

**Algorithms in Genome Research
Winter 2005/2006**

Exercises

Sheet 8, Discussion: 19.01.2006

1. Visit <http://compdiag.molgen.mpg.de/ngfn/pma2005nov.shtml>. There you will find the lecture notes and further material as well as exercises for Microarray analysis (with R and Bioconductor).
2. With the t-statistic you can calculate the significance of differential gene expression. In the case of a small sample set the moderate t-statistic is used. Explain what the moderate t-statistic is and why it is reasonable.
3. A p-value (uncorrected) of 0.01 for testing differential expression means ...
4. List some global and local normalization methods and some of their properties.