NGS - quality control, alignment, visualisation

Group work

Two projects

- **Project 1:** Short-read RNA-seq data of *Arabidopsis thaliana* grown in space
- **Project 3:** Short-read RNA-seq of mice.

- **Aim:** Compare `hisat2` (splice-aware) with `bowtie2` (splice unaware)

Steps

- Go through all the steps performed in the course:
  - Quality control
  - Trimming
  - Alignment
  - Visualization
- But also:
  - Perform counting for estimating gene expression

Important

- Do not only **perform** the calculations, also to **evaluate** the results
- Be **reproducible**!!
- In the afternoon of day 3, all groups will give a **10 minute presention**