SEQme
SEQ & QPCR COMPANY

Oxford Nanopore long reads

De Novo Assembly

6.–7. 11. 2019

08:30–17:00

Praque
Czech Republic

500 € without VAT

English

Seats available: 25

Join the Course

Oxford Nanopore technology provides a novel approach to DNA sequencing that yields long and label-free reads. It presents cost-effective and fast solution for various applications including **de novo whole genome sequencing of even complex genomes**. On the other hand, it differs from Illumina short-read sequencing technology and requires not only dedicated equipment and chemistry but also **specific software tools and algorithms** including basecallers, assemblers and post-assembly correction tools.

Various Oxford Nanopore specific tools and algorithms will be presented including but not limited to Miniasm and Canu assemblers, Racon correction tool and others. A detailed theoretical session always precedes a hands-on session.

Who should attend?

This workshop is for beginners as well as advanced users, life scientists and bioinformaticians interested in Oxford Nanopore long reads technology. No prior knowledge of sequences data analysis or specific programming skills are required.