



Course advertisement

Bioinformatics and Next Generation Sequencing 2023

Within this course you will learn important bioinformatic concepts and tools and in particular focus on the analysis of Next Generation Sequencing datasets with many examples and exercises.

The course is open to all PhD students. Students of the PhD Program Biomedicine (BioMed) have priority.

| Date | Topic | Time |
|-------------------------------|---|-----------------|
| Mon 30 th Oct 2023 | Introduction to R | 09:30-17:00 GMT |
| Mon 6 th Nov 2023 | Introduction to Unix and Sequencing QC | 09:30-17:00 GMT |
| Mon 13 th Nov 2023 | RNA Seq Data Analysis | 09:30-17:00 GMT |
| Mon 20 th Nov 2023 | ChIP Seq Data Analysis | 09:30-17:00 GMT |
| Mon 27 th Nov 2023 | 10X single cell RNA Seq Data Analysis | 09:30-17:00 GMT |
| Mon 4 th Dec 2023 | Extracting Biological Information from Gene Lists | 09:30-17:00 GMT |

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| Room | via Zoom, details to follow |
| Type | Interactive Course with many hands-on exercises |
| Requirement | Basic bioinformatics knowledge is recommended |
| Recommendation | PhD students that will work with NGS datasets |
| Maximum participants | 20 |
| Further information | BioMed Coordinating Office (andrea.schmitz-derron@uzh.ch) and here https://www.bioinformatics.babraham.ac.uk/training.html |
| Credit points | 3 ECTS (exercises within the course) |
| Registration | By e-mail to andrea.schmitz-derron@uzh.ch until Friday 29th September 2023 including the registration form. If the number of applications exceeds the maximum number of possible participants, priority will be given to BioMed students and those working with NGS datasets. |
| Fees | Free of charge for LZSGS PhD Students. In case of late cancellation (after Oct 15 th) or no-show, we will charge a fee of CHF 250. |