TAKE HOME EXAM

- STATE GOAL OF YOUR STUDY
- SELECT DATASET FOR RNA-SEQ OR CHIP-SEQ or VARIANT ANALYSIS
- BUILD A WORKFLOW IN GALAXY
- GET IT UP & RUNNING WITH YOUR DATA
- COMPLETE BIOLOGICAL INTERPRATION for your DEGs or Variant Genes

- **PRESENT YOUR DATA and Reference to your Workflow (13.06.2025)**

- **SUBMIT YOUR REPORT in a short paper format including QUESTION-DATA-WORKFLOW-GALAXY SCREENSHOT- ENRICHMENT ANLAYSIS (20.06.2025)**

GOAL: Identify DEG in AD-like human iPSC

Human iPSC-derived cells relevant to AD
https://trace.ncbi.nlm.nih.gov/Traces/sra/?study=SRP191977

microglia day 22

- https://www.ncbi.nlm.nih.gov//biosample/SAMN11394786

Paired END DATA:

- **SRR8881934**
- **SRR8881935**

macrophage precursors day 22

- https://www.ncbi.nlm.nih.gov//biosample/SAMN11394782

Paired END DATA:

- SRR8881919
- SRR8881918