

FABI FUNGAL GENOME FIRST WITH A MINION

The first 'in-house' fungal genome has been sequenced in FABI using Oxford NanoPore sequencing technology. This is a step towards fungal biologists being able to sequence the genomes of the fungi they work on for approximately US\$1000 while in the comfort of their own laboratory. Drs Tuan Doung, Alistair McTaggart and Prof. Brenda Wingfield have tested a MinION to sequence the genome of an important pathogen of sweet potato with some promising results. The genomes of several plant-pathogenic fungi in South Africa will now be sequenced in collaboration with other FABIans and members of the DST-NRF Centre of Excellence in Tree Health Biotechnology (CTHB).



Dr Tuan Doung loads the first sample of genomic DNA run on the MinION at FABI.