

SUMMER SCHOOL „TUMOR MICROENVIRONMENT AND IMMUNITY“ 2025

24 June 2025

REGISTRATION

Luca Vannucci

Tumor microenvironment and inflammation: an introduction

Karel Smetana and Luca Vannucci

The NUVR project in CZ

Karel Smetana

Cancer and wound repair mechanisms

NN COMPANY PRESENTATION

25 June 2025

Daniel Smrř

Solid Tumor Resistance to Cancer Cellular Immunotherapy

Viktor Umansky

Generation of myeloid-derived suppressor cells (MDSC) and their targeting in cancer

Blanka řihová

Participation of ICI inhibitors in antitumor therapy and TMA remodeling

Marek Kovář

Modulating the biological activity of IL-2 and IL-15 through engineering of immunocytokines for efficient cancer immunotherapy

Graham Pawelec

Peripheral Immune cell dynamics predicting clinical responses to checkpoint blockade in melanoma

Francesco Merolla/Gennaro Ilardi

A practical demonstration of QuPath use for histopathology image analysis (from a computational pathologist perspective)

Antonio Sica

Immunometabolic traits of myeloid suppressor cells

Daniel Hadraba

Method for the spatial analysis of the tumor microenvironment

POSTER SESSION

26 June 2025

TBA

TBA

Miloslav Kverka

How microbiota shape the tumor microenvironment

Marek Štátný

Anti-PD1 therapy of cancer: clinical challenges and opportunities

David Vondrásek

Advanced Optical Microscopy in Cancer Research

ELISPOT WORKSHOP:

Paul Lehmann (recorded)

B cell ImmunoSpot assays can be readily validated - why that is exciting news for anyone attempting immune monitoring

CTL lecture and mini-course: Stephen Todryk

Monitoring specific T cell responses in cancer using ImmunoSpot

Activity: Stephen Todryk and Piotr Kirakowski:

"Live demonstration of ImmunoSpot analyzer"

Greg Kirchenbaum (Recorded):

Detecting rare antigen-specific B cells by ImmunoSpot: Measuring their frequency, affinity and Ig class/subclass usages

27 June 2025

Emanuele Lacca

Ethics and biomedicine

NN Company activity/presentation

PANEL DISCUSSION:

Immunity and cancer new horizons : linking biological mechanisms to physics of 3D interactions

Conclusion and farewell