

BIO-617

**Practical - Gönczy Lab**

Gönczy Pierre

<b>Cursus</b>	<b>Sem.</b>	<b>Type</b>
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>2</b>

**Frequency**

Every 2 years

**Remark**

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

**Summary**

Give students a feel for some of the approaches pursued to understand mechanisms underlying cell division processes, primarily in *C. elegans* embryos but also in other systems, including human cells in culture.

**Content**

Students will conduct experiments (time-lapse microscopy, indirect immunofluorescence microscopy, ...) that should allow them to formulate a reasonable hypothesis about the function of a mystery gene that will be assigned to them.

**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 the Gönczy laboratory cannot take this course. Access is limited to 4 students.

**Keywords**

Cell division, *C. elegans*, human cells, developmental biology, genetics, functional genomics.

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

None

**Resources****Websites**

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