

Innovation in Oligonucleotide Manufacturing Symposium

Medicines Manufacturing Innovation Centre, Glasgow, PA3 2EF

29 April 2025

Time	Details
8:30	Registration
9:15	Event welcome - Barrie Cassey , Technology Lead, Medicines Manufacturing Innovation Centre, CPI.
The future of manufacturing technology	
9:30	New Chemistry for Oligonucleotide Therapeutics - Tom Brown , Senior Emeritus Professor of Nucleic Acid Chemistry, University of Oxford.
10:00	A new toolbox of options for advancing oligonucleotide production - Carina Strandh , Senior Global Product Manager, Cytiva.
10:25	A Platform Approach to Enzymatic Oligonucleotide assembly and purification - Chris McKay , Scientific Leader, GSK.
10:50	Coffee break
The future of analytical and process development	
11:20	Mastering QC LC-MS in GMP Labs - Richard Blankley , Biopharma Application Specialist, Agilent.
11:45	Acceleration of oligonucleotide process development via machine learning - Giacomo Padroni , Senior Chemist, CPI, and Charlie Phillips , Machine Learning Specialist, Intellegens.
12:10	Optimisation of Oligonucleotide Processes Using In-Line PAT - Emily Robinson , Senior Process Engineer, AstraZeneca.
12:35	Panel discussion - Fast forward to the future: how can we industrialise these technologies now.
13:00	Lunch
The next wave of oligonucleotide therapeutics	
14:00	Novel linker chemistry for oligonucleotide conjugation - Sritama Bose , Head of Chemistry Research and Innovation, NATA.
14:25	The Application of Nucleic Acid Therapeutics for Rare Diseases: the current status and future perspectives - Haiyan Zhou , Professor of Genetic Medicine, UCL.
14:50	Expanding the aperture of therapeutic oligonucleotide modifications - Glenn Burley , Professor of Chemical Biology, University of Strathclyde.
15:15	Coffee break
15:30	Panel discussion - The next wave challenge - what do we need to implement to bring through new types of oligo therapeutics.
16:00	Closing remarks - Claire MacLeod , CPI.
16:15	Close, networking and leave.