

Chromatin Structure and Function 2018

	Tuesday 30/10/2017	Wednesday 31/10/2017	Thursday 01/11/2017	Friday 02/11/2017	Saturday 03/11/2017	Sunday 04/11/2017	Monday 05/11/2017	Tuesday 06/11/2017	Wednesday 07/11/2017	Thursday 08/11/2017	Friday 09/11/2017
07:30		Breakfast Restaurant	Breakfast Restaurant	Breakfast Restaurant	Breakfast Restaurant		Breakfast Restaurant	Breakfast Restaurant	Breakfast Restaurant	Breakfast Restaurant	Breakfast Restaurant
08:00						Breakfast Restaurant					
08:30		DNA Methylation lecture	MethylCapture-Seq: capture 2	ChIP: Lecture Introduction to expt.	MethylCapture-Seq: amplify library		ChIP: DNA clean up	Re-amplify Capture	qPCR Capture-C efficiency	FISH:analysis	Checkout
09:00		MethylCapture-Seq: frag. clean up + end repair		ChIP: cross-linking chromatin	MethylCapture-Seq: Clean up	3C: qPCR		FISH: Lecture	FISH:Mount slides		
09:30		Coffee	Coffee	Coffee	Precipitate 3C DNA		ChIP: q-PCR				
10:00			MethylCapture-Seq: second elution / BSC	ChIP: sonication	Quantify 3C DNA	MethylCapture-Seq: probe design					
10:30		MethylCapture-Seq: end repair ctd. + adenylate	3C: lecture	ChIP: pre-clear setup	ATAC: MinElute cleanup and qPCR QC set up	ChIP: washes & elutions	Set up seq-capture hyb	FISH:Setup	Informatics: ChIP-seq analysis	Informatics: 3C capture analysis	
11:00		ATAC: lecture	Seminar Speaker TBA	3C: ligation	Seminar Next Generation Sequencing Illumina	reversal of cross-linking	ChIP: Tape Station		Seminar Ensembl	Seminar Speaker TBA	
11:30		MethylCapture-Seq: ligation					Seminar Speaker TBA	Seminar Speaker TBA	WTAC IT Room		
12:00		MethylCapture-Seq: clean up	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
12:30			Q & A with Seminar Speaker	Q & A with Seminar Speaker	Q & A with Illumina	Lunch	Q & A with Seminar Speaker	Q & A with Seminar Speaker	Q & A with Seminar Speaker	Q & A with Seminar Speaker	Q & A with Seminar Speaker
13:00	Registration	Lunch									
13:30		MethylCapture-Seq: probe hybridisation	Informatics: Basic UNIX skills	Informatics: Basic UNIX skills	Informatics: Sequence mapping	Informatics: Sequence mapping	Informatics: Methyl capture (Cap-Me-seq) analysis	Informatics: ChIP-seq analysis	FISH:imaging	Informatics: 3C capture analysis	
14:00	WTAC/Instructors Introduction	ATAC: Nuclei prep & Transposase set-up and run									
14:30		MethylCapture-Seq: capture 1	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	
15:00											
15:30		MethylCapture-Seq: capture 1 ctd.	MethylCapture-Seq: BSC clean up								
16:00	Participant presentations	MethylCapture-Seq: capture 1 ctd. probe hybridization 2	3C: Lyse cells	ATAC: library PCR set-up	3C: Tape Station						
16:30			RE digestion	ChIP: Ab set-up	ChIP: immuno-precipitation	ATAC summary: results questions	MethylCapture-Seq: summary results questions	ChIP summary: q-PCR results, questions	Chris Brackley: Lecture 3C analysis	3C/capture C/FISH summary: q-PCR results, questions	Wrap-up
17:00											
17:30	Wellcome Drinks	ATAC: MinElute cleanup and qPCR set up									WTAC IT Room
18:00											
18:30	Dinner Restaurant	Dinner	Dinner	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Drinks Hall Bar
19:00											
19:30											
20:00		Participant poster session II	Participant poster session II		Ickleton Lion						Course Dinner Restaurant
20:30											
21:00											
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