PhD Program in Cancer Biology

University of Zurich
c/o Institute of Molecular
Cancer Research
Winterthurerstrasse 190
CH-8057 Zurich
Phone: +41 44 635 34 52
http://www.cb.uzh.ch

# Mechanisms of cancer induction and progression 2024

# Metastasis

### Instructors

Prof. Lubor Borsig

Institute of Physiology
University of Zurich
Winterthurerstrasse 190
8057 Zurich
lborsig@access.uzh.ch

Prof. Maries van den Broek

Institute of Experimental Immunology
University of Zurich
Winterthurerstrasse 190
8057 Zurich
vandenbroek@immunology.uzh.ch

**Date** Monday, June 17, 2024

**Course venue** Irchel Campus, Y13 M-12

### General outline

- 09.00-10.30: Principles of metastasis
- 10.30-11.45: Research example: Tumor microenvironment and immune cells regulate metastasis
- 11.45-14.00: Lunch and Manuscript Reading
- 14.00 : Colloquium on Metastasis based on two articles

### Learning outcomes

After this day the students understand and should be able to explain:

- Different steps of metastasis
- Epithelial-to mesenchymal transition
- Metastatic and pre-metastatic niche
- The impact of hematopeotic cells on metastasis development

**Articles for the colloquium**:

https://pubmed.ncbi.nlm.nih.gov/33398162/

https://pubmed.ncbi.nlm.nih.gov/37769657/