

BIO-638

Practical - Lemaitre Lab

Lemaitre Bruno

| Cursus | Sem. | Type |
|-------------------------|------|------|
| Molecular Life Sciences | | Obl. |

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

Frequency

Every year

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

Please note that you are not allowed to inscribe in your own group!

Note that 3 practical courses are mandatory for all EDMS students and that they have the priority; each course has between 2 to 4 possible slots.

Therefore, please do not register by yourself to this course, this will be done by the EDMS program administrator!

Keywords

Drosophila, innate immunity, infection, gut immunity.

Resources**Websites**

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