



Lecture Series

## Plant Biotechnology: Principles and Applications

Wed. 8:30 – 10:00 in H53

**Start: Wed. April 22, 2026 (Note: 2<sup>nd</sup> semester week)**

22.04.2026	Introduction to Plant Biotechnology and GMPs	Dresselhaus
29.04.2026	Plant Tissue Culture	Dresselhaus
06.05.2026	Plant Breeding I: Classical Methods	Dresselhaus
13.05.2026	Plant Breeding II: Modern Methods	Dresselhaus
20.05.2026	Plant Genetic Engineering I	Grasser
27.05.2026	Plant Genetic Engineering II	Grasser
03.06.2026	Quality Traits and Molecular Farming	Grasser
10.06.2026	Agronomic Traits	Grasser
17.06.2026	Bioenergy Plants and Biosafety Research	Grasser
24.06.2026	Plant RNA Biotechnology I	Koch
01.07.2026	Plant RNA Biotechnology II	Koch
08.07.2026	Biotechnology for Pest Control	Koch
<i>open</i>	<i>Beer garden discussion: Global applications of plant biotech methods</i>	All docents

This lecture series addresses advanced students (6th semester and higher) in the life sciences and related fields. The focus will be on methods of plant tissue culture and genetic engineering as well as various applications of plant biotechnology for crop improvement in agriculture. Modern plant breeding methods will be introduced and ethical and safety issues as well as public perception will be discussed.

The lecture series will be taken into account as *Biologische Spezialvorlesung* during the BSc studies and/or for the MSc Modules *Cell and Developmental Biology* and *Plant Cellular Biochemistry and Genetics*.