

CIS-IMIC CAS SUMMER SCHOOL PROGRAM

12 July 2023

- 13:00-16:00 REGISTRATION
- 16:00-16:15 Welcome and information on the school
- 16:15-17:10 Luca Vannucci* -Tumor microenvironment and inflammation: an introduction/Remembering Prof. Roni Apte
- 17:10-17:30 Karel Smetana* - The NUVR project in CZ
- 17:30-17.50 Discussion
- 17:50-18:15 Free time
- 18:15-21:00 Welcome raut

* NUVR lectures

13 July 2023

- 9:00-9:40 Karel Smetana - Cancer-associated fibroblasts as an important element of tumour microenvironment
- 9:40-10:20 Viktor Umansky - Immunosuppression in tumor microenvironment mediated by MDSC and its neutralization
- 10:20-10:30 DISCUSSION
- 10:30-10:45 coffee break
- 10:45-11:25 Antonio Sica - Metabolic features of suppressor myeloid cells in cancer bearers
- 11:25-12:05 Blanka Rihova - Participation of ICI inhibitors in antitumor therapy and TMA remodeling
- 12:05-12:20 DISCUSSION
- 12:20-13:45 lunch
- 13:45-14:25 Jirina Bartunkova - Tumor microenvironment in ovarian cancer: impact on the immunotherapy outcome
- 14:25-15:05 Graham Pawelec - Ageing and the human immune system in the era of immunomodulatory antibody therapy for cancer: is it all downhill?
- 15:05-15:20 DISCUSSION
- 15:20-15:35 coffee break

- 15:35-16:10 BD lecture: Ondrej Pelak - Expanding your T cell research with confidence
- 16:10-16:20 QUESTIONS
- 16:20-17:30 Activity: BD demonstration
- 17:30-18:00 Free time
- 18:00-19:00 POSTER SESSION
- 19:00-21:00 Dinner

14 July 2023

- 9:00-9:40 Daniel Smrz - Beyond the tumor microenvironment: the path to effective cell-based immunotherapy of solid tumors
- 9:40-10:20 Paul Lehmann - Monitoring self/tumor antigen-specific memory B cells in circulation, and in the tumor microenvironment
- 10:20-10:30 DISCUSSION
- 10:30-10:45 coffee break
- 10:45-11:25 Daniel Hadraba - Light microscopy and other tools for studying TME
- 11:25-12:05 Gennaro Ilardi/Francesco Merolla - A computational approach for tumor microenvironment characterization.
- 12:05-12:20 DISCUSSION
- 12:20-13:45 lunch
- 13:45-14:25 Angel Porgador - Immunotherapy of cancer: are we already there
- 14:25-15:05 Marek Stast'ny - 7 surprises related to cancer immunotherapy with checkpoint inhibitors
- 15:05-15:20 DISCUSSION
- 15:20-15:35 coffee break
- 15:35-16:45 Brainstorming!
- 16:45-19:00 Free time (excursion in Nove Hradky village)
- 19:00-21:00 Dinner

15 July 2023

- 9:00-9:40 CTL lecture: Stephen Todryk - Detecting rare antigen-specific T cells by ImmunoSpot®: measuring their frequency, affinity, and effector lineage.

- 9:40-9:50 Discussion of T cell immunodiagnostic
- 9:50-12:30 Activity: CTL workshop on ELISPOT (short coffee break in an intermission):
- 9:50 -10:30 Greg Kirchenbaum (Recorded): Detecting rare antigen specific B cells by ImmunoSpot®: measuring their frequency, affinity, and the class/subclass of immune globulin they express.
- 10:30 -10:40 Discussion of B cell immunodiagnostic.
- 10:40 -11:20 Alexey Karulin (Recorded): Principles of objective multicolor ImmunoSpot® analysis
- 11:20 -11:30 Discussion of ImmunoSpot® analysis
- 11:30-12:20 Csaba Mershdorf: Live ImmunoSpot® analysis
- 12:20-13:40 Lunch - Farewell