

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

Please note that you are not allowed to inscribe in your own group!

Note that 3 practical courses are mandatory for all EDMS students and that they have the priority; each course has between 2 to 4 possible slots.

Therefore, please do not register by yourself to this course, this will be done by the EDMS program administrator!**Resources****Websites**

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