

Target enrichment for plant/animal systematics - methodological workshop

8.-16.6.2026

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Monday	Tuesday	Wednesday	Thursday	Friday
8.6.	9.6.	10.6.	11.6.	12.6.
<p><i>Morning</i> General introduction Theory - library preparation (Rosi, Tomáš) Theory - target enrichment principle (Rosi) & discussion</p> <p><i>Afternoon</i> Lab work demonstration - DNA conc. (Nanodrop, Qubit), Covaris sonication, gel... (Soňa) Independent/group work - preparing presentation of Ufimov et al. (2021) paper – custom vs. universal probes</p>	<p><i>Morning</i> Lab work demonstration - library preparation, size selection, gel, barcoding... (Soňa) Paper presentation & discussion (custom vs. universal probes)</p> <p><i>Afternoon</i> Lab work demonstration (contin.) & Independent work on paper of choice about target enrichment in plant/animal systematics</p>	<p><i>Morning</i> Theory - approaches for data analysis (Rosi) Theory - target enrichment data structure (Vojta) Computer work - data cleaning, gene alignments with HybPiper (Vojta)</p> <p><i>Afternoon</i> Theory - gene trees vs species trees (Tomáš)</p>	<p><i>Morning</i> Theory - gene trees vs species trees (continue) (Tomáš)</p> <p><i>Afternoon</i> Computer work - gene tree, species tree building (Vojta)</p>	<p><i>Morning</i> Computer work - HybPhyloMaker - initial steps (cleaning, mapping, alignment, filtering) (Tomáš)</p> <p><i>Afternoon</i> Computer work - HybPhyloMaker - species tree methods, discordance, networks (Tomáš) Theory&discussion - discordance, networks, hybridization (Rosi, Tomáš)</p>

Monday	Tuesday
15.6.	16.6.
<p><i>Morning</i> Student presentations - papers of their choice (5mins + 10mins discussion)</p> <p><i>Afternoon</i> Group work/discussion - reading Joyce et al. (2025), discussion of tools&approaches</p>	<p><i>Morning</i> Plastome 'assembly' - HybPhyloMaker, FastPlast (Tomáš)</p> <p><i>Afternoon</i> Wrap-up, varia (Rosi, Tomáš, Vojta) Hands-on session with own data etc. (Rosi, Tomáš, Vojta)</p>