

WTAC Chromatin Structure and Function 31 October - 9 November 2016											
	Sunday 29/10/2017	Monday 30/10/2017	Tuesday 31/10/2017	Wednesday 01/11/2017	Thursday 02/11/2017	Friday 03/11/2017	Saturday 04/11/2017	Sunday 05/11/2017	Monday 06/11/2017	Tuesday 07/11/2017	Wednesday 08/11/2017
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		Participant presentations (3 slides max) (5 min talk plus 3 min questions)	3C: lecture Introduction to expt.	ChIP: Lecture Introduction to expt.	NGS library construction: Lecture	RRBS: Bisulfite conversion clean-up	ChIP: DNA clean up		qPCR Capture-C efficiency	FISH:analysis	Checkout
09:00			RRBS: End-Repair and A-tailing	ChIP: cross-linking chromatin	Precipitate 3C DNA	RRBS: PCR set-up	ChIP: q-PCR	FISH: Lecture	FISH:Mount slides	3C/capture C/FISH summary: q-PCR results, questions	
09:30		Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	
10:00			RRBS: Tape station to check MspI digestion	ChIP: sonication	Quantify 3C DNA	3C: Gel imaging	Set up seq-capture hyb	Re-amplify Capture	Informatics: ChIP-seq analysis	Informatics: 3C capture analysis	
10:30			RRBS: End-Repair and A-tailing clean- up	ChIP: pre-clear setup	RRBS: Bisulfite conversion set-up	RRBS: PCR clean-up and qPCR set-up	ATAC summary: results questions	FISH:Setup			
11:00		ATAC: lecture	RRBS: Adapter ligation	3C: ligation			RRBS summary: results questions		Seminar Ensembl WTAC IT Room	Keynote Seminar	
11:30		ATAC: Nuclei prep & Transposase set- up and run	Seminar	Seminar	Seminar	Seminar					
12:00		Lunch	Lunch round table discussion with speaker	Lunch round table discussion with speaker	Lunch round table discussion with speaker	Lunch round table discussion with speaker	Lunch	Lunch	Lunch round table discussion with speaker	Lunch round table discussion with speaker	
12:30		C3-02	C3-02	C3-02	C3-02	C3-02	C3-02	C3-02	C3-02	C3-02	
13:00		ATAC: MinElute cleanup and qPCR set up	Informatics: Basic UNIX skills	Informatics: Basic UNIX skills	Informatics: Sequence mapping	Informatics: Sequence mapping	Informatics: RRBS analysis	Informatics: ChIP-seq analysis	Informatics: Visualisation tools	Informatics: 3C capture analysis	
13:30		RRBS: lecture									
14:00											
14:30											
15:00											
15:30											
16:00	Registration	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	Coffee	
16:30		ATAC: library PCR set-up	3C: Fix cells							Breakout sessions	
17:00		MspI digest	3C: Lyse cells	RRBS: Size selection	3C: Gel Electrophoresis	ChIP: washes & elutions	Chris Brackley: Lecture 3C analysis	ChIP summary: q-PCR results, questions	FISH:imaging	Wrap-up	
17:30	WTAC/Instructors Introduction	ATAC: MinElute cleanup			3C: qPCR	reversal of cross-linking				WTAC IT Room	
18:00	Wellcome Drinks	ATAC: qPCR set-up	3C: RE digestion	ChIP: Ab set-up	ChIP: immuno-precipitation						
18:30											
19:00	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Dinner Restaurant	Course Dinner Restaurant	
19:30											
20:00			Participant poster session to include (cheese and wine)		Genome Campus Fireworks		Pub night: Ickleton Lion		FISH:imaging		
20:30											
21:00											
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