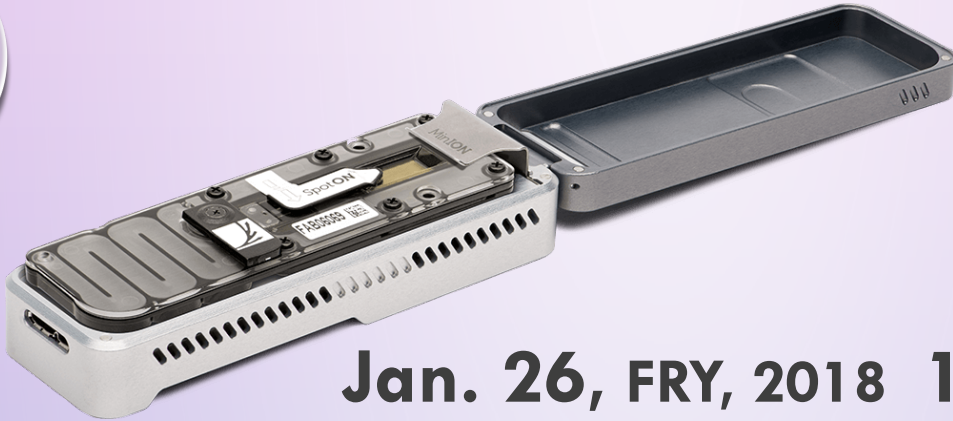


The latest updates for Nanopore Sequencers



Jan. 26, FRY, 2018 17:00-18:00

Venue: TMGH1F Main conference room

Language: English

Recently advance of single molecule ultra-long nanopore sequencing, it becomes possible to decipher long DNA fragment (~1Mbp), direct RNA sequencing and modification such as methylation. These technologies progress enables to reveal unknown biological phenomena. Oxford Nanopore Technologies Ltd. (ONT) has started selling the nanopore sequencer MinION for the first time in the world in 2015 and greatly improved its accuracy and throughput over 2016 to 2017.

Furthermore, to accommodate the needs of field sequences, automation of library preparation and lyophilization reagent are under development.

This seminar will cover the principle of nanopore sequencer and introduce ONT's latest technology updates was announced at the New York Community Meeting in November 30, 2017 to December 1, 2017.

Speaker : Mari Miyamoto, PhD

K.K. Oxford Nanopore Technologies



After graduating Biological Science department in Kitasato University, Mari Miyamoto experienced various positions in Biotech industries such as Bio-Rad, Microsoft, Rosetta Biosoftware, CLC bio, and QIAGEN. Currently, she works as a business and technical applications manager at K.K. Oxford Nanopore Technologies where she has helped set up a business and technical support team.

While working in such research areas as microarray data analysis, Dr. Miyamoto felt the need to study statistics, and while working, she attended The Graduate University for Advanced Studies and finished her PhD in Statistical Science at The Institute of Statistical Mathematics. Having a deep understanding of technology, she has been busily working behind the scenes trying to contribute to the development of science by promoting business.