

BIO-640

**Practical - Van der Goot Lab**

van der Goot Gisou

Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Project report
Workload	30h
<b>Hours</b>	<b>24</b>
Courses	6
TP	18
<b>Number of positions</b>	<b>3</b>

**Frequency**

Every 2 years

**Remark**

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

**Summary**

Membrane organization. Investigate the compartmentalisation of biological membranes: what are the determinants of the localization of transmembrane proteins in the 2 dimensional space of the membranes?

**Content**

Introduction, isolation of membrane domains (tissue culture, subcellular fractionation, SDS-PAGE, western blotting), cellular localization of membrane proteins (immunofluorescence).

**Note**

Note that while the course is open to all 1st year EPFL doctoral students, priority will be given to EDMS students, given that they are mandated to take three EDMS practical modules. Note also that doctoral students from the van der Goot laboratory cannot take this course. Access is limited to 3 students.

**Learning Prerequisites****Recommended courses**

Basic knowledge of cellular and membrane biology.

**Resources****Websites**

- <http://vdg.epfl.ch/>