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/