

Long-read, long-reach sequencing workshop | 11–15 November 2019 | Australian National University, Canberra

				Talk	Hands on
	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Welcome to country and introduction	Circulomics Talk	Set up of Nanopore sequencing. Two preps per group.	Ins and outs of HiC data (Sebastian Kurscheid)	Long read data analysis
9:30	Intro Talk (John Tyson)	Claremont Biosolutions Talk		Ins and outs of HiC data (Sebastian Kurscheid)	
10:00		DNA extraction and QC continued - circulomics and blue pippen		Phase Genomic HiC Talk	
10:30	Break and find your groups		Break as needed	Break as needed and reload.	Break as needed and reload.
11:00	DNA extraction in groups	Break and trade display	Set up of Nanopore sequencing. Two preps per group.	Ins and outs of HiC data (Sebastian Kurscheid)	Long read data analysis hands on tutorial
11:30				Intro to data analysis (Tim Kahlke)	Own data QC and analysis in groups
12:00				Long read data analysis setup	
12:30			Break as needed	Break as needed	Report back of each group.
13:00	Break as needed	Break as needed			Break as needed
13:30			Theory of genome assembly (Mikhail Kolmogorov)	Long read data analysis hands on tutorial	Science Talks 20 mins each
14:00		PacBio Talk			Science Talks 20 mins each
14:30		Nanopore Talk	Check on runs		Science Talks 20 mins each
15:00		Break	Demultiplexing, read length QC, long-read cDNA (David Eccles)	Break as needed	Science Talks 20 mins each Break
15:30		Intro to nanopore & how to optimize sequencing runs (Stella Losek)		Long read data analysis hands on tutorial	Science Talks 20 mins each
16:00			Break		Science Talks 20 mins each
16:30		Feedback round on DNA extraction	Flow cell flush and reload of second library		Science Talks 20 mins each Wrap up
17:00	Years of experience DNA prep talk (Olga Vinnere Pettersson)	Prep for Nanopore sequencing next day		Long read DNA modification (Chloe Goldsmith)	Social
17:30		Run PFGE	Social	Long read DNA modification (Chloe Goldsmith)	Social
18:00			Social	Set up of basecalling on NCI over night	Social
18:30			Dinner talk: Long read RNA and RNA modification (Eva Maria Novoa Pardo)		Social
19:00			Social		