

Readers, writers and erasers

24 – 25 May 2017

Organised by Professor A. Ganesan, Professor Marianne Rots, Dr Paola B. Arimondo and Dr Akane Kawamura

DAY 1			
SESSION 1 Chair: Lucia Altucci		SESSION 2	
09.00	Welcome by the Royal Society and A. Ganesan	Chair: Akane Kawamura	
09.05	Saulius Klimasauskas Catalytic plasticity of DNA methyltransferases: can writers be erasers?	13.30	A. Ganesan Targeting the lysine specific demethylase LSD1
09.30	Discussion	14.00	Discussion
09.45	Gianluca Sbardella Sympathy for the methyl: a 'library-on-library' screening approach to identify small-molecule ligands of methyl-lysine reader proteins	14.15	Panagis Filippakopoulos Targeting transcriptional programmes through disruption of BET complexes
10.15	Discussion	14.45	Discussion
10.30	Coffee	15.00	Tea
11.00	Akane Kawamura Development of cyclic peptide inhibitors against KDM4 JmjC histone demethylases	15.30	Nathaniel I. Martin Transition state mimics as PRMT inhibitors and tools for structural studies
11.30	Discussion	16.00	Discussion
11.45	Manfred Jung Chemical epigenetics - inhibitors of methyl lysine readers and sirtuin deacylases	16.15	Selected short presentations
12.15	Discussion		
12.30	LUNCH	17.15	Poster session
		18.15	CLOSE

DAY 2			
SESSION 3		SESSION 4	
Chair: Paola Arimondo		Chair: A. Ganesan	
09.00	Bozena Kaminska Epigenetic dysfunctions in cancer: a cause or a consequence?	13.40	Jose-Rubén Tormo Induction of new fungal natural products by epigenetic modifiers: a systematic approach
09.30	Discussion	14.10	Discussion
09.45	Carmen Jerónimo Epigenetic biomarkers	14.25	Clarissa Gerhäuser Dietary microbial metabolites as epigenetic modulators in health and disease
10.15	Discussion	14.55	Discussion
10.30	Coffee	15.10	Tea
11.10	Lucia Altucci Epigenome approaches for identification of treatment resistance in cancer	15.50	Selected short presentations
11.40	Discussion		
11.55	Maria Tellez-Plaza Environmental epigenetics of metals and cardiovascular disease: a population-based perspective	16.30	Concluding remarks
12.25	Discussion		
12.40	LUNCH	17.00	CLOSE

Draft programme – correct as of 11 May 2017 – subject to change