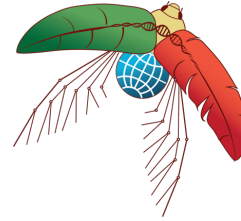


Long-read, long-reach sequencing workshop



Centre for
Biodiversity
Analysis

Workshop talks

Eucalyptus Seminar Room (open to everyone)

Title	Presenter	Day	Time AEDT
Old is new: maximizing read lengths and yield for genome assembly	John Tyson	11/11	9:30 AM
DNA quality requirements for Single-Molecule sequencing	Olga Vinnere Pettersson	11/11	5:00 PM
Modern kits for long-read DNA extraction	Circulomics	12/11	9:00 AM
Towards automation of high molecular weight DNA extraction	Claremont Biosolutions	12/11	9:30 AM
SMRT sequencing: Highly accurate and affordable long-read sequencing with PacBio Sequel II	PacBio	12/11	2:00 PM
Introduction to Nanopore Sequencing	Nanopore	12/11	2:30 PM
Optimizing Nanopore sequencing runs with challenging tissue types	Stella Losek	12/11	3:30 PM
Long-read assembly using repeat graphs	Mikhail Kolmogorov	13/11	2:00 PM
Mapping cDNA reads to transcriptomes and genomes	David Eccles	13/11	3:00 PM
Single base-pair RNA modification and its involvement in human disease	Eva Maria Novoa Pardo	13/11	6:30 PM
Overview of HiC applications in human genetics and genome assembly	Sebastian Kurscheid	14/11	9:00 AM
From Contigs to Chromosomes: Using proximity Ligation Data to Improve Genome and Metagenome Assembly	Phase Genomic HiC	14/11	10:00 AM
Introduction to data analysis	Tim Kahlke	14/11	11:30 AM
Long read landscapes of 5-methylcytosine in liver pathophysiology	Chloe Goldsmith	14/11	5:00 PM
Methplotlib: analysis of modified nucleotides from nanopore sequencing	Wouter De Coster	14/11	5:30 PM
Short science talks on long-read, long-range sample preps and application in genomics			
For reproducibility, we need the methods behind the data.	Lenny Teytelman	15/11	1:30 PM
Application of long read sequencing technologies to understand the evolution of fungal rust pathogensA	Figueroa, Melania	15/11	1:45 PM
The chromosome-scale assembly of the flax rust fungus: challenges of assembling a highly repetitive, dikaryotic genome	Jana Sperschneider	15/11	2:00 PM
Complete genomes give new insight into old stories of horizontal gene transfer	Megan McDonald	15/11	2:15 PM
Genome assembly from a single Argentine stem weevil	Tom Hardop	15/11	2:30 PM
Long read Structure variants of plant genomes.	Scott Ferguson	15/11	2:45 PM
Strategies for assembling a massive spider genome	Sasha Mikheyev	15/11	3:15 PM
The Wolpertinger Genome – Genome Contaminations in publicly available Genome Assemblies	Tim Kahlke	15/11	3:30 PM
Phased methylomes resolve genomic imprinting in mice	Quentin Gouil	15/11	3:45 PM
Adventures in RNA and cDNA sequencing with Nanopore	Kirston Barton	15/11	4:00 PM
Things can only get better now...	Elena Hilario	15/11	4:15 PM