Target enrichment for plant/animal systematics - methodological workshop
7.-16.6.2023

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Wednesday **7.6.**	**Thursday** **8.6.**	**Friday** **9.6.**
Morning General introduction Theory - library preparation + hybridization enrichment (Rosi, Tomáš) *Afternoon* Lab work - Covaris sonication, gel prep, Qubit (Luciana, Tomáš)	*Morning* Lab work - library prep, size selection (Luciana) During breaks: paper discussion (custom vs. universal probes) *Afternoon* Lab work - size selection Theory - custom probes design (Rosi)	*Morning* Theory - target enrichment principle (Rosi) Student presentations - papers of their choice (5mins + 10mins discussion) *Afternoon* group work/discussion - custom vs universal probes

Monday **12.6.**	**Tuesday** **13.6.**	**Wednesday** **14.6.**	**Thursday** **15.6.**	**Friday** **16.6.**
Morning Theory - approaches for data analysis (Rosi) Theory - Hyb-Seq data structure (Vojta) Computer work - data cleaning, gene alignments with HybPiper (Vojta) *Afternoon* Theory - gene trees vs species trees (Tomáš)	*Morning* Theory - gene trees vs species trees (continue) (Tomáš) *Afternoon* Computer work - gene tree, species tree building (Vojta)	*Morning* Computer work - HybPhyloMaker (Tomáš) *Afternoon* HybPhyloMaker - species tree methods, discordance, networks (Tomáš, Rosi)	*Morning* Plastome 'assembly' - HybPhyloMaker, FastPlast (Tomáš) *Afternoon* Cytonuclear discordance (Rosi, Tomáš) Applications of Hyb-Seq (Rosi) group work/discussion - RADseq vs. Hyb-Seq vs hyRAD	*Morning* Wrap-up, varia (Rosi, Tomáš, Vojta) Hands-on session with own data etc. (Rosi, Tomáš, Vojta) *Afternoon* (continue?)