

Summer Course in Molecular and Clinical Oncology :
From disease to mouse models and back

September 5th to 10th September 2011 – Room B301, Epalinges
Organizer : Paolo DOTTO, Department of Biochemistry/UNIL

Mon 5 Sept	
08:15	Introductory remarks, overview
08:30 - 12:00	<p>Tutors : Maryse Fiche, CHUV, and Cathrin Brisken, EPFL - Tumor type: Breast Cancer</p> <p>First part: <i>Clinical aspects</i></p> <ol style="list-style-type: none"> 1. <i>Ilana Reinhold</i> Case 1 : a case of Luminal type Breast Cancer (BC) 2. <i>Irene Vassallo</i> Case 2 : a case of HER2 positive BC 3. <i>Sophie Mercati</i> Case 3 : a case of Triple Negative BC <p>Second part: <i>Basic aspects</i></p> <ol style="list-style-type: none"> 4. <i>Yan Agalarov</i> The biological heterogeneity of BC : profiling 5. <i>Maria Oikonomaki</i> The biological basis of hormonal therapy 6. <i>Viktoria Reinmuller</i> The biological basis of anti-HER2 therapy
12:00 - 14:00 L u n c h	
14:00 - 17:30	<p>Tutors : Monika Hegi, Roger Stupp, and Benoît Hermitte, CHUV -Tumor type: Brain Tumors</p> <ol style="list-style-type: none"> 1. Simone Ragusa, Introduction and classification of brain tumors, epigenetics 2. Jianpin Cheng, GBM tumor genetics and mechanisms with animal models 3. Tanja Bhuiyan, Clinical research and treatment, Biomarkers 4. Premnath Rajakannu, future of GBM therapy, EGFR, mTOR and other targets 5. Nicolas Flückrigler, Clinical case of a GBM patient
Tue 6 Sept	
08:30 - 12:00	<p>Tutors : Paolo Dotto, DB/UNIL, Solange Peters, CHUV and Etienne Meylan, EPFL -Tumor Type : Lung Cancer</p> <ol style="list-style-type: none"> 1. Etienne Meylan / Solange Peters : introduction 2. Marie Khavam : Clinical case report 3. Giusy Procopio : NF-kB signaling and synthetic lethality 4. Elena Menietti : EGFR signaling and targeted therapies 5. DongEun Kim : p53 signaling and tumor progression
12:00 - 14:00 L u n c h	
14:00 - 17:30	<p>Tutors : Tatiana Petrova, DB/UNIL and Olivier Dormond, CHUV -Tumor Type : Colon Cancer</p> <ol style="list-style-type: none"> 1. Ricardo Martin. <i>Introduction to Wnt signaling in colon cancer and intestinal stem cells.</i> 20-25 min 2. Fang Zhou. <i>Intestinal stem cells in colon cancer.</i> 20-25 min 3. Mark Masin. <i>Introduction to colon cancer and inflammation.</i> 20-25 min 4. Manuel Coutaz. <i>Colon cancer and inflammation.</i> 5. Valery Monnet. <i>CRC pathology and treatment.</i> Introduction by Olivier Dormond. Case report, current treatment approaches and future development in CRC treatment.
Wed 7 Sept	
10:00 - 11:30	<p>Lecturer: Napoleone Ferrara (Genentech)</p> <p>-A retrospective and present and future perspectives of angiogenesis research and related clinical applications</p>
12:00 - 14:00 L u n c h	
14.00-15.00	The two following lectures at the CIG, Room 2019
15.00-16.00	<p>Keith Harshman, UNIL/CIG medical technologies</p> <p>Mauro de Lorenzi, UNIL/CIG</p>

17 :00	medical bioinformatics ISREC Symposium 2011, EPFL
Thu 8 Sept Fri 9 Sept Sat 10 Sept	ISREC Symposium 2011 Hallmarks & Horizons of Cancer See program http://isrec2011.epfl.ch SV1717a is open to all, without registration to watch the conference.

Registration to Simine.Aslan@unil.ch : Registration deadline 20th May 2011

Lectures for the first part of the week are held in Epalinges in room B301. For the early afternoon of Sept. 7th lectures will be at the CIG (Dorigny), for the rest, lectures will be at EPFL.

Attendance to all lectures and ISREC symposium is considered part of the course and is therefore mandatory for the students. A sign-up sheet will be circulated each session; it is the students' responsibility to ensure that they sign it as proof of attendance. If they cannot do so, for example, because of a scientific meeting etc., they should notify the organizers in advance. A student who misses more than one session will be considered to have failed the course.

Students are required to : 1) give a lecture on the assigned topic; 2) read the suggested reading material and participate actively in the discussions for the rest of the students' lectures; 3) attend the ISREC symposium, taking notes of each of the presentations; 4) participate in a follow-up meeting after the symposium and be prepared to comment/discuss topics presented at the meeting.