

BIO-603(SK) **Practical - Schoonjans Lab**

Schoonjans Kristina

Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Oral presentation
Workload	30h
Hours	24
Lecture	6
Practical work	18
Number of positions	3

Frequency

Every year

Remark

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

Summary

Bile acid signaling. Investigate GPCR-mediated effects of bile acids on mitochondrial function and dynamics.

Content

Introduction (bile acid physiology and signaling / mitochondrial function and dynamics).

Isolation and culture of adipose tissue stromal vascular fraction and differentiation into primary adipocytes.

Analysis of mitochondrial morphology, network and proteins.

Note

Please note that you cannot register in your own group Practical!

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!**Keywords**

Bile acid signaling

Learning Prerequisites**Required courses**

Basic knowledge of cellular biology and metabolism.

Assessment methods

Oral presentation

Resources**Websites**

- <https://schoonjans-lab.epfl.ch/>