



University of  
Zurich<sup>UZH</sup>

**ETH** zürich

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 2023

## Metastasis

### Instructors

Prof. Lubor Borsig

Institute of Physiology  
University of Zurich  
Winterthurerstrasse 190  
8057 Zurich  
[lborsig@access.uzh.ch](mailto:lborsig@access.uzh.ch)

Prof. Maries van den Broek

Institute of Experimental Immunology  
University of Zurich  
Winterthurerstrasse 190  
8057 Zurich  
[vandenbroek@immunology.uzh.ch](mailto:vandenbroek@immunology.uzh.ch)

**Date** Tuesday, June 20, 2023

**Course venue** Y27-H-28

### 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 hematopoietic cells on metastasis development

### Articles for the colloquium:

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

<https://www.ncbi.nlm.nih.gov/pubmed/30728496>