ECSEQ BIOINFORMATICS

SAXOCELL®



ECSEQ TRAINING FOR THE SAXOCELL CONSORTIUM

Next-Generation Sequencing Data Analysis using Galaxy

Quality control, read mapping, visualization and DNA variant analysis

DATE	VENUE
18-19 January 2027	**ScaDS.AI, Leipzig**

Learn the core concepts of NGS data analysis through guided practical exercises in the browser-based Galaxy environment.

Topics covered

- **Galaxy essentials**
  Interface, datasets, histories and analysis workflows.
- **NGS fundamentals**
  Sequencing concepts, DNA-Seq and key file formats.
- **Read quality control**
  Assessing read quality and preprocessing sequence data.
- **Read mapping**
  Aligning reads to a reference genome and assessing mapping results.
- **Visualization**
  Inspecting alignments in a genome browser.
- **DNA variant analysis**
  Calling, filtering and interpreting variants in VCF files.

TRAINERS **Dr. David Langenberger & Dr. Mario Fasold**

Free for SaxoCell members and partners

Registration and organizational enquiries: please contact the SaxoCell Hub.

Your registration is a firm commitment to attend both days.

Please register only if you can attend. Your place incurs costs for room arrangements, course materials, preparation, coffee and snacks. If you cannot attend, please notify the SaxoCell Hub as early as possible so we can adjust our plans.