

BIO-608

Practical - Brisken Lab

Brisken Cathrin

Cursus	Sem.	Type
Molecular Life Sciences		Obl.

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

Frequency

Every year

Remark

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

Summary

Breast development and cancer. Learn about experimental approaches to study Breast Development and Breast Cancer.

Content

Introduction to the role of hormones in breast development and breast cancer.

Practical part:

- Studying mammary gland development: a) wholemounting mouse mammary glands, b) histological analysis of mouse mammary glands
- Hormones and breast development: Immunostaining for the progesterone receptor
- The importance of structure: Growing cells in 3D: Extraction of collagen from rat tails
- Gene transfer techniques: Discuss different viral vectors

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 Brisken laboratory cannot take this course. Access is limited to 4 students.

Resources**Websites**

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