



Lecture Series

Plant Biotechnology: Principles and Applications

Wed. 8:30 – 10:00 in H53

Start: Wed. April 23, 2025

23.04.2025	Introduction to Plant Biotechnology and GMPs	Dresselhaus
30.04.2025	Plant Tissue Culture	Dresselhaus
07.05.2025	Plant Breeding I: Classical Methods	Dresselhaus
14.05.2025	Plant Genetic Engineering I	Grasser
21.05.2025	Plant Breeding II: Modern Methods	Dresselhaus
28.05.2025	<i>cancelled</i>	
04.06.2025	Plant RNA Biotechnology I	Koch
11.06.2025	Plant Genetic Engineering II	Grasser
18.06.2025	Agronomic Traits	Grasser
25.06.2025	Plant RNA Biotechnology II	Koch
02.07.2025	Quality Traits and Molecular Farming	Grasser
09.07.2025	Bioenergy Plants and Biosafety Research	Grasser
16.07.2025	Biotechnology for Pest Control	Koch
<i>open</i>	<i>Beer garden discussion:</i> Global applications of plant biotech methods	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*.