

Schedule for the 22nd RSC Nucleic Acids Forum | 10 July 2026

09:20–10:15 Registration and coffee

10:15–10:30 Welcome from Michael Booth / introduction from Jack Hardwick

Session 1 | Chair: David Rusling

10:30–10:50 Sebastian Golojuch (Oxford): '*In vitro* transcription priming enables enhancement and functional probing of cap-independently translated mRNAs'

10:50–11:10 Fayanne Nolin (Trinity College Dublin): 'A multitargeting strategy for the development of oligonucleotide SNM1A probes'

11:10–11:30 Christine Rodger (Oxford Nanopore Technologies): 'Profiling phosphorothioate stereochemistry in 2'-O-methyl RNA using Oxford Nanopore sequencing'

11:30–11:50 Fergus McWhinnie (Strathclyde): 'Overcoming delivery barriers in oligonucleotide therapeutics using advanced delivery peptides'

Careers event sponsored by Glen Research Chairs: Victoria Kamperi & Ina Bradic

11:50–12:35 Panel discussion with **Anna Dysko** (Oxford Nanopore Technologies), **Tim Craggs** (CEO & Founder, Exciting Instruments), and **Matthew Barnbrook** (Royal Society)

12:35–13:35 Lunch and posters (13:05–13:20 even, 13:20–13:35 odd)

Session 2 | Chair: Angelica Mariani

13:35–13:55 Najma Parveen (York): 'From protein priming to peptide priming with DNA polymerases'

13:55–14:15 Chelsea Dack (UCL): 'Programmable and dynamic DNA localisation at synthetic cell membranes'

14:15–14:35 Muhammad Ghufuran Rafique (Cambridge): 'DNA sequence as "genetic" information in DNA nanostructure assembly'

14:35–15:35 Poster session, sponsored by WuXi AppTec (14:35–15:05 even, 15:05–15:35 odd)

Session 3 | Chair: Michael Booth

15:35–15:55 Michael Brazzill (Portsmouth): 'Recognition of non-standard base pairs by triplex-forming oligonucleotides containing an expanded genetic alphabet'

15:55–16:15 Krzysztof Herka (Cambridge): 'Exploring G-quadruplex roles in cis-regulatory elements'

16:15–16:35 Naura Antarksa (Imperial): 'Recognition of multimolecular G-quadruplex regulates phase separation of Cockayne syndrome B'

16:35–16:55 Matthew Newton (Sheffield): 'Shelterin tethers distal telomeric DNA to initiate T-loop formation'

16:55–17:00 Announcement of the **ChemGenes Early Career Oral Presentation Prize** winner and **Merck & RSC Chemical Biology Poster Prize** winners, followed by closing remarks.

17:00–18:00 Wine reception and networking, sponsored by Oxford Nanopore Technologies