

BIO-603(OE)

Practical - Oricchio & Naveiras Labs

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Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Project report
Workload	30h
Hours	24
Courses	7
TP	17
Number of positions	3

Frequency

Every year

Summary

Training in hemato-oncology - Analysis and genetic manipulation of hematopoietic progenitor cells. Morphological recognition of main hematopoietic lineages.

Content

The students will learn how to

- 1) collect and genetically modify murine hematopoietic progenitor cells
- 2) set up hematopoietic colony-forming unit assay
- 3) stain and analyze of blood smears

Note

Note that while the course is open to all 1st year EPFL doctoral students, priority will be given to 1st & 2nd-year EDMS students, given that they are mandated to take three EDMS practical modules. Note also that doctoral students from the Oricchio and Naveiras laboratories cannot take this course. Access is limited to 4 students. Takes place every year in January.

Keywords

hematology
genetics

Learning Prerequisites**Required courses**

student should be familiar with cell culture

Learning Outcomes

By the end of the course, the student must be able to:

- Manipulate and grow hematopoietic progenitor cells

Assessment methods

Project report, written