



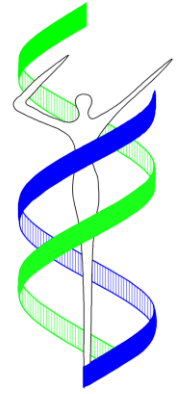
MGC PhD Course

Technology Facilities

Genomics and Transcriptomics

March 17, 2023

Erasmus MC, Room 73, Ee287



Organizers:

Dr. ir. W. van IJcken, Erasmus MC, Rotterdam

Dr. S. Kloet, LUMC, Leiden

09:00 - 09:30 **Mirjam van den Hout:** Introduction to short read NGS

09:30 - 10:00 **Susan Kloet:** PacBio Single molecule sequencing

10:00 - 10:30 **Bastian Hornung:** WaferGen iCell8: single cell RNA-Seq

10:30 - 10:50 coffee/tea break

10:50 - 11:20 **Yavuz Ariyurek:** 10X Genomics: single cell RNA-seq

11:20 - 11:50 **Bastian Hornung:** Expression profiling and analysis

12:00 - 13:00 lunch

13:00 - 13:30 **Wilfred van IJcken:** Oxford Nanopore sequencing

13:30 - 14:00 **Ruben Boers:** MeD-seq, genomewide DNA methylation

14:00 - 14:20 coffee/tea break

14:20 - 14:50 **Laura Heezen:** Spatial transcriptomics

14:50 - 15:20 **Susan Kloet:** LGTC and associated LUMC facilities

15:20 - 15:50 **Wilfred van IJcken:** Biomics & Future developments NGS