

- We will discuss how to use PQ-trees for triples of permutations in order to solve the preserving reversal median problem.
- We will continue with “Combinatorics of Genome Rearrangements”. We will discuss how to solve the Preserving Reversal Median Problem in more detail. (<http://portal.acm.org/citation.cfm?id=1435570>) M. Bernt, D. Merkle, M. Middendorf, IEEE/ACM Transactions on Computational Biology and Bioinformatics, Vol. 5, No. 3, 332-347, 2008.
- After that we will start with the topic “Phylogenetics”, please read Chapter 7 of Understanding Bioinformatics, 2008 by Marketa Zvelebil and Jeremy O. Baum, http://www.garlandscience.com/res/pdf/9780815340249_ch07.pdf. Phylogenetics will also be the topic of next weeks lecture (especially Chapter 8 from this book).