



SWISS
CANCER
CENTER

LEMAN

PROGRAM

13TH FACULTY & STAFF ANNUAL RETREAT

SWISS CANCER CENTER LEMAN

sponsored by ISREC Foundation

September 26 & 27, 2024
SwissTech Convention Center



THURSDAY 26 SEPTEMBER

08:20 – 08:50 WELCOME COFFEE

8:50	WELCOME REMARKS: David Gfeller
9:00-10:15	SOMMET DU MOLÉSON Chair: Benita Wolf
9:00	Immune regulation of CCR7+ dendritic cells at tumor sites. Zitti Béatrice , <i>Mikael Pittet group, UNIGE</i> .
9:15	CytoxPred: an AI-based computational method to predict cancer cell lines sensitivity to cytotoxic compounds. Cuozzo Alessandro , <i>Vincent Zoete group, UNIL</i>
9:30	Unraveling the molecular basis of cross-reactivity in TCR epitope recognition. Liu Yan , <i>David Gfeller group, UNIL</i>
9:45	Wounding triggers invasive progression in human basal cell carcinoma. Yerly Laura , <i>François Kuonen group, CHUV</i>
10:00	Pharmacological modulation by BTK inhibitor induces the upregulation of CD19 and increases sensitivity to CAR T cells in B cell lymphomas. Wang Sisi , <i>Federico Simonetta group, UNIGE</i>

10:15 – 11:00 COFFEE BREAK

11:00-12:15	SOMMET DU MONT-TENDRE Chair: Josep Garnica
11:00	FMRP Upregulation in Cancer: Implicating FMRP-expressing Cancer-Associated Fibroblasts in Immune Evasion. Yucel Simge , <i>Douglas Hanahan group, EPFL</i>
11:15	Targeting ferritinophagy impairs quiescent cancer stem cells in acute myeloid leukemia in vitro and in vivo models. Larrue Clément , <i>Tamburini Jerome group, UNIGE</i>
11:30	Engineering human hematopoietic stem and progenitor cells as a cellular therapy to reprogram the myeloid compartment of solid cancers. Faria Carla , <i>Bernhard Gentner group, CHUV</i>
11:45	Transcription–replication conflicts underlie sensitivity to PARP inhibitors. Petropoulos Michalis , <i>Thanos Halazonetis group, UNIGE</i>
12:00	Rationally designed CD70 CARs against acute myeloid leukemia. Que Tiffany , <i>Caroline Arber group, UNIL/CHUV</i>

12:15 – 13:30 LUNCH

12:15-15:00	POSTER SESSION
15:00-16:15	SOMMET DU ROCHER DE NAYE Chair: Weilin Li
15:00	Circadian immune cell dynamics in the tumor microenvironment Zeng Qun , <i>Christoph Scheiermann group, UNIGE</i>

15:15	Nonsense-mediated mRNA decay inhibition via Smg6 triggers adaptive and innate immune responses through distinct mechanisms and prevents hepatocellular cancer development Arpa Enes Salih , <i>David Gatfield group, UNIL</i>
15:30	Impaired function of CD8+ T cells under acidic conditions is associated with a lowering in IL-2 responsiveness, c-Myc levels and mTORC1 signaling. Vuillefroy de Silly Romain , <i>Melita Irving group, Ludwig Institute for Cancer Research.</i>
15:45	Modulation of Activin-A processing by allosteric disulfide bonds and their role in regulating melanoma growth. Bulliard Manon , <i>Daniel Constam group, EPFL</i>
16:00	Mitochondrial rearrangement driven by cardiolipin depletion enhances drug resistance in lung adenocarcinoma. Falco Simone , <i>Georgia Konstantinidou group, UNIBE</i>

16:15 - 17:00 COFFEE BREAK

17:00-17:45	KEYNOTE SPEAKER Chair: Michelle de Palma
17:00	Towards rational combination therapies: Understanding tumor evolution during therapy response and resistance. Stefani Spranger , <i>Koch Institute for Integrative cancer Research and Ludwig Center at Massachusetts Institute of Technology</i>

17:45 – 20:00 COCKTAIL DINATOIRE

FRIDAY 27 SEPTEMBER

08:45 – 09:00 WELCOME COFFEE

9:00-10:30	SOMMET DU SALÈVE Chair: Daniel Tadros
9:00	Insights into the mechanism of action of a withanolide derivative in multiple myeloma. Zingg Albane , <i>Muriel Cuendet group, UNIGE</i>
9:15	Redefining Cell Types and States through Single-Cell Omics. Garnica Josep , <i>Santiago Carmona group, UNIL/CHUV</i>
9:30	Aiding and aBETting metastasis: Epigenetic-driven awakening in ER+ breast cancer. Quinn Hazel , <i>Cathrin Brisken group, EPFL</i>
9:45	Development of Methotrexate Nanoparticles for the treatment of Gestational Trophoblastic Neoplasia. Boukaoui Doha , <i>Marie Cohen group, UNIGE.</i>
10:00	Unlocking NK cell potential in hematological cancers through modulation of PSMB9 Kasapoglu Asli , <i>Elisa Oricchio group, ISREC EPFL</i>
10:15	Minor intron splicing is critical for survival of lethal prostate cancer. Augspach Anke , <i>Mark Rubin group, UNIBE</i>

10:30 – 11:00 COFFEE BREAK

11:00-13:15 POSTER SESSION

12:00 – 13:15 LUNCH

13:15-15:15 SOMMET DU MONT-BLANC
Chair: Evangelia Bolli

13:15	Sensitive neoantigen discovery by real-time mutanome-guided immunopeptidomics Shapiro Ilja , Michal Bassani-Sternberg group, UNIL/CHUV
13:30	Impact of surgery on the use of immune checkpoint inhibitors against hepatocellular carcinoma. El Hajji Sofia , Christian Toso group, UNIGE
13:45	Proteomic profiling of diffuse midline glioma for improved therapeutic decision making Izac Findlay , Sebastian Waszak group, EPFL
14:00	Stromal reprogramming and arterial Notch signaling inhibition drive TLS neogenesis during anti-angiogenic immunotherapy Mahfoud Samantha , Tatiana Petrova group, UNIL

14:15 – 14:30 SHORT BREAK

14:30	Targeting the Wnt pathway with selective FZD inhibitors in TNBC and colorectal cancer. Poinot Hélène , Vladimir Katanaev group, UNIGE
14:45	Investigating the niche of drug-tolerant tumor-repopulating cells to eradicate residual disease in BRCA1;p53-deficient mammary tumors Decollogny Morgane , Sven Rottenberg group, UNIBE
15:00	Engineering of mechanically reinforced adoptive T-cell therapies Bonati Lucia , Li Tang group, EPFL

15:15 – 15:30 SHORT BREAK

15:30 BEST TALK & POSTERS AWARDS: Douglas Hanahan

15:45 CLOSING REMARKS: David Gfeller

