

**1-4 JULY 2026. CIS-MBU SUMMER SCHOOL -Tumor microenvironment and immunity  
Nove Hradý in South Bohemia (CZ)  
Venue: Castle of Nove Hradý**

PROGRAM

**1 July 2026**

- 13:00-15:00 REGISTRATION
- 15:00-15:15 Welcome and information on the school. Memory of Prof. Isaac Witz (Luca Vannucci)
- 15:15-16:00 Presentation of the participants: who is who?
- 16:15-16:30 Coffee break
- 16:30-17:10 **Luca Vannucci** -Tumor microenvironment and inflammation: an overview
- 17:10-17:50 **Karel Smetana** - Cancer and wound repair mechanisms
- 17:50-18:00 Discussion
- 18:00-18:45 **Miloslav Kverka** - How microbiota shape the tumor microenvironment
- 18:40-21:45 Welcome raut

**2 July 2026**

- 9:00-9:40 **Antonio Sica** Immuno-metabolic traits of myeloid suppressor cells
- 9:40-10:20 **Viktor Umansky** - Generation of myeloid-derived suppressor cells (MDSC) and their targeting in cancer
- 10:20-10:30 DISCUSSION
- 10:30-10:45 coffee break
- 10:45-11:45 **ROUND TABLE: Blanka Rihova - Angel Porgador - Adriana Albini - Aleks Sedo** -From the bed to the bench and back: open questions and new perspectives in immuno-oncology

- 11:45-12:30 **Adiana Albini** - Food, cancer and immunity
- 12:30 -13:45 lunch
- 13:45-14:30 **Daniel Smrz** - Resistance of Solid Tumors to Cellular Immunotherapy and the Emergence of Immunotherapy-Driven Chemoresistance
- 14:30-15:00 **Keyence Digital microscopes**
- 15:00-15:50 **Demonstration**
- 15:50- 16:30 **Aleksi Sedo** – [title in definition \(glioblastoma\)](#)
- 16:30 - 16:40 coffee break
- 16:40 - 17:10 **Jan Kriz** - What AI is and how to use in biological study and research?
- 17:10 - 17:40 **OPEN DISCUSSION ON AI AND BIG DATA INFORMED RESEARCH (Kriz, Merolla, Sica)**
- 17:40-18:20 **Francesco Merolla/Gennaro Ilardi** - A practical demonstration of QuPath use for histopathology image analysis (from a computational pathologist perspective)
- 18:20-18:50 Free time
- 18:50 - 19:30 **POSTER SESSION**
- 19:45-22:00 Dinner in the garden (with live music)

### **3July 2026**

- 9:00-9:30 **Daniel Hadraba** - Method for the spatial analysis of the tumor microenvironment
- 9:30-10:00 **Simon Vrana** – From Stiffness to Signaling: Imaging Tumor Mechanics in Immuno-Oncology..
- 10:00-10:30 **David Vondrasek** – Intravital Imaging of Mammary Gland Using Flexible Optical Window.

10:30-10:40 coffee break

**10:40-11:10** COMPANY PRESENTATION - ADVANCED MICROSCOPY AND MULTIPLEXING SYSTEMS FOR TISSUE ANALYSIS (**DYNEX-Standard BioTools**)

**11:10-11:40** PRACTICAL DEMONSTRATION

11:40 -12:15 **PANEL DISCUSSION:** New horizons in imaging techniques for cancer and immunity research: back from the future (**Hadraba, Vondrasek, Merolla, Dynex/Standard BioTools, Ilardi**)

12:00-13:30 lunch

**13:30-14:00** COMPANY PRESENTATION (**SOTIO**) **Lenka Palova Jelinkova:** What does it mean to develop a new targeted drug for treatment of cancer

14:00-14:10 DISCUSSION

14:10-14:50 **Paul Lehmann** (recorded)- B cell ImmunoSpot assays can be readily validated - why that is exciting news for anyone attempting immune monitoring

14:50 -15:20

15:20 -15:30 coffee break

15:30-16:10 **Angel Porgador** : Tumor microenvironment and immunity: where we are

16:10-16:50 **Amiram Ariel** -Controlling STING signaling to limit inflammation and fibrosis while promoting cancer immunotherapy.

16:50-17:00 Discussion

16:00 - 19:00 Free time: meet the expert and walking through Nove Hradky village

19:00 - 22:00 Dinner and tombola

#### **4 July 2026**

9:00-9:40 **OPEN AIR DISCUSSION (terrace)** WITH **Emanuele Lacca** - Ethics in Scientific Research. For a Dialogue Between Sciences

9:40 - 10:30 Selected abstract presentation, discussion and awards

10:30-10:40 Coffee break

10:40 - 11:20 **Final meeting (interactive between students and whole panel of speakers):** To be a young immuno-oncologist today: expectations and experiences

11:20 -11:30 Conclusion remarks (Luca Vannucci)

11:40 - 13:00 Lunch, Farewell