

Sunday 23.10.22

- Introduction, instructions, preparations
- DNA extraction from historic insect specimens (max. 6 samples with genomes <800 MB)
- DNA quantification (Qubit), DNA fragment characterization (TapeStation), optional fragmentation

Monday 24.10.22

- Preparation of shotgun libraries using NEB kit (up to PCR)

Tuesday & Wednesday 25. & 26.10.22

Symposium: Perspectives and Challenges in hDNA Sequencing from Insect Museum Specimens

Tuesday afternoon and evening: continue the workshop

- PCR cleanup, Qubit, TapeStation
- Equimolar pooling of shotgun libraries for the MiSeq
- Watch the start of the run on the MiSeq machine

Thursday 27.10.22

- First bioinformatics steps in joint raw data processing (demultiplexing, trimming), data characterization & quality control (counting reads, no. of duplicates) as a group demonstration
- Outlook discussion on various possibilities to adapt the protocol/approach