

BIO-663

Practical - Trono Lab

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Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Oral
Workload	30h
Hours	24
Courses	6
TP	18
Number of positions	2

Frequency

Every 2 years

Remark

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

Summary

Introduction to the vectorology then learning how to design and produce a lentivector.

Content

We will start with an introduction to the vectorology then learn how to design and produce a lentivector. The goal will be to discover how a modified lentivirus can be transformed to be used as a powerful tool to mediate stable expression of a transgene in vitro in cells and in vivo in a mouse model.

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 Trono laboratory cannot take this course. Access is limited to 3 students.

Keywords

Lentivectors.

Learning Prerequisites**Recommended courses**

Basic knowledge in cellular biology and virology.

Resources**Websites**

- <http://tronolab.epfl.ch/>