

# ChromSoc

The Chromatographic Society - founded 1956

## 23<sup>rd</sup> International Reid Bioanalytical Forum

23<sup>rd</sup>-26<sup>th</sup> September, 2019

The Cambridge Belfry, Cambourne, UK

Presented by the Forum Syndicate of the Chromatographic Society



The Belfry Hotel, Cambourne will once again be the venue for the 23<sup>rd</sup> Reid Bioanalytical Forum, with an off-site social event at Clare College, Cambridge (photo). We will be sticking to our principles of presentations and discussions on cutting edge science, and providing a supportive environment for early career bioanalysts, all performed in an inclusive and congenial atmosphere. Sessions will cover the usual mix of new technologies, emerging trends in bioanalysis, together with regulatory aspects. There will be a single stream of oral presentations given by lecturers from pharmaceutical companies, contract research organisations, instrument manufacturers and academics, supported by poster presentations and vendor exhibitions.

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## 23<sup>rd</sup> International Reid Bioanalytical Forum

### Day 1 (Monday 23<sup>rd</sup> September)

Start Time	End Time	Event / Presentation Title	Presenter Name
12:00	17:00	<b>Biomarkers Training Course</b> - Dr. Radboud van Trigt, Director of Bioanalytical Science of PRA Health Sciences, and Nico van de Merbel, Senior Director of Bioanalytical Science at PRA Health Sciences (includes lunch) - This training will offer attendees an introduction to the interesting and challenging world of bioanalysis for biomarkers. The role of a biomarker typically changes over time and can develop from an exploratory assessment to a primary end-point for a clinical study. This has consequences for the method, its validation and regulatory expectations. The course will cover the importance of biomarker analysis and regulatory aspects for biomarkers in drug development. It will also contain several technology-based sessions providing information on different platforms used for biomarker analysis. This will include clinical chemistry platforms, ligand-binding assays, LC-MS/MS, flow cytometry, genomics and other platforms. Special attention will be given to the differences between biomarker and PK assays and on ways to monitor and improve quality of biomarker data in order to provide the end-users the information they need.	
16:00	17:30	Registration	
18:00	Late	Social event (Hotel) including food & open bar - Quiz	

### Day 2 (Tuesday 24<sup>th</sup> September)

Start Time	End Time	Event / Presentation Title	Presenter Name	Chair	
08:00	08:30	Registration			
<b>Bioanalysis of the Future</b>					
08:30	09:15	Adventures with Dynamic and Disordered Proteins and Joy	Perdita Barran (University of Manchester)	Chair - Tim Sangster	
09:15	09:45	Utilising SPE for the collection and storage of faecal hormone metabolites - Invaluable physiological data for endangered species in the field	Sue Walker & Rebecca Mogey (Chester Zoo)		
09:45	10:05	The Bio-Analytics of Drug Development in Human Health versus Animal Health	Elizabeth Crawley (Elanco)		
10:05	10:25	Development and Validation of a Method to Measure Total Iron and Transferrin Bound Iron In serum samples from Patients Treated With Supplemental Iron-Sucrose	Howard Parker (Alderley Analytical)		
10:25	11:00	Break / Vendors / Posters			
11:00	11:20	Challenges and Solutions to the Bioanalysis of Large Molecules by LC-MS/MS: Development, Validation and Production	Shane Needham (Alturas Analytics)		
11:20	11:40	Analytical Challenges in Characterising the Human Exposome	Toby Athersuch (Imperial College, London)		
11:40	12:00	Bioanalysis of bicyclic peptide-drug conjugates across matrices and species	Fabrizia Fusetti (QPS)		
12:00	13:30	Lunch / Vendors / Posters			
<b>Regulatory Bioanalysis</b>					
13:30	14:00	MHRA update on laboratory compliance: Ensuring Data Integrity	Jason Wakelin-Smith (MHRA)	Chair - Ludo Staelens	
14:00	14:30	The regulatory environment – EBF's focus in 2019	Philip Timmerman (on behalf of the European Bioanalysis Forum (EBF))		
14:30	15:00	Break / Vendors / Posters			
15:00	15:20	Working with the MHRA when it all goes horribly wrong – a case study	Richard Houghton (Cancer Research UK)		
15:20	15:40	Evolution of data in a small regulated bioanalytical laboratory	Michael Leith (University of Aberdeen)		
15:40	15:50	Poster presentations			
16:00	Late	Dinner at Clare College, Cambridge. Reception starts at 6:45pm. Dinner at 7:30pm.			

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Day 3 (Wednesday 25<sup>th</sup> September)

Start Time	End Time	Event / Presentation Title	Presenter Name	Chair
<b>Open Session</b>				
09:00	09:30	Criteria for Accepting the Data Obtained From Multi-Analyte Biomarker and Drug Bioanalysis	Ian Wilson (Imperial College)	Chair - Neil Spooner
09:30	09:50	Feedback from the EBF on The Immunogenicity Strategic Workstream	Jo Goodman (on behalf of the European Bioanalysis Forum (EBF))	
09:50	10:10	A Systematic Approach for Improving the Recovery of Hydrophobic Peptides during LC-MS Analyses	Nikunj Tanna (Waters)	
10:10	10:30	Next Generation Trypsin: Towards Single Day Bottom up Protein LC-MS/MS Bioanalysis	Ashley Phillips (LGC)	
10:30	11:00	<b>Break/ Vendors / Posters</b>		
11:00	11:30	Free/active and total drug quantification by LBA or LC-MS - Different technologies but common scientific and regulatory challenges?	Roland Staack (Roche)	
11:30	11:50	Measuring endogenous human insulin in healthy and diabetic patients by hybrid immunoaffinity-mass spectrometry: baseline values, challenges and solutions	Michael Blackburn (Arcinova)	
11:50	12:10	Quantitation of Insulin analogue Glargine and its two Metabolites M1 and M2 in Human Plasma using a hybrid LBA-LC-MS/MS approach	Sergio Menta (Celerion)	
12:10	12:30	Analytical challenges of working with old compounds: knowledge gaps and misleading information exemplified by a case study	Mark Bayliss (North Bristol NHS Trust)	
12:30	14:00	<b>Lunch / Vendors / Posters &amp; VRS Seminar on Recruitment</b>		
<b>What are the requirements of the next generation of Bioanalytical Scientists?</b>				
14:00	14:20	Pharma / Biotech Perspective	Amanda Wilson & Jo Goodman (AstraZeneca)	Chair - Jaap Wieling
14:20	14:40	CRO Perspective	Peter Ketelaar (PRA)	
14:40	15:00	Academic Perspective	Henk Lingeman (Free University of Amsterdam)	
15:00	15:30	Discussion on differing Staff needs of Pharma and CROs		
15:30	16:00	<b>Break / Vendors / Posters</b>		
16:00	16:15	<b>Poster presentations</b>		
16:15	17:30	<b>Ask the Doctor - troubleshooting people's analytical challenges</b>		
18:00	Late	<b>Conference Dinner (Hotel) - Mr Flavour Cocktails &amp; Karaoke</b>		

Day 4 (Thursday 26<sup>th</sup> September)

Start Time	End Time	Event / Presentation Title	Presenter Name	Chair
<b>Impact of Bioanalytical Science</b>				
09:00	09:20	Patient centric blood sampling - What is it and where might it be taking us?	Neil Spooner (Spooners Bioanalytical Solutions)	Chair - Jon Bardsley
09:20	09:50	Understanding the Value of When you Sample vs. What you Measure in Clinical Trials	Kevin Bateman (Merck)	
09:50	10:10	Addressing ion suppression from non-sample derived sources	Anthony Edge (Agilent)	
10:10	10:30	Development of a LC-MS/MS assay for pg/mL quantification of deslorelin in cattle	Philip Waghorn (Charles River)	
10:30	11:00	<b>Break</b>		
11:00	11:20	Explaining spurious immunoassay results: LC-MS analysis of plasma from patients with Insulin Autoimmune Syndrome	Richard Kay (Cambridge University)	
11:20	11:40	LMTX: An Analytical Challenge	Tom Baddeley (University of Aberdeen / TarRx Therapeutics)	
11:40	12:00	Multi-Analyte LCMS Assays: Free lunch or frightening bill?	Alina Pruna (LGC)	
12:00	12:20	Endogenous substrates of the excretion transporters OAT1 and OAT3: development and validation of an LC-MS/MS method	Ils Pijpers (Janssen)	
12:30		<b>CONFERENCE END</b>		

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## 23<sup>rd</sup> International Reid Bioanalytical Forum

### Booking information

All prices shown are inclusive of VAT. Please register for the meeting at the following web address: <https://www.eiseverywhere.com/ereg/index.php?eventid=390562&>

#### Rates for the meeting are:

Early rate (before July 31 <sup>st</sup> )	Standard rate (after July 31 <sup>st</sup> )	Discounted early rate *	Discounted standard rate *	Package includes
£480	£540	£450	£510	<ul style="list-style-type: none"> <li>– Conference registration and handbook</li> <li>– Lunch and evening meals each day</li> <li>– Invitation to conference dinner and social events</li> <li>– ChromSoc membership for remainder of year</li> </ul>

\* Discount applicable to existing members of the Chromatographic Society & BMSS

### Accommodation

	B&B rate	Package includes
Check in 23 <sup>rd</sup> , out 26 <sup>th</sup> September	£318	Bed and breakfast accommodation for 3 nights. (Please quote conference code ACHRS when booking directly)

Directions to the Cambridge Belfry can be downloaded at:

<https://www.qhotels.co.uk/our-locations/the-cambridge-belfry>

### Biomarker Training Course

	Course rate	Package includes
Monday (PM) 23 <sup>rd</sup> September	£240	Refreshments, course materials and exclusive access to industry experts in biomarker analysis

Registration for the training course is an option during conference booking at the following web address: <https://www.eiseverywhere.com/ereg/index.php?eventid=390562&>

### Student Support

Student supervisors are invited to apply for bursaries on behalf of PhD students that are involved with Bioanalysis. The student will be expected to present a poster on their work. For more information e-mail Dr Liz Want ([e.want@imperial.ac.uk](mailto:e.want@imperial.ac.uk)).

### Posters

If you would like to offer a poster, please register an abstract for consideration by the scientific committee using the following link:

<https://www.eiseverywhere.com/eSites/390562/Login>

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