

THE ARYEH KLUGER RESEARCH CENTER
FOR PEDIATRIC SOLID TUMORS

המרכז הרפואי שערי צדק



ARI-PST 2026

Advancing Research in Israel
Pediatric Solid Tumors

Thursday, February 26th, Dan Hotel, Eilat

08:00- 08:30 registration

08:30-10:15 Morning Session- Pediatric Oncology: The Clinical Arena and New Preclinical Pathways

Dan Hotel - Big Blue Hall B

Chairs: Prof. Ronit Satchi-Fainaro, Prof. Praveen Raju and Prof. Shai Izraeli

08:30 - 08:35 | Opening remarks

Prof. Ronit Satchi-Fainaro, Head, Gray School of Medical Sciences, Tel Aviv university

08:35 - 08:55 | Turning Points in Treatment: Pediatric Brain Tumor Advances to Know in 2025

Prof. Uri Tabori, SickKids Medical Center, Canada

08:55 - 09:15 | Breaking Through: Targeted Nanocarrier-Based Therapies for Pediatric CNS Tumors

Prof. Praveen Raju, Rady Children's Hospital, USA

09:15 - 09:35 | From Relapse to Response: Advancing Therapeutic Strategies for High-Risk Neuroblastoma

Prof. Daniel Morgenstern, SickKids Medical Center, Canada

09:35 - 09:45 | Real-time monitoring of pediatric high-grade glioma invasion using organotypic brain cultures reveals a developmentally dependent sensitivity

Prof. Oded behar, The Hebrew University of Jerusalem

09:45 - 09:55 | A TCR- centric Approach to Antigen and Adoptive Cell Therapy Discovery in Pediatric Brain Tumors

Dr. Itay Raphael, The Hebrew University of Jerusalem

09:55 - 10:05 | Neutrophils induced delayed tumor growth and malignant cell differentiation in neuroblastoma

Dr. Chen Buxbaum, Technion – Israel Institute of Technology, Haifa

10:05 - 10:07 | Integrative Global and Spatial Proteomics Reveal Chemoresistance-Associated Dynamics in the Neuroblastoma Microenvironment

Anvita Pant, Weizmann Institute of Science

10:07 - 10:09 | Glycosylation–Phosphorylation Crosstalk in KIAA1549-BRAF: A Fusion-Specific Vulnerability in Pediatric Low-Grade Glioma

Dr. Coralie Ebert, Computational Neuroscience, MeNow

10:09 - 10:11 | T Cell Receptor Therapy for Pediatric Diffuse Intrinsic Pontine Glioma

Anat Shemer, Sheba Medical Center, Israel

10:11 - 10:13 | A Mutation-Independent Liquid Biopsy Framework for Noninvasive Precision Oncology in Pediatric Solid Tumors

Dr. Esther Berko, Schneider Children's Medical Center

10:13 - 10:15 | Precise Delivery of Therapeutics to Pediatric Brain Tumors via P-Selectin-Targeted Nanomedicine

Giuseppe Longobardi, Tel Aviv University, Israel

10:15 - 11:00 | Coffee Break

11:00 - 11:45 | ILANIT Plenary Lecture

11:00 - 11:45 | The Neuroscience of Brain Cancers

Prof. Michelle Monje, Stanford Medicine, USA

12:00-14:00 Closed Session for Consortium Partners, Researchers & Strategic Stakeholders

Dan Hotel - Fiesta Hall

12:00 - 13:15 | Moving to the Next Level – ARI-PST 2025 Achievements & the Roadmap for 2026

The Israeli Pediatric Organoid Bank : Building Field-Changing Tools for Research

Tissue Bank : Providing Access to Critical Resources

The Liquid Biopsy Initiative :Joining Forces Toward Treatment Personalization

Joining international Bioinformatic and genomic databases: an update

13:15 - 14:00 Lunch & Informal Posters Open lunch & poster mingling

14:00-18:00 Satellite Session - Pediatric Oncology: from Preclinical to Clinical Applications and back

Dan Hotel - Fiesta Hall

14:00 – 15:05 | CAR-T – Personalized Immunotherapy Horizons

Chairs: Prof. Michelle Monje, Dr. Daniel Morgenstern, Dr. Gal Cafri

14:00–14:05 – The Challenge: A Neuroblastoma Challenging Case

14:05–14:15 Current CAR T-Cell Trials in Neuroblastoma

Prof. Sabine Heitzeneder, Stanford Medicine, USA

14:15–14:20 – A Brain Tumor Challenging Case

14:20–14:30 Current CAR T-Cell Trials in Pediatric Brain Tumors

Prof. Michelle Monje, Stanford Medicine, USA

14:30–15:05 – Mini Orals: Future Innovative Solutions

Properties of CART cells migrating to the CNS

Dr. Elad Jacoby, Sheba Medical Center

Supporting T-Cell Metabolism in a Hostile Environment

Prof. Cyrille Cohen, Bar-Ilan University

Innovative CART Cells Targeting Pediatric Solid Tumors

Dr. Anat Globerson Levin, Ichilov Medical Center

Uncovering New CART Targets in Pediatric Brain Tumors

Prof. Dinorah Friedmann-Morvinski, Tel Aviv University

15:05 – 16:15 | Liquid Biopsy – From Bedside to Bench and Back

Chairs: Prof. Roger Packer, Dr. Shifra Ash, Prof. Sabine Heitzeneder

15:05–15:10– The Challenge: A Neuroblastoma Challenging Case

15:10–15:20 Current Status of Liquid Biopsy in Neuroblastoma

Dr. Esther Berko, Schneider Children's Medical Center of Israel

15:20–15:25 – A Brain Tumor Challenging Case

15:25–15:35 Current Status of Liquid Biopsy in Pediatric Brain Tumors

Prof. Uri Tabori, SickKids Medical Center, Canada

15:35–16:15 – Mini Orals: Future Innovative Solutions

Chromatin Liquid Biopsy as a Tool for Studying Human Health and Disease

Prof. Nir Friedman, The Hebrew University of Jerusalem

Nanopore-based Analysis of CSF ctDNA for Classification and MRD Monitoring in Pediatric CNS Tumors

Prof. Iris Lavon, Hadassah Medical Center

Innovative Markers for Tissue Damage & Pseudoprogression

Prof. Yuval Dor, The Hebrew University of Jerusalem

Blood-Based Sequencing of Brain Tumor-Derived ctDNA

Prof. Dov Hershkovitz, Ichilov Medical Center

Barrier-Disrupting Fields Enable Brain-Derived Liquid Biopsy : From Preclinical Proof-of- Concept to First-in-Human Application

Prof. Yael Mardor, Sheba Medical Center

16:15–16:30 Coffee Break

16:30–17:20 A Roadmap to Future Hopes – New Therapeutics: Thinking Differently

Chairs: Prof. Uri Tabori, Prof. Praveen Raju, Prof. Ronit Satchi-Fainaro

16:30–16:40 PNOC's Translational Vision for DMG

Prof. Sabine Mueller, Pediatric Neuro-Oncology Consortium, UCSF, USA

16:40–16:50 Next-Gen Therapeutics in Pediatric Rare Brain Tumors

Prof. Roger Packer, Children's National Medical Center, USA

16:50–17:20– Mini Orals: Future Innovative Solutions

The Microbiome and Brain Tumors: Surprising New Allies and Foes

Prof. Ravid Straussman, Weizmann Institute of Science

The Secrets of RNA in the Fight Against Cancer

Prof. Barak Rotblat, Ben Gurion University of the Negev

Engineering Extracellular Vesicles for Precision Delivery of RNA Therapeutics in Brain Tumors

Prof. Chaya Brodie, Bar-Ilan University

Predicting Exceptional Responders and Optimizing Therapeutic Selection in Pediatric Low-Grade Brain Tumors

Prof. Yuval Tabach, The Hebrew University of Jerusalem

17:20 – 18:00 | Research to Impact

Chairs: Prof. Sabine Mueller, Dr. Iris Fried, Prof. Myriam Ben Arush

17:20 – 17:35 Bringing Innovation to Our Kids: The Role of Advocacy Groups

Efrat Lichtman – Larger Than Life

Einat Dado Baralia– Shir for Life

17:35 – 17:45 Remembering Aryeh, Envisioning the Future

Larry Kluger and Josie Glausiusz-Kluger, Founders, The Aryeh Kluger Research Center for Pediatric Solid Tumors, Shaare Zedek Medical Center

17:45 – 17:55 ARI - PST Awards Ceremony

Young Investigator Award

Established Investigator Award

17:55 – 18:00 Closing Remarks

Dr. Iris Fried, Shaare Zedek medical Center