Talks

### 21.01.2013 Felix Hauser UC San Diego PI: Julien Schroeder

* Phantom Resource: artificial micro RNA -> armiRNA against whole family of genes
* tackling redundancy of gene families in Arabidopsis.
* 22’000 gene constructs available, supplied in a plant vector and a Gateway compatible storage plasmid
* Alternative: WMD3 Tool
* amiRNA: 19-24nt long double stranded RNAs; for construction: fit into an indigenous miRNA for optimized expression/folding; can target multiple genes -> unique manipulation tool;
* comparison to hairpin RNAi: amiRNAs are shorter (~20 vs hundreds of nt), thus the precise fitting can better be predicted, mechanism is thus more reliable.