



***Some presentations topics and titles are tentative and will be confirmed in the final agenda**

Day One- 7th May

- 9:30 - 10:30 AM: Registration, Coffee, and Poster Viewing

Session 1: Challenges and Opportunities of Oligonucleotides Separation Science and Hyphenated Techniques

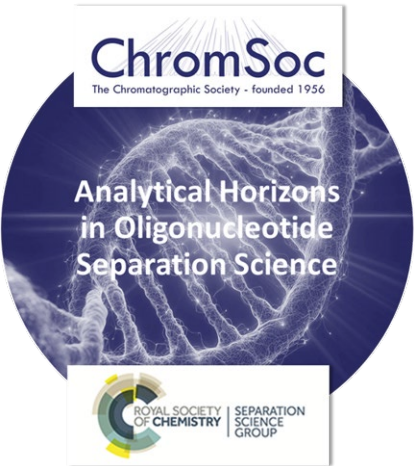
- 10:30 - 10:40 AM :Opening Remarks: Adrian Clarke
- 10:40 - 11:10 AM :Keynote Speaker: Nigel Richardson, CatSci, UK - *Pharmaceutical CMC using Separation Science and MS*
- 11:10 - 11:40 AM : Keynote Speaker: Prof Mark Dickman, University of Sheffield, UK- *HPLC Analysis of Nucleic Acids: Challenges and Opportunities*
- 11:40 - 12:10 PM :Keynote Speaker: Sarah Carrillo, NIBRT, Ireland - *Forced Degradation Studies and ASO/siRNA Quantification*
- 12:10 - 12:40 PM :Speaker: Rachelle Black, AstraZeneca, UK - *Chromatographic Method Development for Analysis of Deamination Impurities*
- 12:40 - 2:00 PM :Lunch, Exhibition, and Poster Viewing

Session 2: Novel Formats and Technologies

- 2:00 - 2:30 PM :Keynote Speaker: Michael Laemmerhofer, University of Tübingen, Germany -*Multidimensional Chromatography Applied to Oligonucleotides and Diastereomers*
- 2:30 - 3:00 PM :Speaker: Ken Cook, Thermo UK - *Lessons Learned and Practical Considerations for Green ASO RNA Analysis and Data Handling*
- 3:00 - 3:30 PM :Speaker: Daniel Esser, YMC - *Ways to Prevent Ion-Pairing in LC-MS Analysis of Oligonucleotides*
- 3:30 - 4:00 PM :Tea Break and Poster Viewing

Session 3: Novel Formats and Technologies Continued

- 4:00 - 4:30 PM :Speaker: Shinnosuke Horie, Shimadzu Europe, Germany - *Oligonucleotide Impurity Analysis Using an Innovative SFC Approach*
- 4:30 - 4:50 PM :Speaker: Andrea Krumm, TOSOH, Germany - *Oligonucleotides & Chromatography – What's New?*
- 4:50 - 5:10 PM :Speaker: Sam Whitmarsh, CatSci UK - *Analysis of Oligo Process-Related Impurities and Water Using GC-VUV*
- 5:10 - 5:30 PM :Speaker: TBC
- 5:30 - 7:00 PM: Networking Event & Poster Viewing



Day Two – 8th May

- 9:00 - 9:30 AM: Posters and Coffee

Session 4: General Advances in Analytical Strategies

- 9:30 - 10:00 AM : Keynote Speaker: Szabolcs Fekete, Waters/University of Geneva, Switzerland - *Oligonucleotide Analysis Reimagined: Innovative LC Techniques*
- 10:00 - 10:30 AM : Speaker: Imogen Howard, AstraZeneca, UK - *From Synthesis to Compliance: Analytical and Regulatory Considerations Across Oligonucleotide Manufacturing Processes*
- 10:30 - 11:00 AM :Speaker: Anthony Ehkirch, Novartis, Switzerland - *LC-based Methodologies for the Analysis of GalNAc and Fatty Acid siRNA Conjugates and Diastereomer Profiling*
- 11:00 - 11:30 AM: Tea Break and Poster Viewing

Session 5: Recent Developments in mRNA and ASO Analytics

- 11:30 - 12:00 PM :Keynote Speaker: Alex Goyon, Genentech, US - *A Unified, Online Platform to Determine Multiple mRNA Quality Attributes*
- 12:00 - 12:30 PM : Speaker: Emma Welbourne, University of Sheffield, UK - *Mass Spectrometry-Based Sequence Mapping for mRNA Vaccines and Therapeutics*
- 12:30 - 1:00 PM :Speaker: Chung-Yao Wang, GSK, UK - *Development and Assessment of Liquid Chromatography to Evaluate the Diastereomeric Profile of a 20mer Antisense Oligonucleotide*
- 1:00 - 2:30 PM: Lunch, Exhibition, and Posters ([including the Chromatography Society AGM](#))

Session 6: Further Advances and Sustainability

- 2:30 - 3:00 PM :Speaker: Jan Groels, Novartis, Switzerland - *Digital Tools for Enhanced Efficiency in Oligonucleotide Analytics*
- 3:00 - 3:20 PM :Speaker: Richard Blankley, Agilent, UK – *2D-LC analysis of oligonucleotides*
- 3:20 - 3:50 PM :Keynote Speaker: Paul Ferguson, AstraZeneca, UK - *Sustainability Considerations in the Development of Oligonucleotide Chromatographic Methods*
- 3:50 - 4:00 PM :Closing Remarks and Future Meetings