

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
<b>Hours</b>	<b>24</b>
Lecture	6
Practical work	18
<b>Number of positions</b>	<b>2</b>

**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/>