University of Zurich[UZH] | ETH zürich

PhD Program in Cancer Biology

University of Zurich
c/o Institute of Molecular
Cancer Research
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Mechanisms of cancer induction and progression 2024
Oncogenes and Tumor Suppressor Genes

Course coordinator

PD Dr. Beat Bornhauser

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Date Tuesday June 18, 2024

Venue Balgrist Campus, Lengghalde 5, 8008 Zürich
https://www.google.com/maps/place/Balgrist+Campus+AG/@47.3524877,8.5717351,17z/data=!3m1!4b1!4m6!3m5!1s0x479aa7251ead3aff:0x73dde95360a3c88a!8m2!3d47.3524841!4d8.5743154!16s%2Fg%2F11cnd570xd

Course outline

09.00 - 12.30 Lectures
12:30 – 14:00 Lunch
14.00 - 16.00 PBL “from bench to bedside”

Lectures

09:00 - 09:30	Beat Bornhauser	Targeting BCL2 – from concept to clinical experience
09:30 - 10:00	Didier Surdez	Balancing oncogene and tumor suppressor activity through 3D genome organization mechanisms
10:00 - 10.30	Marco Wachtel	Towards novel therapies for childhood sarcoma
Break		
11:00 - 11:30	Martin Baumgartner	Pro-invasive signaling in medulloblastoma
11:30 - 12:00	Javad Nazarian	Personalized therapy in the era of genomics
12:00 - 12:30	Nastassja Scheidegger	Oncogenic signaling pathways: their role in leukemia and how they can be targeted
Lunch break		
14:00 - 16:00	**“From bench to bedside”:** A real-world problem based learning exercise, to provide a personalize therapy strategy for an oncogene-driven tumor.	

Learing outcomes The students are expected to be able:

- to read and interprete a clinical INFORM datasheet
- to identify key problems to be addressed/solved using current laboratory approaches.
- to design experiments to validate efficacies of specific targeting of oncogene functions