

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
Courses	6
TP	18
Number of positions	3

Frequency

Every year

Remark

Next time: Spring 2019 - January

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

Note that while the course is open to all 1st year EPFL doctoral students, priority will be given to 1st & 2nd-year EDMS students, given that they are mandated to take three EDMS practical modules.

Note also that doctoral students from the Schoonjans laboratory cannot take this course.

Access is limited to 4 students. Takes place every year in January.

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/>

