2nd RNA-seq Workshop Düsseldorf 2014
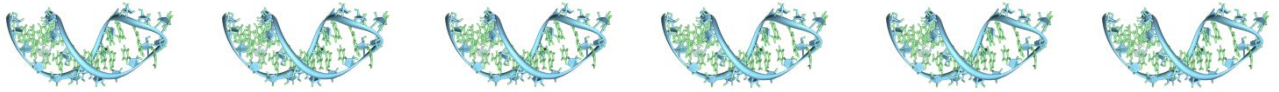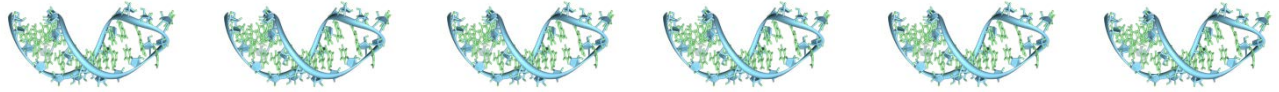
5th to 7th of March

Read Mapping
Statistical Evaluation
Enrichment Analyses
Clustering Tools
Biological Interpretation

HandsOn in ComputerLab

Basics Unix, Perl and R basics for complete beginners

Read mapping formatting reads, different mapping programs, parsing and testing results

statistical evaluation open source software to test for differential expression

enrichment analyses data preparation, Fishers exact test, multiple hypothesis testing correction

clustering tools principle component analyses, hierachical clustering

biological interpretation of data

Lectures (planned)

Chip-Seq
Mapping of mutants
Genome Assembly
RNA-seq of non-models

Q&A session

The workshop fee is 50 Euro which is waived for those currently involved in a Plant Biotechnology (PLANT2030) or trinational KBBE project through the Plant Biotechnology Primary database. To participate, send a letter of motivation of no more than 2000 characters stating how you (plan to) use NGS in your work no later than 31.01.14 to **andrea.braeutigam@hhu.de**.

Important Dates

31.01.14 Application Deadline
15.02.14 Notification of Participation
05.03.14 9am Start of Workshop
07.03.14 1pm End of Workshop

More information can be obtained by writing to
andrea.braeutigam@hhu.de

CLCbio **SPP 1529 ADAPTOMICS** **PROMICS** **Specific Light Driven Reactions in Unicellular Model Algae** **HEINRICH HEINE UNIVERSITÄT DÜSSELDORF** **iGRADplant International Graduate Program for Plant Science** **PlabiPD Plant Biotechnology Primary Database**

Weber Lab, Heinrich Heine University Düsseldorf, www.plant-biochemistry.hhu.de