



Course:
**Visual Analytics of large-
scale biological data**

Kay Nieselt
Center for Bioinformatics Tübingen
University of Tübingen



HANDS-ON BASIC FUNDAMENTAL BIOLOGICAL VIS

Overview



- FastQC
- Seqlogo versus Sequence Bundles
- Venn diagrams
- IGV, IGB



Learning Objectives



- Learn most essential commands of Linux
 - Learn to create QC reports (part 1: FastQC)
 - Venny versus eulerAPE
 - Get accustomed to genome browsers
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- <http://www.bioinformatics.babraham.ac.uk/projects/fastqc/>
 - Play around, use the example provided or your own data
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Sequence Bundles



- <http://science-practice.com/projects/sequence-bundles/>
 - Play around, use the example provided or your own data
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Venn diagrams



Venny versus eulerAPE

- Use data provided or your own data

- Venny:

<http://bioinfogp.cnb.csic.es/tools/venny/>

- eulerAPE:

<http://www.eulerdiagrams.org/eulerAPE/>

Genome Browsers



- IGV:
<http://www.broadinstitute.org/software/igv/download>
- IGB:
<http://bioviz.org/igb/index.html>
- Your (own) favorite?

Use the data provided or your own.
