

DTU



Tech Talks

- Before DNA goes on the sequencer, you have different lab techniques to answer different questions ex:

Abbreviation	Full Name	What can you answer?
RNA-Seq	RNA sequencing	Which genes are expressed?
WES	whole exome sequencing	Characterize the exons in a genome
ChIP-seq	chromatin immunoprecipitation sequencing	where do proteins bind to DNA?

Tech Talks

- Divided into 6 groups
- Pick 1 type of technology for example:

RNA-Seq	ChIP-seq	FAIRE-Seq
DNase-seq	ATAC-seq	DamID
BS-Seq	scRNA-seq	CLIP-Seq
OS-Seq	RAD-Seq	SHAPE-Seq
WGS-seq	WES-seq	AncientDNA-Seq

- If you propose a technology that is not on the list, check with me

Tech Talks

- Each group will create a short presentation (~4 slides / ~5-6 mins) of their technology.
- The presentation should include:
 - What question does it answer?
 - How does it work?
 - Type of data produced
 - The bioinformatics processing
 - Strengths and weaknesses of this particular technology
 - What have we learned from this?
- Be creative!
- 1 hour today to chat
- 1 hour to chat again on Tuesday Jan 12th and presentation follows
- Write your names here in the Google Sheet on the wiki