

Genome editing by CRISPR/Cas9 in theory and practice (PNS0151, 5 credits)

Note: The entire course, including the lab part, will be conducted online via Zoom

Date	Title	Time	Speaker
03-maj-21	CRISPR in theory (how it works and applications)	14:30-16:30	Panagiotis Moschou
04-maj-21		09:00-11:00	Panagiotis Moschou
05-maj-21	Non-canonical models for CRISPR-mediated editing (plants, fungi etc.)	14:30-17:00	Anna Törnkvist/Panagiotis Moschou
06-maj-21	CRISPR applications in disease resistance/Technological advancements of CRISPR	14:30-18:00	Florian Veillet (INRAE, France) / Thomas Jacobs (VIB, Belgium)
07-maj-21	CRISPR in practise: introduction	09:00-10:30	Panagiotis Moschou
10-maj-21	Design of CRIPSR strategies	10:30-12:30	Panagiotis Moschou
11-maj-21	Multiplexing CRISPR targets-Lab course I (targets sequences, selection and troubleshooting)	10:30-12:30	Anna Törnkvist
12-maj-21	Multiplexing CRISPR targets-Lab course II (superconstructs)	10:30-12:30	Anna Törnkvist
13-maj-21	Multiplexing CRISPR targets/genotyping-Lab course III (how to find my mutants)	10:30-12:30	Anna Törnkvist
24-maj-21	Transient CRISPR approaches-Lab course I	10:00-16:00	Anna Törnkvist
25-maj-21	Discussions/Presentations (how will you benefit from CRISPR in research terms?)	14:00-16:00	Panagiotis Moschou