C7876en – Schedule

26.2.	9:00-12:00 (C05/107) – Tools used in Gene Technologies: primer and qPCR probe design, design of oligos for different cloning systems, analysis of nucleotide and protein sequences, design of site-directed mutagenesis oligos, CRISPR-Cas design
5.3.	10:00-12:00 (C05/312) – Testing of knowledge from online tools used in Gene Technologies
12.3.	9:00-17:00 (C05/312) – RNA isolation and Restriction and TA-cloning, Gibbson assembly of specific genes from tomato and Arabidopsis plants (Group 1)
19.3.	9:00-17:00 (C05/312) – RNA isolation and Restriction and TA-cloning, Gibbson assembly of specific genes from tomato and Arabidopsis plants (Group 2)
26.3.	9:00-17:00 (C05/312) – RNA isolation and Restriction and TA-cloning, Gibbson assembly of specific genes from tomato and Arabidopsis plants (Group 3)
2.4.	10:00-15:00 (C05/312) – Transient expression of genes in plants: Transformation of *N. benthamiana* plants with *Agrobacterium tumefaciens* (Group1, 2, 3)
9.4.	10:00-15:00 (C05/312) – Analysis of transient expression of the protein in *N. benthamiana*: RNA isolation, RT-qPCR analysis (Group1, 2, 3)
16.4.	10:00-15:00 (C05/312) – Analysis of transient expression of the protein in *N. benthamiana*: Western-blot analysis
23.4.	9:00-11:00 (C05/312) – Preparation of NGS library (Part 1): Group 1 11:00-13:00 (C05/312) - Preparation of NGS library (Part 1): Group 2 13:00-15:00 (C05/312) - Preparation of NGS library (Part 1): Group 3
30.4.	9:00-11:00 (C05/312) – Preparation of NGS library (Part 2): Group 1 11:00-13:00 (C05/312) - Preparation of NGS library (Part 2): Group 2 13:00-15:00 (C05/312) - Preparation of NGS library (Part 2): Group 3