A practical introduction to multiomics integration and network analysis

22 - 23 July 2021 Online ISMB/ECCB 2021 tutorial

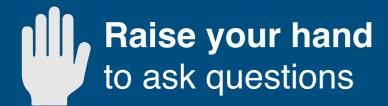




Instructions









Chat
Please refrain from using the chat
Use HackMD





Rui Benfeitas NBIS, Stockholm



Nikolay Oskolkov NBIS, Lund



Ashfaq Ali NBIS, Lund



Mentimeter

Go to

https://www.menti.com/ijyamn8hvr

Or <u>www.menti.com</u> and use the code 8973 8714



Themes

Before the course:

- Data pre-processing
- Feature selection
- Dimensionality reduction

July 22:

- ML view of integrative omics
- Supervised integration
- Unsupervised integration
- Hands-on session
- Summary

July 23:

- Biological network analysis
- Network meta-analysis
- Hands-on session
- Summary

Focus on scientific questions



Resources

Slides and scripts: schedule

Hands-on instructions: labs

Time permitting we'll take questions during lectures.

Welcome to ask any questions on <u>HackMD</u>

Feedback at the end



ELIXIR Omics Integration and Systems Biology – Online

(September 6 - September 10

Add to calendar: Google Calendar

Organizer

1 NBIS - National Bioinformatics Infrastructure Sweden

■ education@nbis.se

Wiew Organizer Website

Venue

Online

6 - 10 September

Applications open until 9 August

Researchers from European Institutions

Home / Event / Elixir Omics Integration And Systems Biology Online

ELIXIR Omics Integration and Systems Biology – Online

The National Bioinformatics Infrastructure Sweden (NBIS) / ELIXIR Sweden is pleased to announce the workshop in Omics Integration and Systems Biology. This workshop is open for PhD students, postdocs, group leaders and core facility staff from European institutions looking for an introduction to multi-omics integration and systems biology approaches.

This workshop will include lectures and hands-on exercises from NBIS / Scilifelab experts from Stockholm, Lund and Gothenburg, as well as guest sessions from:

- Ricard Argelaguet, PhD, Babraham Institute, United Kingdom
- Kim-Anh Lê Cao, PhD, Melbourne University, Australia
- Pedro Beltrao, PhD, EMBL-EBI, United Kingdom
- Nikolaus Sonnenschein, PhD, DTU Technical University of Denmark, Denmark

More information to come on the course website.

Important Dates

- Application opens: 3 June
- Application closes: 9 August
- Confirmation to accepted students: 16 August

Application

Course website

