



Module D - Cancer treatments 2023

Precision Oncology:

- targeted and immuno-therapy in cancer patients
- clinical decision-making in the era of omics technologies and big data

Instructors

Prof. Andreas Wicki	Department of Medical Oncology and Hematology
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Date Friday, September 29, 2023

Course venue University Hospital Zurich (USZ), Kurszimmer OST, HOER B 15

General outline

09:00 – 12:00 lectures

09-10 h	Novel molecular pathologies in Cancer	N. Miglino
10-11 h	Overview: Targeted and Immunotherapies in Cancer	A. Wicki
11-12 h	Spotlight on Checkpoint-Inhibitors: effects and side-effects	B. Gosztanyi

12:00 – 13:00 *lunch break*

13:00 – 15:00 Research Programs in Precision Oncology

13 – 14 h	Big data in clinical decision-making	L. Boos
14 – 15 h	PHRT LiMaC project: Circulating tumor cells & ctDNA	A. Ring

Learning outcomes

Students will

- learn the functional basis for targeted and immunotherapies in clinical cancer care.
- get to know the most common classes of actual targeted and immunotherapy agents and their side-effects.
- acquaint themselves with specific aspects of predicting and managing immune-checkpoint inhibitors in cancer patients.
- understand the aims and methods of a few exemplary Precision Oncology Programs of the University of Zurich and the ETH Zurich.