



Omics Integration and Systems Biology Workshop

Oct 14 – 18, 2024

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OISB 2024 Teachers and TAs



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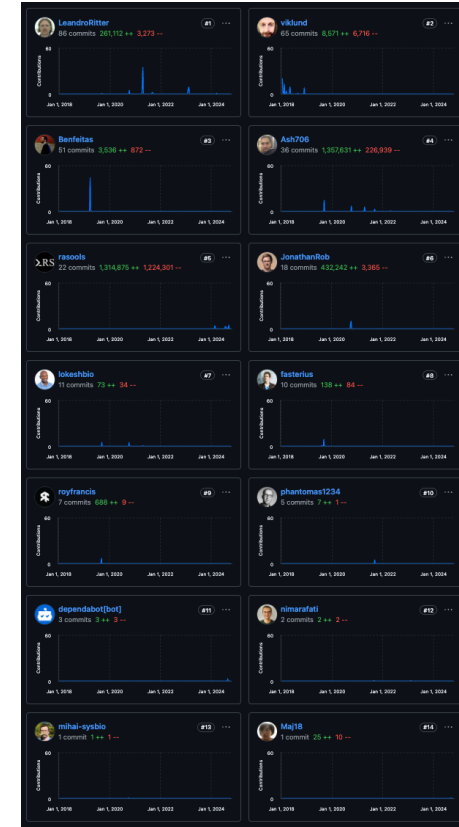


Stefan Ebmeyer



Jennifer Fransson

Contributors



For information about the course
please check the course website

Omics Integration and Systems Biology



Omics Integration and Systems Biology Workshop, 2024

[Github repository](#)

[Course canvas homepage](#)

Contact nikolay.oskolkov@scilifelab.se or rasool.saghaleyni@nbis.se for questions.

Course information can be found under the following pages:

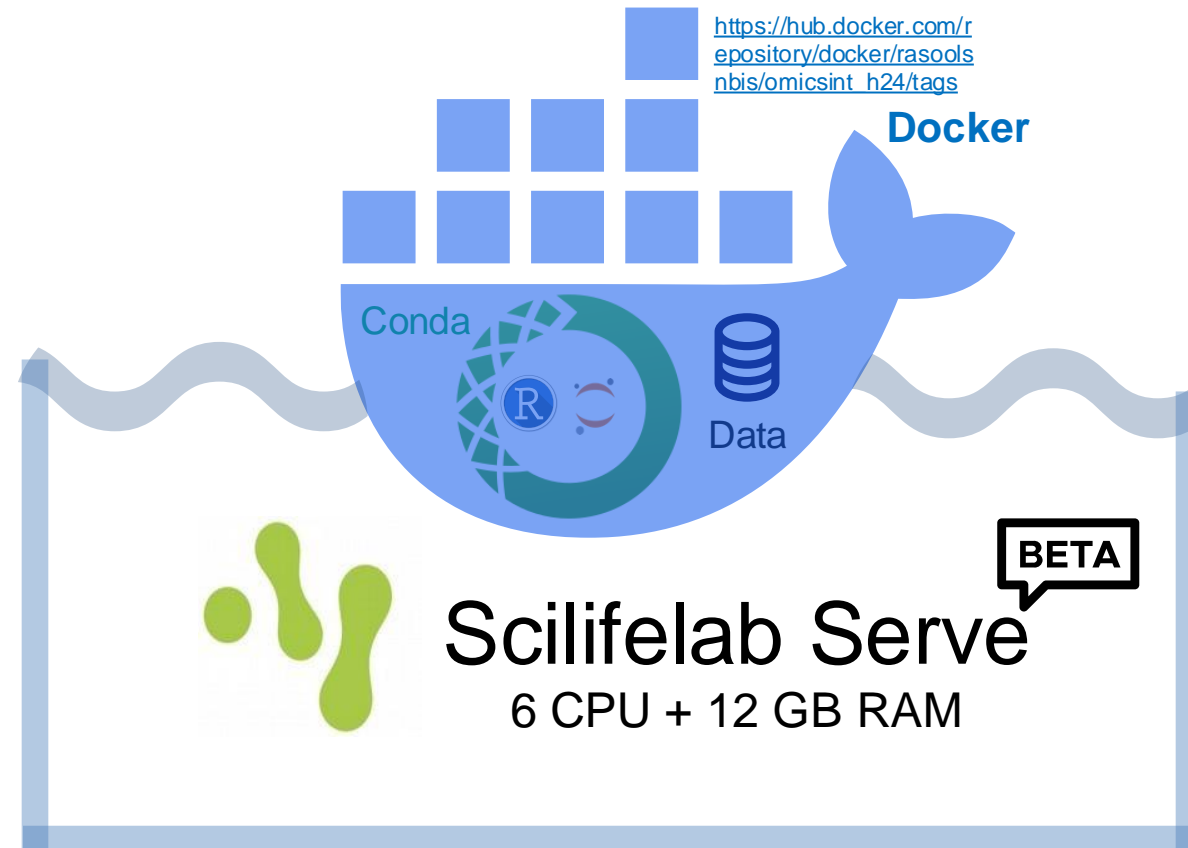
- [Practical information](#)
- [Schedule](#)
- [Reading materials](#)
- [Pre-course preparation](#)
- [Invited speakers](#)
- [Contact](#)

https://nbisweden.github.io/workshop_omics_integration/

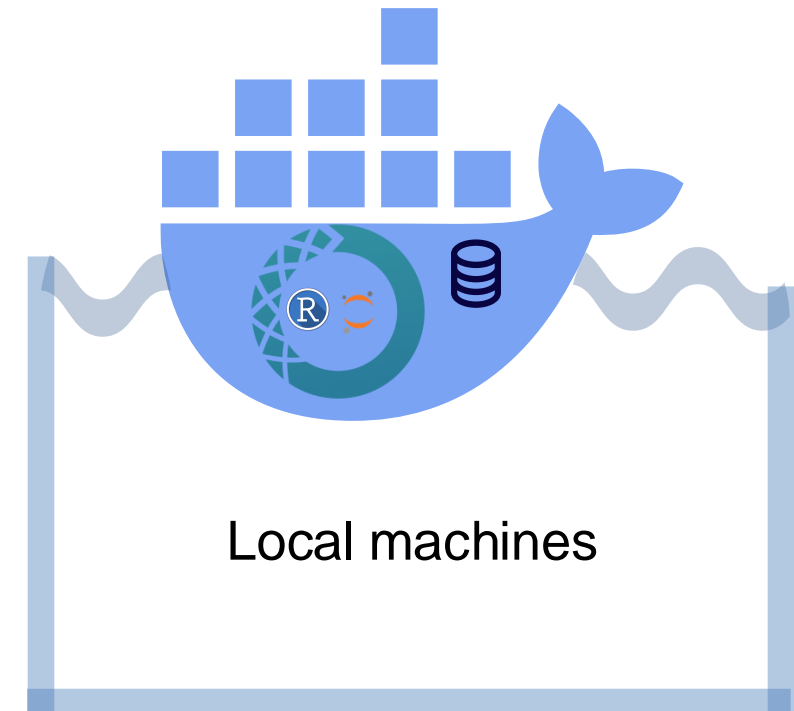
For communication during the course
please use the course slack



https://join.slack.com/t/omicsintegrat-ooou8386/shared_invite/zt-2qke3cai9-LyaWeaN8ZPB0q0cED~dmFQ



Plan B



All code for the exercises is available as R-markdown documents, or Jupyter notebooks, in the GitHub repo :

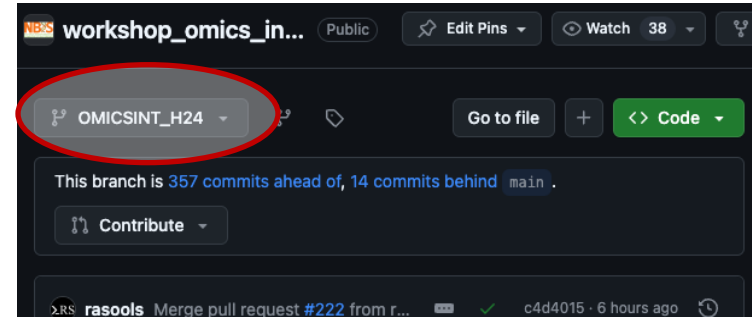
https://github.com/NBISweden/workshop_omics_integration/tree/OMICSINT_H24

Please report to us if you find any errors in the code!

- Slack channel **#exercises**

- An Issue on the GitHub repo:

https://github.com/NBISweden/workshop_omics_integration/issues



We may find bugs and update the code – in that case, update your git repo with command:

```
git pull
```

Slack channel: **#exercises**

It is important that you learn how to troubleshoot:

- Look at your error messages, perhaps the answer is there?
- If not – Google is your best friend! Forums like Seqanswers, Stackexchange, Bioconductor support forum, specific forums (or Github issues) for each package may have the answer.
- **Ask for help** from your colleague in the room
- **Be kind and help** if your colleague in need or ask for assistance
- If the question persists, ask for help in the room

Instructors are here to answer any questions and give suggestions, but we may not always have the answer.

Daniel Muthas



Head of Data Science & Bioinformatics at AstraZeneca

Talk Title: *Deriving actionable insight from omics data – an industry perspective*

Time: October 15, 10:00 – 11:15 CET onsite and online on zoom

Onsite and broadcasting

https://nbisweden.github.io/workshop_omics_integration/invited_speakers.html

Johan Gustafsson



Postdoctoral Fellow, Broad institute, USA

Talk Title: *Generation of context-specific genome-scale metabolic models using single-cell RNA-Seq data*

Time: October 17, 13:00 – 14:15 CET online on zoom

Mats Nilsson



Professor of Biochemistry at Stockholm University, Head of In Situ Sequencing unit Spatial Biology platform Scilife Lab

Talk Title: *Targeted in situ sequencing for characterization of the genetic, molecular and cellular diversity of healthy and disease tissues*

Time: October 18, 10:00 – 11:00 CET online, only for course participants

Please ask questions!

