8.30-8.50 Registration (foyer of the Essex Business School)
8.50-9.00 Welcome
9.00-9.15 Darren Taylor (Miguel Branco Lab, QMUL).
   A novel approach to epigenomic profiling of repetitive elements at the single copy level
9.15-9.30 Graeme Birdsey (Imperial College London)
   The transcription factor ERG regulates super-enhancers associated with an endothelial-specific gene expression program
9.30-10.45 Sankari Nagarajan (Jason Carroll Lab, CRUK Cambridge)
   Epigenetic regulation of breast cancer treatment response by a chromatin remodelling complex protein ARID1A
9.45-10.00 Antonio Marco (University of Essex)
   The evolution of cancer microRNAs is driven by regulatory network constraints
10.00-10.25 Lars Jansen (University of Oxford)
   Chromatin-based epigenetic inheritance: Lessons from the mammalian centromere
10.25-10.50 Coffee break and poster viewing (foyer of the Essex Business School)
10.50-11.30 Keynote talk: Julie Ahringer (Gurdon Institute, Cambridge)
   Genome architecture and regulation
11.30-11.45 Gi Fay Mok (Andrea Münsterberg Lab, University of East Anglia)
   Characterizing the dynamic epigenome-transcriptome landscape that controls formation of the vertebrate body axis
11.45-12.00 Sara Lopez-Gomollón (David Baulcombe Lab, Uni of Cambridge)
   Genome-wide analysis of sRNAs and DNA methylation as regulators of transgressive phenotypes in plants
12.00-12.15 **Abdulkadir Abakir** (Alexey Ruzov Lab, University of Nottingham)

*N6-methyladenosine regulates the stability of RNA:DNA hybrids in the chromatin of human cells.*

12.15-13.25 Lunch and poster viewing (foyer of the Essex Business School)

13.25-13.50 **Nick Gilbert** (MRC IGMM, Edinburgh)

*Regulation of large-scale chromatin architecture in human cells*

13.50-14.05 **Javier Antunez-Sanchez** (Jose Gutierrez-Marcos Lab, Uni of Warwick)

*Novel components involved in heterochromatin formation in plants*

14.05-14.20 **Rachel Fellows** (Patrick Varga-Weisz Lab, Babraham Institute, University of Cambridge & University of Essex)

*Histone crotonylation links gene expression to the microbiome in the colon*

14.20-14.35 **Chris Clarkson** (Vlad Teif lab, University of Essex)

*The DNA sequence-dependent strength of CTCF binding determines asymmetric chromatin boundaries*

14.35-14.50 **Effie Kostareli** (Queen's University of Belfast)

*Ibrutinib affects epigenome in Chronic Lymphocytic Leukaemia*

15.05-15.30 Coffee break and poster viewing (foyer of the Essex Business School)

15.30-15.55 **Sara Buonomo** (University of Edinburgh)

*Uncoupling nuclear architecture and replication timing*

15.55-16.10 **Nicolaie Radu Zabet** (University of Essex)

*Dissecting the mechanisms that control Topologically Associated Domains in Drosophila*

16.10-16.25 **Tyler Gorrie-Stone** (Leo Schalkwyk Lab, University of Essex)

*Tools for the new generation of EWAS*

16.25-16.40 **Martina Rimoldi** (Paul Flicek Lab, EMBL-EBI)

*Co-evolution of transcription factor binding and DNA methylation in mammals*

16.40-16.55 **Mikhail Spivakov** (Imperial College London)

*The role of architectural proteins in facilitating enhancer-promoter contacts*

16.55-17.00 Closing remarks