

The 5th Brain Tumors: From Biology to Therapy Conference, JUNE 22-24, 2022
Nencki Institute, Warsaw, Pasteur 3 str.

CONFERENCE PROGRAM – DAY 1

WEDNESDAY, June 22, 2022

11:00–13:00	Registration and welcome coffee
13:00–14:00	<p>Keynote lecture: John de Groot, University of California San Francisco, USA <i>The future of immunotherapy for glioma</i></p>
14:00–17:20	<p>Brain tumor pathobiology (chairs: Dolores Hambardzumyan, Bozena Kaminska)</p>
14:00–14:35	<p>Constantinos G. Hadjipanayis, Mount Sinai Icahn School of Medicine, USA <i>MEK pathway inhibition combined with 5-aminolevulinic acid- photodynamic therapy for the treatment of diffuse midline glioma</i></p>
14:35–15:10	<p>Martin van den Bent, Erasmus MC Cancer Institute, Netherlands <i>The landscape of clinical trial in glioma: recently completed and ongoing projects</i></p>
15:10–15:40	Coffee break
15:40–16:15	<p>Oren Becher, Mount Sinai Icahn School of Medicine, USA <i>Cellular heterogeneity in diffuse midline gliomas</i></p>
16:15–16.50	<p>Jacek Majewski, McGill University, Canada <i>Epigenomic landscapes of H3K27M mutant gliomas</i></p>
16.50-17.20	<p>Oral presentations (3x10 min)</p> <p>Rugile Dragunaite, Lithuanian University of Health Sciences, Kaunas, Lithuania <i>Investigation of m6A modified lncRNAs in different grade gliomas</i></p> <p>Irati Hervás-Corpion, Instituto de Investigación e Innovación Biomédica de Cádiz (INiBICA) and Hospital Universitario Puerta del Mar, Cádiz, Spain <i>Implementation of histone H3 variants in the clinical diagnosis of low- and high-grade gliomas</i></p> <p>Katarzyna B. Leszczynska, Nencki Institute, Warsaw, Poland <i>Epigenetic modulation leads to the decrease of H3K27M oncohistone in pediatric high-grade gliomas</i></p>
17:20–18:50	Poster session
19:00–21:00	Welcome reception

CONFERENCE PROGRAM – DAY 2

THURSDAY, June 23, 2022

09:00–12:25	Glioma microenvironment, immunology and immunotherapy I (chairs: Christel Herold-Mende, Aleksandra Ellert-Miklaszewska)
09:00–9:35	Bozena Kaminska , Nencki Institute, Warsaw, Poland <i>Immune microenvironment of glioma at single cell resolution</i>
09:35–10:10	Dolores Hambarzumyan (Icahn School of Medicine, Mount Sinai, USA) <i>Glioblastoma subtype-specific heterogeneity of the immune microenvironment</i>
10:10–10:40	Coffee break
10:40–11:15	Katrin Lamszus (Universitätsklinikum Hamburg-Eppendorf; Hamburg, Germany) <i>Cancer immunoediting in malignant glioma - interactions between immune cells and tumor cells</i>
11:15–11:50	Dieter Henrik Heiland , University of Freiburg, Germany <i>Spatiotemporal dynamics in the structural immunity of the glioblastoma microenvironment</i>
11:50–12.25	Christel Herold-Mende , University of Heidelberg, Germany <i>Determinants of immune cell infiltration and immune responses in brain tumors</i>
12:25–13:20	Lunch break
13:20–18:00	Brain tumor microenvironment, immunology and immunotherapy II (chairs: Dinorah Friedman-Morvinski, Wiesława Grajkowska)
13:20–13:55	Hai-Kun Liu , German Cancer Research Center (DKFZ), Germany <i>Metabolic plasticity and cancer stem cell dormancy in glioblastoma</i>
13:55–14:30	Alessandro Michelucci , Neuro-Immunology Group, Department of Oncology, Luxembourg Institute of Health, Luxembourg <i>Revealing and harnessing tumor-associated microglia/macrophage heterogeneity in glioblastoma</i>
14:30–15:05	Dinorah Friedmann-Morvinski , Tel Aviv University, Israel <i>Boosting CAR T cell efficacy by modulation of the microenvironment in brain tumors</i>
15:05-15:20	Sponsored: Agnieszka Ciesielska (Analytik 10x Genomics) <i>Multomic tumor microenvironment profiling using single cell and spatial transcriptomic solution.</i>
15:20–15:45	Coffee break
15:45–16:20	Houtan Noushmehr , Henry Ford Cancer Institute, USA <i>Advances in epigenomic classification and liquid biopsy in glioma</i>
16:20–16:55	Neta Erez , Tel Aviv University, Israel <i>Systemic instigation of neuroinflammation facilitates brain metastasis</i>

16:55–17:30		<p style="text-align: center;">Oral presentations (3x10 min)</p> <p style="text-align: center;">Lena Jassowicz, Heidelberg University Hospital, Heidelberg, Germany <i>Characterizing the Immune and Stromal Microenvironment of Breast Cancer Brain Metastases</i></p> <p style="text-align: center;">Divsha Sher, Tel Aviv University, Israel <i>Transformation of Oligodendrocytes into Malignant Glioma Results in Cell of Origin-Specific Behavioral Deficits</i></p> <p style="text-align: center;">Aditya Shroff, University College London, UK <i>Molecular profiling of a novel somatic murine mutant-IDH glioma model enables identification of high-risk mutant-IDH astrocytoma patient subgroup</i></p>
20:00-23:00		<p>Gala dinner (by invitation)</p>

CONFERENCE PROGRAM – DAY 3

FRIDAY, June 24, 2022

09:00–16:00	Brain tumor pathobiology, diagnostics & therapy (chairs: Sergiusz Nawrocki)
09:00–9:35	Itay Tirosh , Weizmann Institute of Science, Israel <i>Dissecting intra-tumor and inter-tumor heterogeneity in glioma</i>
09:35–10:10	Rolf Bjerkvig , University of Bergen, Norway <i>Glioma cell invasion: growth patterns and mechanistic insight</i>
10:10–10:40	Coffee break
10:40–11:15	Guido Reifenberger , University of Dusseldorf, Germany <i>Recent advances in the molecular classification of gliomas – The new WHO classification 2021 and beyond</i>
11:15–11:50	Maria G. Castro , University of Michigan Medical School, USA <i>Epigenetic reprogramming of the tumor immune microenvironment in mutant IDH1 gliomas impacts myelopoiesis and reverses immunosuppression</i>
11:50–12:05	Sponsored: Wojciech Bieniek (Perlan) <i>Real-time analysis of cellular function with the Seahorse metabolic analyzer</i>
12:05–13:05	Lunch break
13:05–13:40	Maciej Wiznerowicz , International Institute for Molecular Oncology, Poland <i>Cancer Stemness as Hallmark of Oncogenic De-differentiation</i>
13:40–14:15	Petra Hamerlik , AstraZeneca, UK <i>Functional interplay between aberrant DNA repair and cellular hierarchies in glioblastoma</i>
14:15–14:50	Agnieszka Bronisz , Mossakowski Medical Institute, Poland <i>Targeting hypoxia response for oncolytic virus immunotherapy</i>
14:50–15:25	Waldemar Priebe , MD Anderson Cancer Center, Houston, USA <i>Drug discovery in academia: focus on CNS malignancies</i>
15:25–16:00	Glenn Lesser , Wake Forest School of Medicine, USA <i>Trials and Tribulations: Reimagining Our Clinical Trial Approaches to CNS Malignancies</i>
16:00–16.10	Closing remarks
16.10–19:00	Guided tour: Warsaw sightseeing