

Cancer Summer Course 2023, FROM CONCEPTS, BIG DATA TO THERAPIES, Sept 4-7, 2023

Organizers: Monika Hegi, Tatiana Petrova, Johanna Joyce, François Kuonen

	Monday Sept 4	Tuesday Sept 5	Wednesday Sept 6	Thursday Sept 7
Morning	Session 1	Session 3	Session 5	Session 7
8:45 to 9:45 Lecture	Doug Hanahan EPFL douglas.hanahan@epfl.ch The Hallmarks of Cancer	François Kuonen CHUV-UNIL Francois.Kuonen@chuv.ch Cancer plasticity and resistance to therapy	Fernanda Herrera CHUV-UNIL Fernanda.Herrera@chuv.ch Radiation & Onco-Immunology	Cathrin Brisken EPFL cathrin.brisken@epfl.ch Endocrine control mechanisms in breast cancer
Break				
10:00 to 12:00 Career discussion & discussion 2 papers	Group 1 presentation: Paper 1 Paper 2	Group 3 presentation: Paper 5 Paper 6	Group 5 presentation: Paper 9 Paper 10	Group 7 presentation: Paper 13 Paper 14
	Session 2	Session 4	Session 6	Session 8
12:15 – 13:15 Lecture Open to public	Raphael Gottardo CHUV-UNIL-SIB raphael.gottardo@chuv.ch Using single-cell and spatial analyses for cancer research	Sebastian Waszak EPFL waszak.sebastian@gmail.com Germline vs somatic mutations: commonalities, distinctions, and interplay in cancer	Ziad Al Nabhani Bern University Hospital ziad.alnabhani@unibe.ch Host-Microbiome interactions, and implications for cancer progression and therapy	Lunch Lukas Sommer (Grace Lecture)
13:15 – 14:15	Lunch	Lunch	Lunch	Miki de Palma EPFL michele.depalma@epfl.ch Research Integrity & Ethics (not public)
14:15 - 16:30 Career discussion & discussion 2 papers	Group 2 presentation: Paper 3 Paper 4	Group 4 presentation: Paper 7 Paper 8	Group 6 presentation: Paper 11 Paper 12	Group 8 presentation: Paper 15 Paper 16
16:30 – 17:00				Final discussion

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Course description

- This is an intensive, **4-day course** on the topic of new perspectives in cancer biology and therapy intended for PhD-, MD-PhD-students and MD students at the Master level.
- The course includes thematic lectures given by principal investigators/invited speakers who also act as tutors.
- The participants prepare presentations on research papers in journal club format. The research papers will be selected by the tutors and will be given to the participants beforehand.
- The presentations (15 min power point presentation) will be prepared in small groups of 2 participants per paper before the course. The students will have to coordinate the preparation of their presentations with the assigned group members. The goal is to have an interactive session inciting interesting discussions. Each student will have to present a part of the assigned paper.
- All students have to be familiar with all research papers and are expected to actively participate in the discussions. To ensure a well-informed discussion each student has to submit at least one written question for each research paper. These questions will be collected prior to the course and issues raised will be addressed.
- At registration the participants can indicate 3 topics of preference, based on the program. We will respect the choices as good as possible.
- Lectures and discussions are in English.
- The course will be held **in person**. Lectures and discussions are in English and are held at the Center for Immunity and Infection Lausanne (CIIL), Epalinges in Room B301 (at the main entrance of the Centre de Laboratoires d'Epalinges, chemin des Boveresses 155).
- Attendance of all lectures and journal club discussions are mandatory. A sign-up sheet will be circulated each day; it is the student's responsibility to ensure that they sign it as proof of attendance. In case of absence, students have to notify the organizers in advance.

Number of credits: 2.5 ECTS (among these 2 are tutorials). A maximum of 30

- participants will be accepted, on a first come basis, with priority to UNIL, EPFL and UNIGE students.
- **Please check the number of ECTS with your specific PhD programme if**

you are not a PhD student at the FBM, UNIL!