

BIO-677

Practical - Hantschel Lab

Hantschel Oliver

Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Oral
Workload	30h
Hours	24
Courses	6
TP	18
Number of positions	3

Frequency

Every year

Remark

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

Summary

Kinases in Leukemias and Lymphomas. The students will obtain theoretical and practical insight into the diverse roles that protein kinases have in driving different leukemias and lymphomas and how they can be targeted.

Content

The course will start out with a lecture and a discussion on regulation and mechanisms of de-regulation of protein kinases in cancer. Furthermore the growing role of kinase-inhibiting drugs in oncology and its associated problems that included the development of resistance, will be discussed.

In the practical part of the course the students will learn different methods how to assay the activity of protein kinases and how to determine the potency of different protein kinase inhibitors.

Note

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

Keywords

Leukemia, kinase inhibitors, enzymatic assays.

Learning Prerequisites**Recommended courses**

Basic biochemistry.

Resources**Websites**

- <http://hantschel-lab.epfl.ch>