to fully understand.

As we approach the meeting, all registered delegates will receive a survey, allowing them to provide early input and come prepared for a meaningful discussion.

16:00 16:30 Coffee break

16:30 17:50 (Parallel) Session: New tech focus on CHROM

Session chairs will be assigned as we move closer to the meeting

16:30 16:50 Mathieu Gagné-Boulet, Syneos Health

The Determination of the Extent of Protein Binding in a Regulated Bioanalytical Environment.

16:50 17:10 Xiaomin Zhou, NovoNordisk

Pre-Analytical Stabilization of Endocannabinoids in Human Blood: Challenges and Solutions

17:10 17:30 Charlotte Perry, Labcorp

Oligonucleotide Analysis: Comparing Commercial Kits and Custom Methodology.

17:30 17:50 Mariya Nezhyva, AstraZeneca

ADC Project Support: Layers of Complexity

16:30 17:50 (Parallel) Session: New tech focus on ADA

Session chairs will be assigned as we move closer to the meeting

16:30 16:50 Samuel Ranjan, Resolian

The Use of Reporter-Gene Systems in the Detection of Neutralising Antibodies for Immunogenicity Risk Assessment

16:50 17:10 Open slot

You can still submit an abstract fitting this session via <https://meetings.e-b-f.eu/yss/> (tab submit an abstract)

17:10 17:30 Sabrina Walch, F. Hoffmann-La Roche

Transfer and validation of a bridging ELISA to assess the formation of anti-drug antibodies against a siRNA drug

17:30 17:50 Annie Chu, Labcorp

A Comparison of Antibody Pairings for a Generic PK Assay in a Non-Clinical Setting

19:30 22:30 11th YSS (Complementary) cocktail reception and conference dinner

22:30 End of day 2

Friday 16 May 2025

09:00 09:30 Feedback from the Science Café

09:30 10:00 Poster Pitches (for posters signing up for a 5-min poster pitch):

For details, see <https://meetings.e-b-f.eu/yss/> (tab submit an abstract, link to poster abstract form)

10:00 10:30 Discussions @ posters during the coffee break

10:30 11:30 (Plenary) Session: Breaking silos

Session chairs will be assigned as we move closer to the meeting

10:30 10:50 Fabian Gärtner, Nuvisan

PK as a context of use

10:50 11:10 Brian Dan, F. Hoffmann-La Roche

Complementarity between LB and LCMS assays for protein analysis – When LCMS comes into play

11:10 11:30 Sebastian Zimmermann, Nuvisan

Optimizing Data Reconciliation in Bioanalysis: Addressing Risks and Inefficiencies

11:30 11:40 Short logisitc break to change rooms

11:40 12:40 (Parallel) Session: There is no wrong or right...it's all lab fun (LBA)

Session chairs will be assigned as we move closer to the meeting

11:40 12:00 Marta Vuerich, Novartis

Two assays are better than one

12:00 12:20 Sheena Raina, Intertek

Navigating the Complexities of PK Assays: A Case Study

- 12:20 12:40 Sabrina Goertz, BioAgilytix
Implementation of an Electrochemiluminescent Immunoassay for the Detection of a Monoclonal Antibody in Cynomolgus Monkey Serum
- 11:40 12:40 (Parallel) Session: there is no wrong or right...it's all lab fun (CHROM)**
Session chairs will be assigned as we move closer to the meeting
- 11:40 12:00 Dorian van Kuijk, Byondis
Optimizing LC-MS for Quantitative Antibody Assays in Preclinical Studies: A Comprehensive Approach
- 12:00 12:20 Mathieu Cyrille, Sanofi
Quantification of IRAK4 by immunocapture LC-MS/MS in human whole blood.
- 12:20 12:40 Julius Kleeberg, F. Hoffmann-La Roche
Challenges in the LC-MS bioanalysis of lipid-conjugated oligonucleotides
- 12:40 13:30 Lunch break - Poster Focus 2**
- 13:30 14:50 (Parallel) Session: It's the Context of Use...**
Session chairs will be assigned as we move closer to the meeting
- 13:30 13:50 CoU presentation from the EBF
presenter tbc
- 13:50 14:10 Nikoleta Palioudaki, NovoNordisk
Quantification of Plasma Biomarkers Using LC-MS/MS: An Innovative Approach for Assessing Transporter-Mediated Drug-Drug Interactions
- 14:10 14:30 Open slot
You can still submit an abstract fitting this session via <https://meetings.e-b-f.eu/yss/> (tab submit an abstract)
- 14:30 14:50 Open slot
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- 13:30 14:50 (Parallel) Session: New Technologies**
Session chairs will be assigned as we move closer to the meeting
- 13:30 13:50 Karolina Wasiluk, NovoNordisk
Flow Induced Dispersion Analysis: A Novel Approach for Affinity Assessment and Molecular QC
- 13:50 14:10 Stavroula Aretha, NovoNordisk
CFCA analysis using FIDA Neo: A novel approach to specific antibody proportion determination
- 14:10 14:30 Amy Jowett, Labcorp
Enhancing qPCR Sensitivity: Optimizing for Precise Detection of Low-Abundance Targets in Micro-Samples
- 14:30 14:50 Hannah Vernon-Browne, Resolian
Trials and Tribulations of Transgene Assays
- 14:50 15:30 Discussions @ posters during coffee break**
- 15:30 16:30 Closing session**
Session chairs will be assigned as we move closer to the meeting
- 15:30 15:50 Rosalie Ghesquière, Ghent University
Standard addition-based quantification of methylene blue in pig plasma samples using liquid chromatography-tandem mass spectrometry.
- 15:50 16:10 Andrea Di Ianni, Merck KGaA
MHCII-associated peptide proteomics (MAPPs): an in vitro tool to estimate immunogenicity risk of protein therapeutics in preclinical phase
- 16:10 16:30 Erin Hodgkinson, Charles River
AI in the CRO – How Modern CROs can accelerate drug development
- 16:30 16:40 Closing the 11th YSS, Announcement 2025 YSS Best Poster Winner**
16:40 Adjourn

11th YSS Meeting Organisation:

Rosie Penford (AstraZeneca), Klara Szydlo (BioAgilytix), Eva Hanckmann (Byondis), Rui Simoes (Celerion), Erin Hodgkinson (Charles River), Federica Calderaro (Genmab), Sanam Ahmad (GSK), Sara Russo (ICON), Bryony Pomfret (Intertek), Alexandra Bushby (Labcorp), Andrea Di Ianni (Merck KGaA), Xiaomin Zhou (Novo Nordisk), Fabian Gaertner (Nuvisan), Scott Naylor (Pharmaron-UK), Matthew Brown (Quotient Sciences), Hannah Vernon-Browne (Resolian), Robyn O'Connor (F. Hoffmann – La Roche), Mathieu Cyrille (Sanofi), Caroline Dumolyn (Sanofi), Kevin Vandenbroucke (U. Ghent), Kai Simon Wellenberg & Diana Kretschmer (U. Saarland), Emilie De Witte (UCB), Annalena Kenzelmann (Abbvie), Julie Zurbuch (Novartis), Elisa Milandri (U. Bologna)

Meeting Management: Philip Timmerman (EBF)

Patrons of the 11th YSS: AstraZeneca, Boehringer-Ingelheim, BioAgilytix, Merck KGaA and Nuvisan