

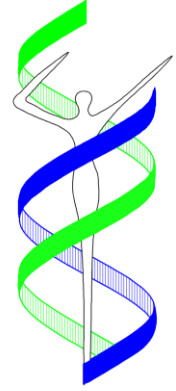
MGC PhD Course

## Technology Facilities

### Genomics and Transcriptomics

March 15, 2024

Lecture room J1-117, LUMC Building 1



#### 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 **Yavuz Ariyurek:** 10X Genomics: single cell RNA-seq

10:30 - 10:50 coffee/tea break

10:50 - 11:30 **Wilfred van IJcken** – Single-cell methods + benchmarking

11:30 - 12:00 **Natalia Escobar Salazar:** Spatial Transcriptomics

12:00 - 13:00 lunch

13:00 - 13:30 **Saskia Wilting:** MeD-seq, genome-wide DNA methylation

13:30 - 14:00 **Mirjam van den Hout:** Oxford Nanopore sequencing

14:00 - 14:20 coffee/tea break

14:20 - 14:50 **Linda Broer** – Arrays and analysis

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

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