The 11th Nucleic Acids Forum


Morning

9.15 – 10.00 am Registration (Library Annexe) with tea/coffee and poster set-up (Science Room).

10.00 – 11.10 Session 1 (Library) – Chair: Glenn Burley
Welcome message from the Nucleic Acids Group – David Lilley
James Hall (University of Reading) Base-specific Guanine Oxidation in the Crystalline State
Vivik Sharma (University of Delhi) Chemo-enzymatic route to locked- & C-4'-spiro-ribonucleosides
Yiliang Ding (John Innes Centre) In vivo RNA structure profiling: A transformative platform reveals a new way to regulate gene expression

11.10 – 11.40 Coffee break (Library Annexe) and poster set-up (Science Room)

11.40 – 13.00 Session 2 – Chair: John Brazier
Fiona Flett (University of Edinburgh) Mapping dynamic interactions of the DNA repair enzyme Tdp1 with its DNA substrate by site-specific protein-DNA UV cross-linking and mass spectrometry
Hannah Pendergraff (University of Southampton) Single-stranded siRNAs: the best of both worlds?
Marco Di Antonio (University of Cambridge) DNA G-quadruplex structures: biological relevance, genomic prevalence and therapeutic opportunities
Yijin Liu (University of Dundee) X-ray crystal structure of a eukaryotic GEN1 Holliday junction-resolving enzyme bound to DNA

Afternoon

13.00 – 14.45 Buffet Lunch and Main Poster session (Fish and Science rooms)

14.45 – 15.45 Session 3 - Chair: Janice Aldrich-Wright
Pietro Marafini (University of Oxford) Stabilisation of dsDNA by pyrene containing nucleobase analogues
Julia Kenyon (University of Cambridge) A novel combined RNA-protein interaction analysis distinguishes HIV-1 Gag protein binding sites involved in genomic RNA encapsidation from associated RNA structural change in the viral RNA leader
Tim Craggs (University of Oxford) How Structure-specific DNA-binding proteins recognise their substrates

15.45 – 16.15 Coffee break and posters (Fish room)

16.15 – 17.15 Session 4 – Chair: David Lilley
Thomas Carell (Ludwig-Maximilians-Universität München) The Gait Lecture: DNA Bases Beyond Watson and Crick
Award of Prizes

17.15 – 18.30 Wine Reception (Fish and Science rooms)