



IMMUNO-model Second Annual Conference

From Pre-clinical Models to the Search for Biomarkers in Immuno-Oncology



PROGRAM

May 13th - 15th, 2024
Bratislava, Slovakia

<https://immuno.sav.sk/>



Network: HubHub Guests
Password: amazingspace



Book of Abstracts

MONDAY, May 13th, 2024

Venue:

Biomedical Research Center, Slovak Academy of Sciences, Dubravská cesta 9, Bratislava

14:00 – 18:30 **CORE GROUP MEETING** (only for Core group members)

TUESDAY, May 14th, 2024

Venue:

HubHub, Twin City C, Mlynske nivy 7816/14, Bratislava

08:00 – 08:30 **REGISTRATION**

08:30 – 08:45 **CONFERENCE WELCOME**

Silvia Pastorekova General Director of the Biomedical Research Center of the Slovak Academy of Sciences

Eva Martinez Balibrea IMMUNO-model COST Action Chair

08:45 – 09:30 **OPENING KEYNOTE LECTURE**

Leticia Oliveira-Ferrer

IO-Resp: A collaborative project for prediction of treatment response to immunological agents in ovarian cancer

09:30 – 10:45 **SCIENTIFIC SESSION WG1**

Chairs: Hanne Haslene-Hox, Lucia Kucerova

Bruno Sarmento

Multicellular 3D immunospheroid models for preclinical development of nanomedicines

Marcin Krzykawski

Novel 3D Cell Culture Models for Immuno-Oncology studies

Uzma Hasan

Functional and spatial analyses of patient-derived tumor fragments to dissect response and resistance mechanisms ex vivo to immune checkpoint inhibitors in cancers

10:45 – 11:15 **COFFEE BREAK with Poster session WG1 + WG2**

11:15 – 12:00 **SELECTED ABSTRACTS**

Ana Mitrovic

Inhibition of cathepsins B and X as an approach to impair cancer stem cells

Marta Maleszewska

Epigenetic inhibitors as potential agents modulating immune response in glioma

Metka Novak

Glioblastoma organoid model as a personalized tool for standard and immuno-therapy research

12:00 – 12:05

Emanuela Senjor

Introducing the IMMUNO-model Protocol Database Task Force

12:05 – 13:00	DISCUSSION about the WG1 activities led by Devrim Pesen Okvur & Cristiana Tanase
13:00 – 14:00	LUNCH BREAK
14:00 – 15:15	<p>SCIENTIFIC SESSION WG2 Chairs: Emmet McCormack, Lukasz Skalniak</p> <p>Mangala Srinivas In vivo imaging for quantitative tracking of immune cells</p> <p>Calum Leitch Utilising preclinical animal models and single-cell analysis for cancer immunotherapy studies</p> <p>Juan Carlos Rodriguez-Manzaneque Unveiling new extracellular matrix immunomodulatory actions within the tumor microenvironment: the axis ADAMTS1/NIDOGEN1</p>
15:15 – 16:00	<p>SELECTED ABSTRACTS</p> <p>Serkan Sen Do Statins Influence Prognosis in Patients With Advanced Non-Small Cell Lung Cancer Treated With Nivolumab?</p> <p>Chiara Calaruso Identification of mechanism/s of resistance to immunotherapy using a mouse model of low tumor mutational burden</p> <p>Eleni Douni Modeling breast cancer and bone metastasis in TgRANKL mice</p>
16:00 – 16:30	COFFEE BREAK with Poster session WG1 + WG2
16:30 – 17:30	DISCUSSION about the WG2 activities led by Johannes Haybaeck & Emmet McCormack
18:30	CONFERENCE DINNER (Restaurant Werk, Bottova 1, Bratislava)

WEDNESDAY, May 15th, 2024

Venue:
HubHub, Twin City C, Mlynske nivy 7816/14, Bratislava

08:30 – 09:15	<p>KEYNOTE LECTURE</p> <p>Emmanuel Donnadiu Predicting safety and efficacy of engineered T cells using an ex vivo human model</p>
09:15 – 10:30	<p>SCIENTIFIC SESSION WG3 Chairs: Marleen Ansems, Denis Collins</p> <p>Anguraj Sadanandam Stratification of a Panel of Mouse Models of Pancreatic Cancer using Immune Landscape and Extra-cellular Matrix to Predict Response to Synthetic IL-12 Therapy (online lecture)</p>

Denis Collins
Investigating the immune profile of early stage HER2+ breast cancer patients receiving chemotherapy and HER2-targeted therapies

Osman Ugur Sezerman
Multiomics AI models to predict immunotherapy response and biomarkers

10:30 – 11:00	COFFEE BREAK with Poster session WG3 + WG4
11:00 – 11:45	<p>SELECTED ABSTRACTS</p> <p>Lucia Kucerova DNase treatment affects tumor angiogenesis and augments cytotoxic effect of cisplatin in chemoresistant germ cell tumors</p> <p>Ana Maria Enciu Various patient-derived Glioblastoma 3D tumor models and their downstream application opportunities</p> <p>Talip Zengin In-Silico Cancer Immunology Cohort Discovery Using TCGAnalyzerR</p>
11:45 – 12:45	DISCUSSION about the WG3 activities led by Marleen Ansems & Maurizio Callari
12:45 – 13:45	LUNCH BREAK
13:45 – 15:00	<p>SCIENTIFIC SESSION WG4 Chairs: Laura Belver, Rene Winkler</p> <p>Christian P. Pallasch Therapy Resistance in TP53-deficient B-cell Malignancies - the role of EVs and PD-L1 suppressing Macrophages (online lecture)</p> <p>Magdalena Winiarska The CAR costimulatory domain influences the process of CAR-CD19 resistance development in lymphoma and B-ALL</p> <p>Victor M. Diaz Cortes Pre-clinical validation of humanized CAR-Ts cells in the industry: experiences from the bench to the bedside</p>
15:00 – 15:45	<p>SELECTED ABSTRACTS</p> <p>Jessica Dal Col Exploring the role of microRNAs in intercellular communication during Immunogenic Cell Death</p> <p>Anamaria Bancos Retinoid Differentiating agents induce Maturation of MDS cells in vitro</p> <p>Klaudyna Fidy The identification of potential targets for CAR-based therapy using transcriptomic and proteomic approaches</p>
15:45 – 16:15	COFFEE BREAK with Poster session WG3 + WG4
16:15 – 17:15	DISCUSSION about the WG4 activities led by Laura Belver & Rui Bergantim
17:15 – 17:30	<p>CLOSING REMARKS</p> <p>Eva Martinez Balibrea</p>