

ANALYTICAL ARENA IRELAND

HOSTED BY AGILENT TECHNOLOGIES
WITH SCIENTIFIC PARTNERS

November 29th and 30th, 2017

OUTLINE AGENDA – DAY ONE

Wednesday, 29th November

Meet Agilent Scientists with Partners from Industry and Academia

08:30 - 09:00 11:00 - 12:00	Coffee & Registration
09:00 - 12:00	Agilent 1hr Workshops - choose any three from five sessions
12:00 - 13:00	Lunch Break
13:00 - 13:30	Welcome to 'Analytical Arena Ireland'
13:30 - 14:15	Prof Mark Ferguson, Director General of Science Foundation Ireland (SFI) and Chief Scientific Adviser to the Irish Government
14:15 - 15:00	'Meet the Leaders' - Discussion Panel – Agilent, Researchers & Industry Driving Economic impact with collaboration success
15:00 - 15:30	Coffee Break
15:30 - 17:30	Industry Track Sessions (30 mins each)
17:30	End of scientific sessions
19:00 - 22:30	Evening dinner



Wednesday, 29th November- Detailed Program

Workshop sessions 9:00 to 12:00 Choose 3 from the below options

1	<p>Training/Educational Workshop</p> <p>Regulatory Compliance & Data Integrity – Managing your CDS system – The practical approach. Learn what areas to focus your attention within a CDS system, ensuring your Data Integrity management is strong and understood within the lab</p> <p><i>Garry Wright, Agilent Technologies</i></p>
2	<p>Training/Educational Workshop</p> <p>Here comes the Science! Separation & MS Fundamentals This workshop goes back to the fundamentals of GC/MS and LC/MS: What is mass spectrometry? - the theory will be explained. Where are these instruments used in chemical and biological science? When to use single quadrupole, triple quadrupole and time-of-flight instruments. Why is mass spectrometry the fastest growing analytical technique? And finally how do analysts get the best performance out of mass spectrometry in their laboratories? This workshop is an ideal learning platform for chemists, biologists and analysts new to GC/MS and LC/MS as well as those who require a further understanding of the different MS technologies used in industry.</p> <p><i>Bryan White/Dr. Marcus Chadha, Agilent Technologies</i></p>
3	<p>Training/Educational Workshop</p> <p>Target, Suspect and Discovery – New Mass Hunter Workflows for High Resolution Mass Spectrometry (HRMS) This workshop will present the new Screening Workflows provided in the latest MassHunter Software. Using different examples and case studies, the utility of the Mass Hunter software family will be highlighted including the use and creation of Personal Compound Database and Libraries (PCDL), All Ions MS/MS, Molecular Structure Correlator (MSC), Mass Profiler and Mass Profiler Professional, presented in the context of their use in Screening Workflows. From food contamination, emerging environmental issues and water safety to investigating extractables and leachables in food and pharm industries, this workshop will show existing users how to implement these workflows and demonstrate to new users the power of HRMS based screening.</p> <p><i>Gordon Ross, Agilent Technologies</i></p>
4	<p>Training/Educational Workshop</p> <p>Making you successful Tips and Tricks in LC and GC analysis? HPLC trouble shooting & tips and Tricks This part of the workshop will cover the different HPLC components from autosampler, pump, column oven and detector (including MS detector) and provide an overview of different separation technique including reversed phase, normal phase, ion-exchange chromatography along with pitfalls to look out for. Tips & Tricks for increased productivity (e.g. Agilent A-line supplies) will be discussed GC Trouble shooting & Tips and Tricks The second part of this workshop focus on key GC components including, injector, column, choice of detector (including MS detector) and discuss different gas phase separation techniques as well as pitfalls to look out for. Tips & Tricks to ensure increased productivity (e.g. Agilent Ultra Inert flow Path and supplies) will also be discussed</p> <p><i>Dr. Chirag Patel/Dr. Damien Treacy, Agilent Technologies</i></p>
5	<p>Elemental Analysis/ Atomic Spectroscopy Workshop</p> <p>How to choose the right Atomic Spectroscopy technique for your application(s) The workshop will give an overview of the range of Atomic Spectroscopy techniques available and compare and contrast their relative merits and costs for different applications and customer requirements. If you are thinking about adding elemental analysis to your portfolio and are not quite sure how to choose the best technique or you simply want to understand what the modern instruments (including relatively new techniques like microwave plasma AES and triple-quadrupole ICP-MS) can do, then this workshop is for you!</p> <p><i>Dr. Rai Wahlen, Agilent Technologies</i></p>



Wednesday, 29th November- Detailed Program

Industry Track Sessions (30 mins each)

	Pharma & BioPharma	Food & Environmental	Academia & Research
15:30 – 16:00	Application of LCMS-QTOF for Impurities in Pharmaceutical samples <i>Dr. John Malone,</i> Almac Sciences	Technology innovations supporting the challenge of water management toward Food Harvest <i>Fiona Regan/Lisa Jones,</i> The Water Institute, Dublin City University	Commercialisation of Next Generation Protein Biomarkers for Liquid Biopsy <i>Prof Steve Pennington,</i> Conway Institute of Biomolecular & Biomedical Research
16:00 – 16:30	Advanced Characterisation of BioTheapeutics <i>Dr. Brian Morrissey,</i> <i>Contract Research Manager,</i> National Institute for Bioprocessing Research & Training, NIBRT	Investigative QTOF/MS workflows in food analysis <i>Dr. Tony Sullivan,</i> Agilent Technologies	<i>Early Career Researchers</i>
16:30 – 17:00	New approaches to cleaning verification for pharmaceutical manufacturing <i>Dr. Conor McSweeney,</i> <i>Senior Manager, PAT Projects,</i> Pfizer Ringaskiddy	Excellence through accreditation <i>Noel Gilmore, Research & Innovation Manager,</i> Eurofin-ELS (Environmental Laboratory Services)	<i>Early Career Researchers</i>
17:00 – 17:30	Novel Automation solutions for small volume dissolution <i>Owain McKenzie,</i> Agilent Technologies	<i>TBC</i>	New options for nanoparticle analysis with ICP-MS and ICP-QQQ-MS <i>Dr. Rai Wahlen,</i> Agilent Technologies



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OUTLINE AGENDA – DAY TWO

Thursday, 30th November

Meet Agilent Scientists with Partners from Industry and Academia

08:30 – 09:45	<p>Data Integrity Governance - Planning for success</p> <p>This session will include discussion and update around the topic of Data Integrity Governance and what the MHRA, HPRA and regulatory bodies across the globe have been increasing vocal about in terms of GMP data integrity expectations for the pharmaceutical industry. Topics will include the establishment of good data integrity practices which are fundamental in assuring product quality and ultimately public safety</p> <p><i>Garry Wright, Agilent Technologies</i></p>
09:45 – 10:00	Questions & Answers session
10:00 – 10:30	Coffee Break
10:30 – 11:30	<p>Introduction/Plenary Session – Agilent ‘Business Intelligence & Laboratory Informatics’</p> <p>This session reviews how industry and regulatory changes are impacting on laboratories across multiple industries. Increased expectations around laboratory productivity and efficiency while meeting latest regulatory guidelines means that laboratories are looking for new ways to increase the productivity of their Chemists and Analysts, maximising Instrument Utilisation and reducing non value add activities. The session provides an overview of how Agilent are helping laboratories overcome these challenges through Lab Informatics solutions and associated Laboratory Business Intelligence Insights which can be used to make better informed decisions about how to improve laboratory work flows and processes.</p>
11:45 – 12:45	<p>Auditing is a critical aspect of an overall data integrity assurance plan and maintaining data integrity is essential for preparing for your next audit. This session will focus on the key stages needed for you to prepare a strong strategy to put you in a stronger position to meet the requirements of your next audit. prepare for your audit with a good strategy .</p> <p><i>Garry Wright, Agilent Technologies</i></p>
12:45 – 13:30	Lunch Break
13:30 – 15:00	1 st Industry Track Sessions (30 mins each)
15:00 – 15:30	Coffee Break
15:30 – 17:00	2 nd Industry Track Sessions (30 mins each)
17:00 - 17:15	Closing remarks and end of the meeting



Thursday, 30th November - Detailed Program

1st Industry Track Sessions (30 mins each)

	Pharma & BioPharma	Food & Environmental	Academia & Research
13:30 – 14:00	Application of 2D-LC-MS Single Quad in the pharmaceutical laboratory <i>Dr. Peter Smith,</i> Almac Sciences	Analysis of Chlorite milk <i>Dr. Martin Danaher,</i> Teagasc, National Food Centre	LC-MS in the investigation of pre-eclampsia <i>Dr. Robyn Tuytten,</i> Metabolomics Diagnostics
14:00 – 14:30	HPLC Method transfer with iSet Technology <i>Stephan Crowley,</i> Eurofins	From minutes to seconds: A new Approach to Ultra-rapid LC/MS analysis <i>Marcus Chadha</i> Agilent Technologies	Towards Precision Medicine – Powerful Metabolomics Solutions <i>Dr. Tony Sullivan,</i> Agilent Technologies
14:30 – 15:00	Bio Pharma applications using a Bioinert HPLC <i>Dr. Damian Connolly,</i> <i>Senior Analytical Scientist,</i> APC Ltd.	High Resolution Mass Spectrometry for Authenticity testing of Manuka Honey <i>Sufyan Pandor,</i> Agilent Technologies	Metabolomics in investigation and clinical management of ANCA vasculitis <i>Dr. Mark Little,</i> St. James' Hospital/Trinity College

2nd Industry Track Sessions (30 mins each)

	Pharma & BioPharma	Food & Environmental	Academia & Research
15:30 – 16:00	Elemental Impurities ICH Guidelines for Risk Assessment and Analysis <i>Brendan Murray, Senior Scientist,</i> Eurofins-ELS (Environmental Laboratory Services)	Metabolomics in nutritional research <i>Prof. Lorraine Brennan,</i> University College Dublin	Agilent academic tools – an educational perspective <i>Dr. Panagiotis Manesiotis,</i> Queens University Belfast
16:00 – 16:30	The Agilent Bravo Assay Map - automation for seamless biologic sample prep. <i>Alanna Connelly,</i> Agilent Technologies	Glyphosate analysis in water samples by LCMS <i>Iain Kay,</i> Agilent Technologies	Transforming the GCMS experience <i>Dr. Bryan White,</i> Agilent Technologies
16:30 – 17:00	Current challenges & opportunities within BioPharma TBC	Real world analytical challenges for the Analysis of drinking water by ICP-MS <i>Aideen Kearney,</i> Dublin City Council	Application of 2D-LC to Solve the Most Challenging of Separations <i>Shaun Pritchard,</i> Agilent Technologies