

BIO-667

Practical - Huelsken Lab (EDMS)

Huelsken Joerg

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

| | |
|----------------------------|-------------------|
| Language of teaching | English |
| Credits | 1 |
| Session | |
| Exam | Oral presentation |
| Workload | 30h |
| Hours | 20 |
| Courses | 8 |
| Exercises | 2 |
| TP | 10 |
| Number of positions | 4 |

Frequency

Every year

Remark

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

Summary

Assessment of signaling mechanisms in cancer. The objectives of the course are: - to understand the importance of signaling and cell-cell interactions in cancer stroma interactions - to learn techniques involved in assessing the function of such interactions in vitro and in vivo.

Content

Basics of major signaling pathways, experimental assays to detect pathway activity in vitro and in vivo and approaches to identify signaling mechanisms at various levels.

Practical part:

- Preparation of primary cell cultures and viral transduction.
- Detection of signaling activity in situ and in vitro using reporter constructs and localization of signaling components.

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!

Resources**Websites**

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