	wellcome connecting science	CRISPR: Genome Informatics and Computational Design and Analysis				welcome Sanger UNIVERSITY OF WESTMINSTER	
	Time	Monday 7 October	Tuesday 8 October	Wednesday 9 October	Thursday 10 October	Friday 11 October	Time
	08:45 - 09:00	Join Call	Join Call	Join Call	Join Call	Join Call	08:45 - 09:00
	<b>09:00</b> - 09:15	Course Introduction session - WCS + TT	Daily recap (revisit your learning)	Daily recap (revisit your learning)	Daily recap (revisit your learning)		09:15 - 09:30
	09:15 -09:30					Project Intro Matt and Kalpana	
	<b>09:30</b> - 09:45		Genome engineering workflows and Cellular Models - Kalpana Surendranath	Lecture: Matt applications of Base editing and prime editing	Lecture: Dr. Saroor Patel. CRISPR screening approaches and applications		<b>09:30</b> - 10:00
	09:45 - 10:00	Participants Introduction - form groups					
	<b>10:00</b> - 10:15					Group Work Time	<b>10:00</b> - 10:30
	10:15 - 10:30						
PRECOURSE ON LMS - Bioinformatics 1: Introduction to Linux (5 hours)	<b>10:30</b> - 10:45	Break	Break	Break	Break	Break	<b>10:30</b> - 11:00
	10:45 - 11:00	Dieak	Dieak	Dieak	Dieak	Dieak	
	<b>11:00</b> - 11:15	Lecture: Introduction to the CRISPR toolbox					<b>11:00</b> - 11:30
	11:15 - 11:30						
	<b>11:30</b> - 11:45	- Andrew Bassett		1h30 Practical / Lecture Demo	1h30 Practical - MAGeCK		<b>11:30</b> - 12:00
	11:45 - 12:00	Lecture Guided Computational Practical: Genes and Genomes - Masue Marbiah	Case studies of knock outs- Munuse Savash	Base editing Guide RNA design - Cansu	Screening analysis - Jamie	Group Work Time	
	<b>12:00</b> - 12:15						<b>12:00</b> - 12:30
	12:15 - 12:30						
	<b>12:30</b> - 12:45		Dractical Craws Cr	Dractical Crayer On A	Proctical Croup On A		<b>12:30</b> - 13:00
	12:45 - 13:00		Practical Group QnA	Practical Group QnA	Practical Group QnA		
	<b>13:00</b> - 13:15						<b>13:00</b> - 13:30
	13:15 - 13:30	Lunch	Lunch	Lunch	Lunch	Lunch	
	<b>13:30</b> - 13:45						<b>13:30</b> - 14:00
	13:45 - 14:00						
oinf	<b>14:00</b> - 14:15						<b>14:00</b> - 14:30
Bic	14:15 - 14:30	Seminar Francisco J. Sánchez-Rivera Prime editing	Practical CRISPResso and Validation of gene-edited models Khalid Akram & Ekam Kaur	SNV and knock-in validation (Sanger sequencing - TIDE) Sandeep	Seminar Emanuel Gonçalves Knockout screening	10 min presentation/group and 5min QA	
	<b>14:30</b> - 14:45						<b>14:30</b> - 15:00
	14:45 - 15:00						
	<b>15:00</b> - 15:15	Refresher Quiz - Matt and Masue	Refresher Quiz - Kalpana and Munuse	Refresher Quiz - Cansu and Sandeep	Refresher Quiz - Jamie		<b>15:00</b> - 15:30
	15:15 - 15:30						
	<b>15:30</b> - 15:45	Practical Group QnA and wrap- up	Project question session	Project question session	Project question session	Wrap up + Feedback	<b>15:30</b> - 16:00
	15:45 - 16:00						
		Monday 7 October	Tuesday 8 October	Wednesday 9 October	Thursday 10 October	Friday 11 October	