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/