

Introduction to Long-Read Sequencing and Bioinformatic Analysis for Bacterial Pathogens Workshop

11th to 16th February 2026

Workshop Schedule.

For participants joining the **Lecture** sessions remotely, please use the following zoom link.

Join from PC, Mac, iOS or Android: <https://unimelb.zoom.us/j/84078745303?pwd=JlG7X57vbG6HbWdoI2dXnbBs19WKjf.1> Password: 052674

Time	Activity
Wednesday 11th February	
8:45 – 9:00	Participants arrive.
9:00 – 9:30	Introductions & orientation; Review workshop program
9:30 – 10:30	Lecture: Bacterial WGS using the ONT platform <i>See Zoom link above to join online.</i>
10:30 – 11:00	Tea break
11:00 – 11:30	Lecture: Run planning; Preparing extractions and sequencing workbooks <i>See Zoom link above to join online.</i>
11:30 – 12:30	Lab: Bacterial lysis activity
12:30 – 1:30	Lunch
1:30 – 3:00	Lab: DNA extraction activity (using Monarch kits)
3:00 – 3:30	Tea break
3:30 – 4:00	Lab: DNA quantification activity
4:00 – 5:00	Lecture: Updating extraction and sequencing workbooks <i>See Zoom link above to join online.</i>

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Time	Activity
Thursday 12th February	
8:45 – 9:00	Participants arrive.
9:00 – 10:30	Lab: Prepare ONT libraries
10:30 – 11:00	Tea break
11:00 – 12:30	Lab: Load ONT libraries
12:30 – 1:30	Lunch
1:30 – 3:00	Lab: Assess ONT libraries
3:00 – 3:30	Tea break
3:30 – 5:00	Lecture: Introduction to sequence data quality control and bioinformatic analysis <i>See Zoom link above to join online.</i>

Time	Activity
Friday 13th February	
8:45 – 9:00	Participants arrive.
9:00 – 10:30	Lab: Prepare ONT libraries
10:30 – 11:00	Tea break
11:00 – 12:30	Lab: Load ONT libraries
12:30 – 1:30	Lunch
1:30 – 3:00	Lab: Assess ONT libraries

Time	Activity
Sunday 15th February	
9:00 – 3:00	**Optional workshop day** Participants are welcome to join trainers for an extra day of ONT library preparation, loading and assessment. <i>This workshop day is optional. No new material will be taught.</i>

Introduction to Long-Read Sequencing and Bioinformatic Analysis for Bacterial Pathogens Workshop continued

Time	Activity
<i>Monday 16th February</i>	
8:45 – 9:00	Participants arrive.
9:00 – 9:30	Lecture: How to use the ONT QC script & review data <i>See Zoom link above to join online.</i>
10:30 – 11:00	Tea break
11:00 – 12:30	Data analysis: Use Galaxy & the CPG Portal to analyse data
12:30 – 1:30	Lunch
1:30 – 3:00	Data analysis: Use Galaxy & the CPG Portal to analyse data
3:00 – 3:30	Tea break
3:30 – 4:00	Data analysis: Use Galaxy & the CPG Portal to analyse data
4:00 – 5:00	End of workshop review & presentation of certificates