

BIO-603(O)

**Practical - Oricchio Lab**

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

|                            |                |
|----------------------------|----------------|
| Language of teaching       | English        |
| Credits                    | 1              |
| Session                    |                |
| Exam                       | Project report |
| Workload                   | 30h            |
| <b>Hours</b>               | <b>26</b>      |
| Courses                    | 8              |
| TP                         | 18             |
| <b>Number of positions</b> | <b>3</b>       |

**Frequency**

Every year

**Remark**

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

**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 blood smears

**Note**

Open to max. 3 students. Please note that you are not allowed to inscribe in your own group!

**Keywords**

hematology, genetics

**Learning Prerequisites****Important concepts to start the course**

Students should be familiar with cell culture.

**Learning Outcomes**

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

- Manipulate hematopoietic progenitor cells
- Grow hematopoietic progenitor cells