

BIO-634

**Practical - Simanis Lab**

Simanis Viesturs

<b>Cursus</b>	<b>Sem.</b>	<b>Type</b>
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Multiple
Workload	30h
<b>Hours</b>	<b>24</b>
Courses	4
TP	20
<b>Number of positions</b>	<b>2</b>

**Frequency**

Every 2 years

**Remark**

3-day Block course, every year in January. To register, contact EDMS Administration

**Summary**

Next time in January 2019 Yeast genetics. Introduction to yeast genetics and cell biology.

**Content**

We will introduce you to the basic techniques used when employing the yeast model system to answer a biological question. You will set up and interpret genetic crosses, generate synchronous populations of cells and examine various parameters thereof. You will also examine the behaviour of components of the cytoskeleton during the cell cycle. In addition, there will be a brief introductory lecture and you will be asked to read and present a paper which uses the techniques that you will learn. You will be assessed based on your performance at the bench during the course and your comprehension and presentation of the assigned paper.

**Note**

Note that while the course is open to all first year EPFL doctoral students, priority will be given to EDMS students, given that they are mandated to take three of EDMS practical modules. Note also that doctoral students from the Simanis laboratory cannot take this course. Access is limited to 2 students.

**Keywords**

Yeast, genetics, microscopy.

**Learning Prerequisites****Recommended courses**

Reading of reviews (titles to be communicated later) and knowledge of basic molecular biology.

**Resources****Websites**

- <http://simanis-lab.epfl.ch/>