

Module Description

name of the module	Plant biotechnology and functional genomics (WM-15)
start	July
duration	3 weeks; limited number of students
location	University of Freiburg, Faculty of Biology
contact person	Eva Decker (eva.decker@biologie.uni-freiburg.de)
ECTS (regular/max)	9
examination	Preparation and presentation of a seminar
graded	no
description of content	Design of an individual cloning strategy (via Gibson Cloning) for a gene-targeting/genome-editing construct (knockout/knockin) for <i>Physcomitrella patens</i> ; project design for generation and molecular analysis of transgenic <i>Physcomitrella</i> plants; generation and molecular analysis of transgenic <i>Physcomitrella</i> plants; documentation of all approaches and results in a lab journal; presentation of the aims and results of the individual project

Links to the detailed description of the courses of this module (incl. schedule):

- [Lecture: Functional genome analysis](#)
- [Practical exercises: Design and molecular analysis of transgenic plants](#)
- [Seminar: Current aspects of plant biotechnology](#)