

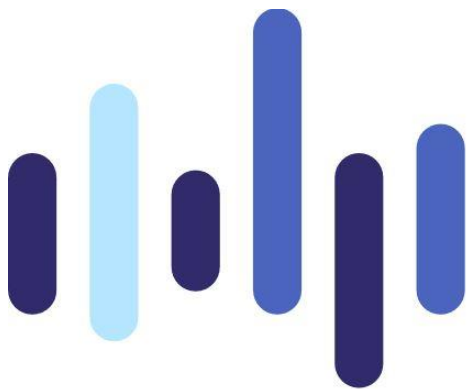
IMSS

Irish Mass Spectrometry Society

Annual Conference, Virtual Event Tuesday & Wednesday 11th & 12th of May 2021

Day 1, 11th May 2021

- 09.00 - 09.05 Open meeting
- 09.05 – 09.15 International Mass Spectrometry Foundation School – Belfast 2021 Update – Dr. Diego Cobice
- 09.15 - 9.50 **Keynote speaker** – Prof. Anthony Whetton (**University of Manchester**) – *‘Protein biomarkers for precision medicine: Development of a large scale integrated platform for clinical proteomics and drug target discovery.’*
- 9.50 – 10.10 Dr. Eileen Ryan (**UCC**) – *‘Lipidomics: unravelling the role of lipids in the host:microbe dialogue’*
- 10.10 - 10.20 Break
- 10.20 – 10.35 Fionn O Fearghail (**TUD**) – *‘Exploring Shellfish By-Products as Sources of Blue Bioactivities’*
- 10.35 – 10.55 Dr. Giorgio Oliviero (**UCD**) – *‘Quantitative proteomics of six mouse organs reveals distinct and dynamic protein expression profiles during ageing’*
- 10.55 – 11.20 Dr. Jonathan Bones (**NIBRT**) – *‘Characterisation of complex biopharmaceuticals using a novel hybrid quadrupole Orbitrap mass spectrometer’*
- 11.20 – 11.35 Carla Harkin (**UU**) – *‘Spatial localisation of reactive aldehydes in db/db mouse model using Mass Spectrometry Imaging (MSI) to identify potential biomarkers for Diabetic Nephropathy detection, stratification and disease progression’*
- 11.35 – 12.00 Dr. Jim Muldoon (**UCD**) – *‘Installing advanced MS instrumentation in a core facility during a pandemic – challenges and perspectives’*
- 12.00 - 12.25 David Mannion (**Teagasc**) – *‘Application of GCxGC TOFMS/FID to FAME profiling of dairy fat.’*
- 12.25 – 12.30 Closing



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Day 2, 12th May 2021

- 09.00 - 09.05 Open meeting
- 09.05 – 09.25 Dr. Joanna McGouran (**TCD**) – *‘A radical approach to activity-based protein profiling’*
- 09.25 - 09.40 Merissa Cullen – (**MU**); *‘Profiling the effects of active ingredient and commercial formulated glyphosate on the brain and gut proteome of the bumblebee *Bombus terrestris* using mass spectrometry-based proteomics’*
- 09.40 – 10.05 Prof. Lorraine Brennan (**UCD**) – *‘Quantitative metabolite measurements: what can we learn from them?’*
- 10.05 - 10.15 Break
- 10.15 – 10.40 Martin De Cecco (**Merck Life Science**) – *‘Analytics to ensure the quality of gene therapy products’*
- 10.40 – 10.55 Emma Lacey, (**TCD**); *‘Assessment of normalisation strategies for untargeted metabolomic analysis of primary immune cells in ANCA-associated vasculitis’*
- 10.55 – 11.25 MS Trouble Shooting/ Q&A session (Agilent, Sciex, Thermo, Water, SepSolve)
- 11.25 – 11.45 Patrick English – (**PAL**); *‘A quantitative procedure for the determination of Tetrahydrocannabinol (THC) and precursors in hemp-based products by UPLC-MS/MS.’*
- 11.45 – 12.20 **Keynote speaker** – Rick Yost (**University of Florida**) – *‘Analytical Mass Spectrometry: How Did We Get Here, Where are We Going?’*
- 12.20 – 12.25 Bursary winners/ cert presentations
- 12.25 – 12.30 Closing