

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
<b>Hours</b>	<b>24</b>
Lecture	6
Practical work	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**

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 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!****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/>