

Course

> Basic Cloning Techniques <

<i>Lecturer</i>	Schwelberger
<i>Number</i>	049008
<i>Type / ECTS</i>	VU 2 / 1,5 ECTS
<i>Date/Time</i>	June; details will be announced later
<i>Location</i>	Molekularbiologisches Labor der VTT Chirurgie Schöpfstraße 41 Raum SS41U148/150
<i>Limitations</i>	5 participants
<i>Registration</i>	Register in i-med.inside (deadline 31.05.2021)

Contents

- Cloning systems and cloning vectors
- Preparation and enzymatic manipulation of DNA and RNA
- Cloning of cDNA, gDNA, PCR product
- Characterization of cloned DNA

Requirements

- Basic knowledge of molecular biology
- Experience in basic laboratory techniques

Objectives

- Knowledge and application of the most important cloning techniques
- Ability to plan and carry out cloning experiments
- Knowledge of the most important techniques for the characterisation of nucleic acids

Method

The course material will be presented in modules each consisting of:

- Lectures giving background information
- Hands-on laboratory work by students with demonstrations by instructor