

2013 FUND A NEED

Ion Torrent Sequencer

DNA sequencing technologies have been available for researchers for many years, but because of the high cost for the large pieces of equipment, most labs have not been able to justify such a purchase. However, Life Technologies' Ion Torrent Sequencer provides DNA sequencing technology for a fraction of the cost in the size of a desktop computer. With this sequencer, the OSUCCC – James is improving treatments for cancer patients, potentially improving their clinical outcomes. Further, most sequencing machines available take approximately a week to process DNA samples. The Ion Torrent Sequencer produces results in as little as a few hours, allowing physicians and researchers at the OSUCCC – James to move more quickly with more effective treatment decisions.

