





# Closing remarks!

NBIS Omics Integration and Systems Biology workshop Fall 2024, Lund University













**National Bioinformatics Infrastructure Sweden (NBIS)** Science for Life Laboratory (SciLifeLab)









# Reusing material after the course



#### **Using Scilifelab serve**

- 2 weeks for all
- 4 weeks accounts associated with a Swedish university
- Potentially extendable if you need it (email/slack me)

#### **Run labs locally**

- Pull images (instruction on pre-course material page)
- Build images by docker and run (instruction on pre-course material page)
- Error? Email/slack me and I will help with that: rasools@chalmers.se

#### Clone GitHub repo

OMICINT\_H24 branch is for this iteration of the course





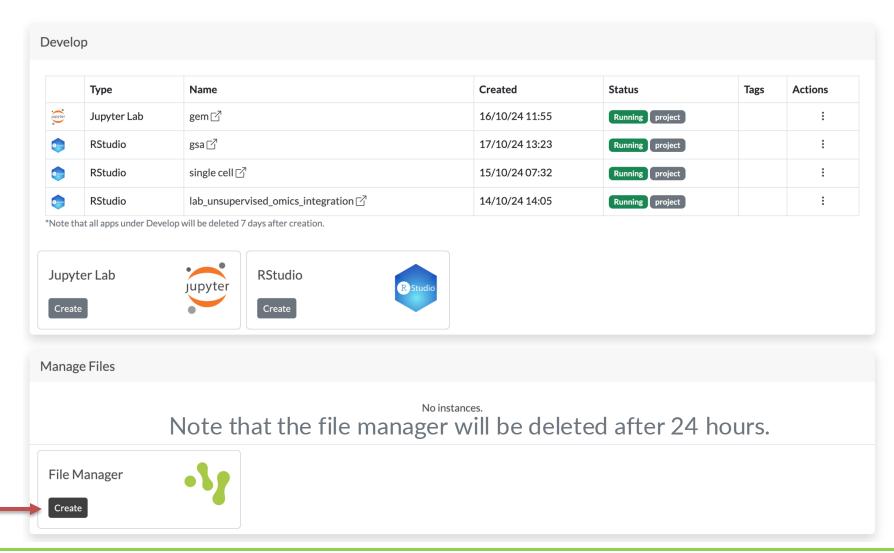














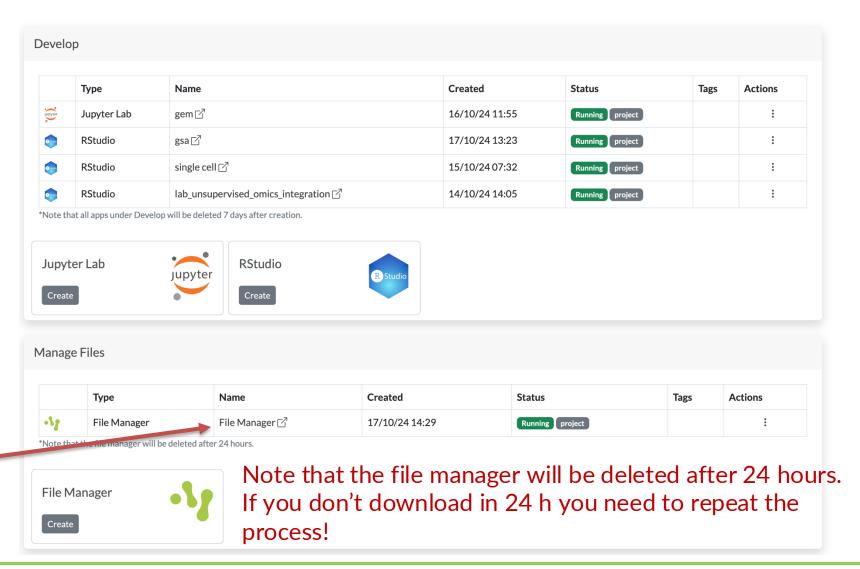














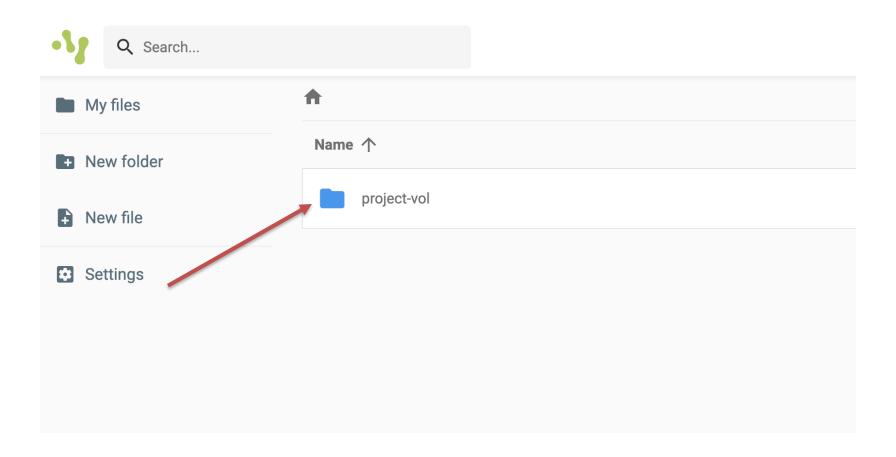














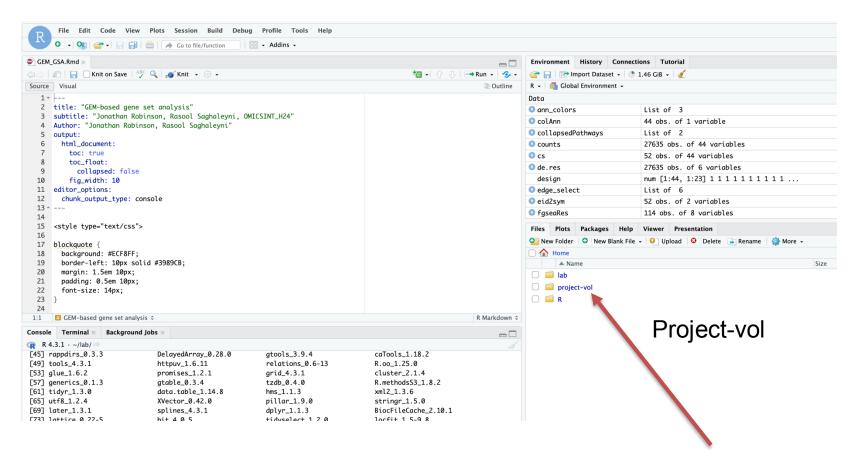










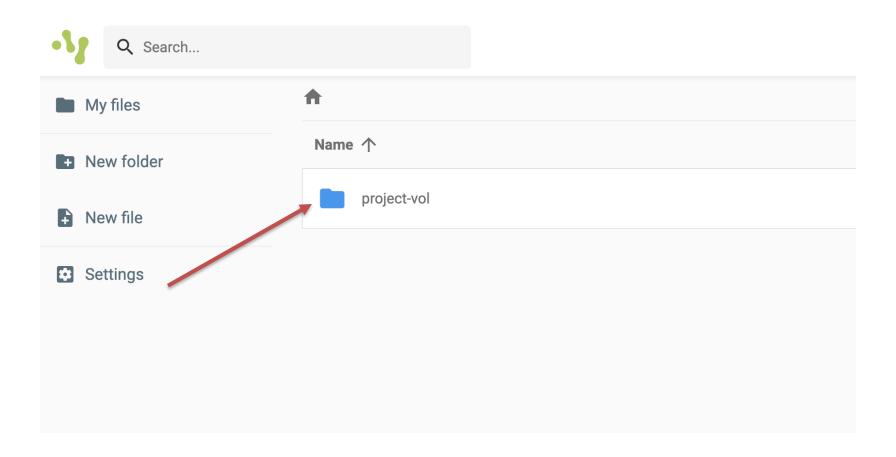


Whatever you save on Project-vol will be saved on your folder and you can download it from there.











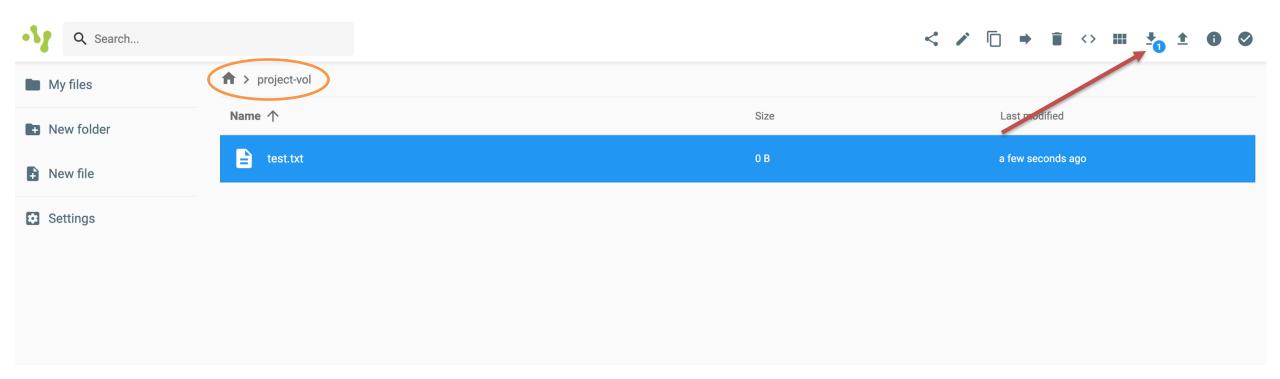
















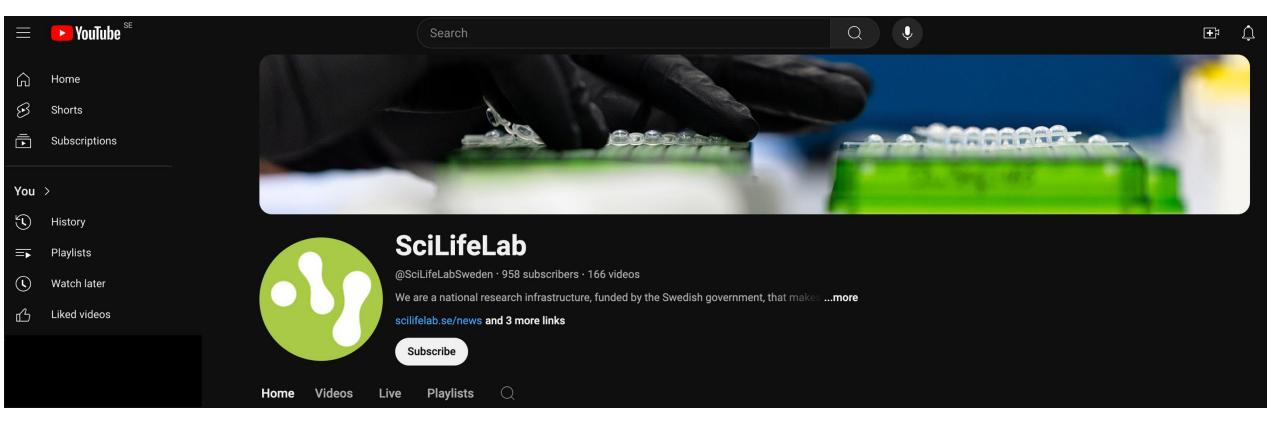






#### Invited lecturers' videos





https://www.youtube.com/@SciLifeLabSweden

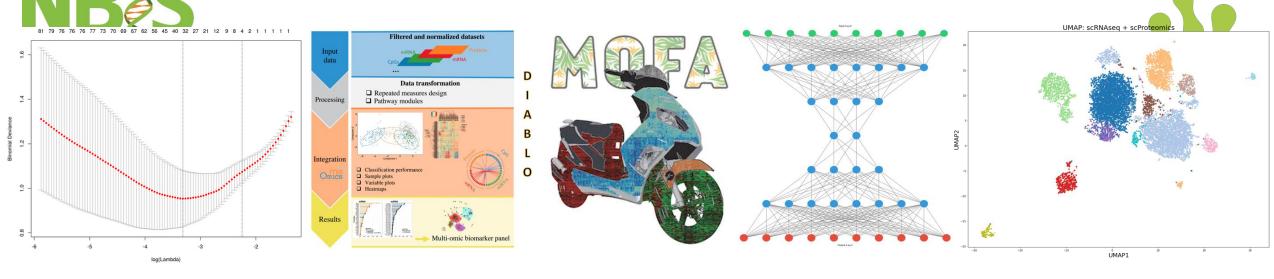




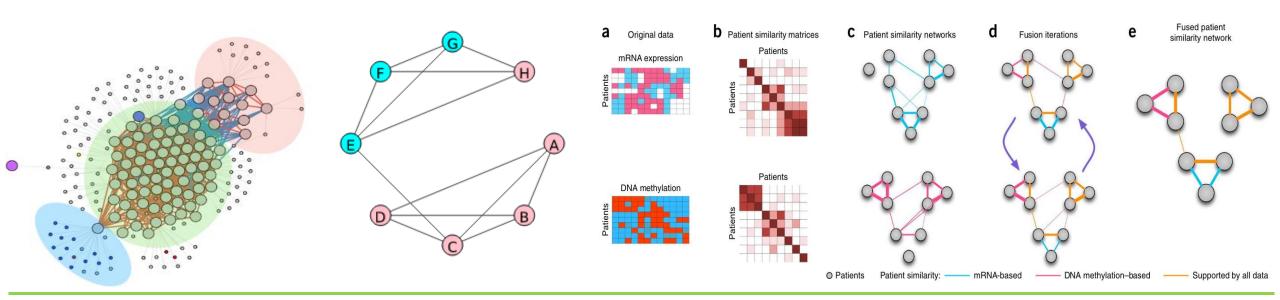




#### 1) Machine learning, matrix algebra, feature selection



#### 2) Graph theory, biological network topology







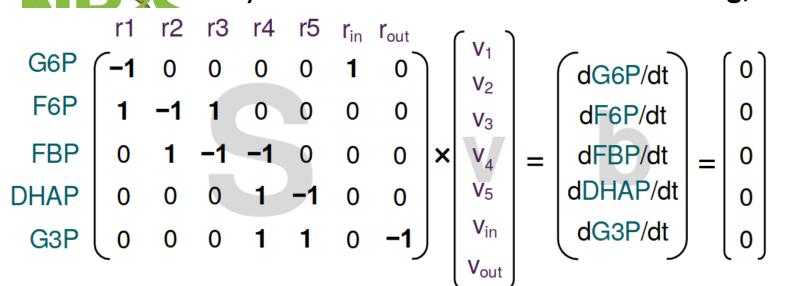


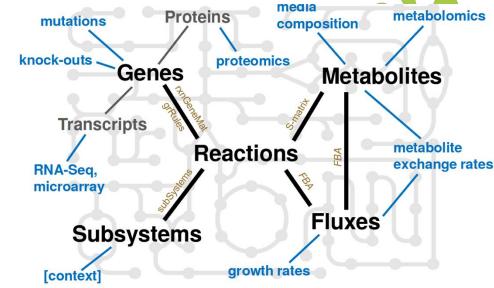




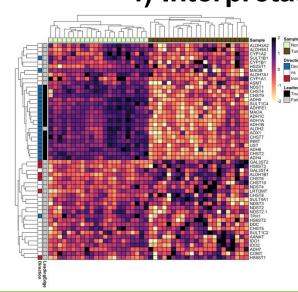


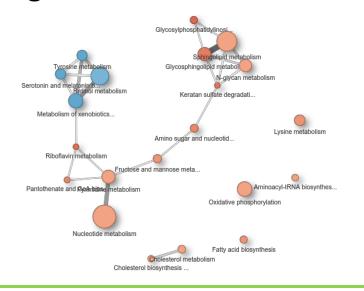
#### 3) Genome-scale metabolic modeling, flux balance analysis

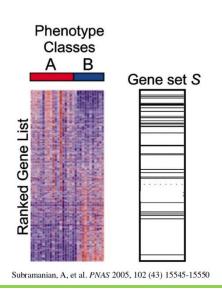


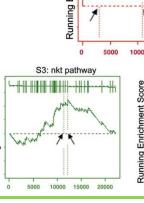


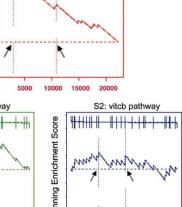
#### 4) Interpretation, gene-set enrichment analysis, reporter features











S1: chrX inactive











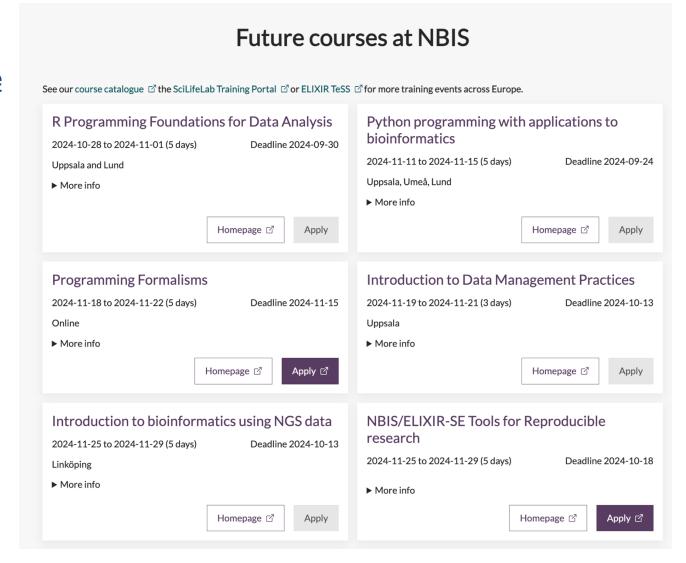




# **Upcoming NBIS courses**



https://nbis.se/training/future











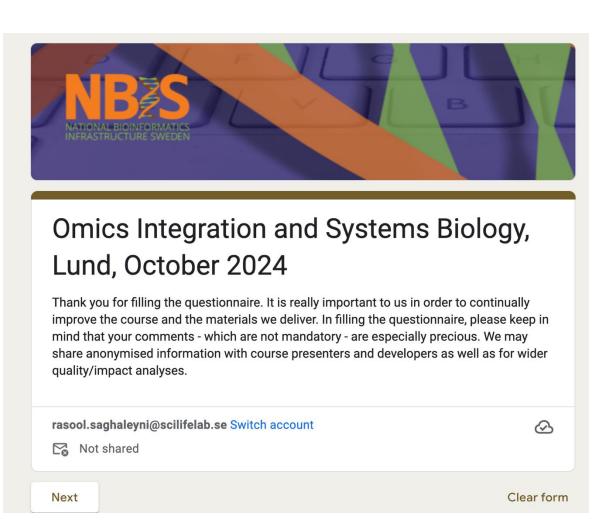


# Your inputs help us to improve!



https://docs.google.com/forms/d/e/1FAlpQLSekELo 0i71zPUpH-QYvi2TSFREIDH1g\_y6qWZTII\_owLiHdcA/viewform

Link in #general channel on slack or on schedule page















# Thank you all!









