



Module D – Cancer Treatments 2026

Precision Oncology:

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

Instructors

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

General outline

10:00 – 13:00: New Treatments and Precision oncology

10-11h	Tumor Profiler: The Making of a Precision Oncology Program	N. Miglino
11-12h	AI-Driven Biomarker Discovery and Treatment Selection from Spatial Omics	L. Klein
12-13h	Overview: Targeted and Immunotherapies in Cancer	A. Wicki

13h– 14h *lunch break*

14:00 – 16:00: AI and Drug Approvals in Oncology

14-15h	Oncology and AI	Z. Balazs
15-16h	From Trials to Drug Approvals in Oncology	P. Rahimzadeh



Learning outcomes

Students will

- receive an overview of the key aspects involved in setting up innovative precision oncology programs at the University of Zurich and the ETH Zurich
- learn the functional basis for targeted and immunotherapies in clinical cancer care
- learn about the drug approval process specific to oncology
- get an introduction to innovative big data applications to support clinical decision-making in precision oncology