

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>
Courses	6
TP	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.

**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/>