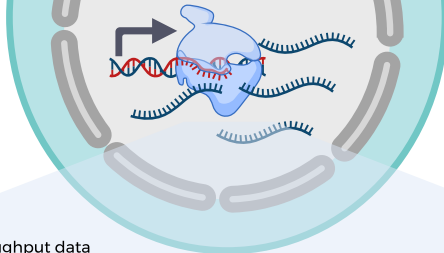


Gene expression

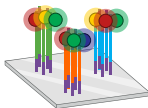


Technology for high-throughput data

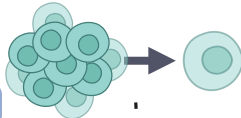
Microarrays



RNA-seq



scRNA-seq



long-seq

General pipeline

QC of raw data

Data normalization

QC of normalized data

QC of raw data

Read alignment

Gene and transcript quantification

specific considerations

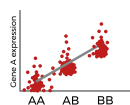
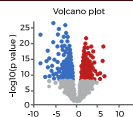
Analysis + knowledge

+ SNP information

Gene expression profiling

Splicing detection

eQTLs



Public databases -> Sharing data = Reproducibility + Replicability



NCBI

GEO

SRA

EMBL-EBI

ArrayExpress

ENA

EMBL-EBI

