

BIO-638

Practical - Lemaitre Lab

Lemaitre Bruno

Cursus	Sem.	Type
Molecular Life Sciences		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Project report
Workload	30h
Hours	24
Courses	6
TP	18
Number of positions	2

Frequency

Every 2 years

Remark

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

Summary

Drosophila immunity. Give students a feel for some of the approaches pursued to understand mechanisms underlying cell division innate immunity in Drosophila.

Content

Students will learn how to use Drosophila to dissect host-pathogen interactions. Lab work will include survival analysis using wild-type and mutant fly stocks, antimicrobial peptide gene expression using RT-qPCR or reporter genes, methods to infect flies...

<http://lemaitrelab.epfl.ch/>

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 EDMS practical modules. Note also that doctoral students from Lemaitre laboratory cannot take this course. Access is limited to 2-3 students (exceptionally 4 students can attend).

Keywords

Drosophila, innate immunity, infection, gut immunity.

Resources**Websites**

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