

Hormonell regulering av stengelstrekning i rødkløver

Hormonal control of stem elongation in red clover



Red clover first grows as a rosette plant. When the plant is large enough, and if the environmental conditions (temperature, photoperiod) are right, stems will start to elongate, and then the plant will flower. We are interested in the regulation of the timing of stem elongation. There is genetic variation in this trait, and we know that plant hormones like gibberellins and auxin are likely to be involved ([Identification of loci controlling timing of stem elongation in red clover using genotyping by sequencing of pooled phenotypic extremes | SpringerLink](#)).

In this master project you will investigate the role of plant hormones in the control of stem elongation. You will treat plants with hormones and inhibitors and characterize their growth in experiments under controlled conditions. If you are interested, it is possible to combine this with some molecular biology analyses.

Subject area (keywords): Plant physiology, plant science, development

Language thesis: English or Norwegian

Bachelor or Master thesis: Both possible

Credits: 15, 30 or 60

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