

WEDNESDAY, SEPTEMBER 17TH, 2025

13:30–13:45 Registration, Reception and Exhibition

13:45–14:00 **Opening Session**

OPENING AND GREETINGS

Prof. Ronit Satchi-Fainaro, *Director, Cancer Biology Research Center; Head, Gray School of Medical Sciences*

Prof. Abdussalam Azem, *Dean, George S. Wise Faculty of Life Sciences*

Prof. Karen Avraham, *Dean, Gray Faculty of Medical and Health Sciences*

Moshe Bar-Haim, *Director, Israel Cancer Association*

14:00–14:45

Session I

PLENARY LECTURE

Chair: Uri Ben-David, *Gray Faculty of Medical and Health Sciences*

14:00–14:40

Todd Golub, *Director of the Broad Institute, MIT and Harvard*

“Genomic Approaches to Studying Tumor–Microenvironment Interactions”

14:45–15:30

Session II

GENOME INTEGRITY, BRCA, AND CANCER

Sponsored by: Gray Research Fund for BRCA-Related Cancers

Chair: Uri Ben-David, *Gray Faculty of Medical and Health Sciences*

14:45–15:00

Yossi Shiloh, *Gray Faculty of Medical and Health Sciences*

“At the Crossroads of Genome Integrity, Cellular Senescence, and Cancer: Emerging Mechanisms and Key Players”

15:00–15:15 **Talia Golan**, *Sheba Medical Center*

"Resistance Mechanism in Precision Medicine in PDAC"

15:15–15:30 **Eric Shifrut**, *Tel Aviv University and Tel Aviv Sourasky Medical Center*

"CRISPR Engineering of T cell Therapies"

15:30–16:30

Session III

Sponsored by:

Djerassi-Elias
Institute of Oncology
Faculty of Medical & Health Sciences
Tel Aviv University

AI, ML, AND CANCER

Chairs: **Aldema Sas-Chen**, *George S. Wise Faculty of Life Sciences*, and **Dov Hershkovitz**, *Tel Aviv Sourasky Medical Center*

15:30–15:45 **Osnat Ashur-Fabian**, *Meir Medical Center*

"Who has Cancer? The Data Does Not Lie but the Truth is Hard to Find"

15:45–16:00 **Rani Elkon**, *Gray Faculty of Medical and Health Sciences*

"Improving Breast Cancer Risk Assessment in Israel Through Genomics"

16:00–16:15 **Avishay Spitzer**, *Tel Aviv Sourasky Medical Center*

"Therapeutic-Induced Cellular Plasticity in IDH-Mutant Gliomas: From De-Differentiation to Lineage Reinforcement"

16:15–16:30 **Noam Shomron**, *Gray Faculty of Medical and Health Sciences*

"Combining DNA and RNA in Cancer Understanding"

16:30–17:00 **Coffee, Snacks, and Exhibition**



17:00–17:45

Session IV



Sponsored by: המרכז לחקר הסטואונקולוגי
על שם ורדה ובעד דותן

HEMATO-ONCOLOGY

Chairs: Orna Steinberg-Shemer,
Schneider Children's Medical Center

17:00–17:15

Adi Lorenz-Zoref, *Meir Medical Center*

"Hyperinflammation in Hematologic Malignancies: From Bedside to Bench and Back"

17:15–17:30

Adi Barzel, *George S. Wise Faculty of Life Sciences*

"Engineering T Cells and B Cells with AAV *in vivo*"

17:30–17:45

Ruth Shiloh, *Schneider Medical Center*

"H Syndrome and Histiocytosis: A Rare Genetic Disorder Reveals an Unexpected Pathway for MAPK Activation"

17:45–18:15

Session V

FLASH SESSION EARLY CAREER SCIENTISTS AND CLINICIANS
(students, postdocs, and residents)

Chairs: Michal Besser, *Rabin Medical Center*, and **Irit Gat-Viks,** *George S. Wise Faculty of Life Sciences*

17:45–17:48

Yonatan Eliezer, *Gray Faculty of Medical and Health Sciences*

"Elucidating the Role of DDX27 in Aneuploidy Tolerance and Stress Response"

17:48– 17:51

Hadas Volkov, *Gray Faculty of Medical and Health Sciences*

"Deciphering the Diagnostic Potential of Small Non-Coding RNAs for the Detection of Pancreatic Ductal Adenocarcinoma through Liquid Biopsies"

17:51- 17:54 **Ron Sheinin**, *Gray Faculty of Medical and Health Sciences*

"An AI-Guided Integration of Molecular Networks and Single-Cell Transcriptomics using scNET"

17:54-17:57 **Chani Stossel**, *Sheba Medical Center*

"T Cell Receptor (TCR) Therapy Targeting KRAS Mutations in Pancreatic Cancer"

17:57-18:00 **Yarden Aharoni Tevet**, *Sheba Medical Center*

"CAR T-Cells Dysfunction in the CNS is Mediated by BBB-Induced AICD"

18:00-18:03 **Ron Kleiner**, *Gray Faculty of Medical and Health Sciences*

"DC-Targeted Nanovaccine Enhances Immunity and Efficacy of Chemotherapy and KRAS-Targeted Therapies in Pancreatic Cancer"

18:03-18:06 **Shir Shance**, *George S. Wise Faculty of Life Sciences*

"Personalized Lung Cancer Treatment Using Antisense Oligonucleotides"

18:06-18:12 **Shelly Soffer**, *Rabin Medical Center*

"Intersection of Artificial Intelligence and Cancer Care: Enhancing Equity and Clinical Decision-Making"

18:12-18:18 **Miri Neaman**, *Tel Aviv Sourasky Medical Center*

"Novel Epigenetic Test Distinguishes MDS, AML and Controls Through Peripheral Blood Analysis"

19:00-20:00 **Dinner** 

20:00-21:30 **Posters, Snacks, and Exhibition** 

21:30 **RockVile** 

THURSDAY, SEPTEMBER 18TH, 2025

09:00-09:40

Session VI

PLENARY LECTURE

Chair: Ronit Satchi-Fainaro,
*Gray Faculty of Medical and Health
Sciences*

09:00-09:40

Maria Castro, *University of Michigan*

"Epigenetic Reprogramming in Adult
and Pediatrics Gliomas Leads to
Enhanced Response to Immune-
Mediated Therapies"

09:45-10:30

SESSION VII

CROSSING THE BBB AND BRAIN MALIGNANCIES

Chairs: Lior Mayo, *George S. Wise
Faculty of Life Sciences,* and **Ilan
Volovitz,** *Tel Aviv Sourasky Medical
Center*

09:45-10:00

Ronit Satchi-Fainaro, *Gray Faculty
of Medical and Health Sciences*

"Decoding Brain Tumor-Host
Interactions from Bedside to Bench
and Back"

10:00-10:15

Lior Zach, *Tel Aviv Sourasky Medical
Center*

"New Approaches for Imaging and
Crossing the BBB & BTB in Neuro-
Oncology"

10:15-10:30

Dinorah Friedman-Morvinski,
*George S. Wise Faculty of Life
Sciences*

"Novel Strategies to Enhance the
Efficacy CAR-T Cell Immunotherapy in
Brain Tumors"

10:30–11:00 Coffee, Snacks, and Exhibition 

11:00–12:30

SESSION VIII

MOLECULAR–CLINICAL TUMOR BOARD

Chair: **Raya Leibowitz**, *Shamir Medical Center*

11:00–11:45

"Tackling Resistance to Treatment Across the Solid Cancer Spectrum"

Keren Levanon, *Rabin Medical Center*

Gal Cafri, *Sheba Medical Center*

Ehud Wainstein, *Shamir Medical Center*

11:45–12:30

"Complex/Dynamic Model Systems for Complex/Dynamic Diseases"

Ben Maoz, *School of Biomedical Engineering, Tel Aviv University*

Michael Peled, *Sheba Medical Center*

Shelly Loewenstein, *Tel Aviv Sourasky Medical Center*

12:30–13:30 Lunch 

12:30–13:30

Department of Oncology Hosted Lunch 

Strategic Meeting of the Tel Aviv University Oncology Department (By Invitation Only)

Sponsored by:



13:30–14:00

Session IX

FLASH SESSION EARLY CAREER SCIENTISTS AND CLINICIANS (students, postdocs, and residents)

Chairs: **Yochai Wolf**, *Sheba Medical Center*, and **Liat Drucker**, *Meir Medical Center*

13:30–13:33

Omer Samuel Azar, *Tel Aviv Sourasky Medical Center*

"Dual CAR Strategy for Specific and Safe Targeting of T-Cells Against Ovarian Cancer"

13:33–13:36 **Iris Kamer**, *Sheba Medical Center*

"Ex-vivo Model for Checkpoint Inhibitor Response in NSCLC using Pleural Effusions"

13:36–13:39 **Ortal Ariel Cohen**, *Sheba Medical Center*

"Identification and Utilization of TCRs Against Recurrent Mutations in Uveal Melanoma"

13:39–13:42 **Avinoam Ratzabi**, *George S. Wise Faculty of Life Sciences*

"The Spatial Distribution of Resident and Monocytes Derived Macrophages in Experimental Brain Metastases"

13:42–13:45 **Yael Zait**, *Gray Faculty of Medical and Health Sciences*

"Antigen-Presenting Astrocytes Orchestrate Anti-Tumor Immunity in Brain Metastasis"

13:45–13:48 **Keren Talmor**, *George S. Wise Faculty of Life Sciences*

"Poly-LacNAc Immunization: Towards Antibody-Based Galectin Blockade Cancer Immunotherapy"

13:48–13:54 **Inbal Greenberg**, *Tel Aviv Sourasky Medical Center*

"IRS2 as a Driver of Brain Metastasis in Colorectal Cancer: A Potential Target for Novel Therapeutic Strategies"

13:54–14:00 **Nurit Gal-Mark**, *Schneider Children's Medical Center of Israel*

"Methylation Based Liquid Biopsy in High-Risk Neuroblastoma"

14:00–16:00 **Posters, Coffee, Snacks, and Exhibition**

16:00-17:00

Session X

IMMUNO-ONCOLOGY

Chairs: **Isaac Witz**, *George S. Wise Faculty of Life Sciences*, and **Adit Ben-Baruch**, *George S. Wise Faculty of Life Sciences*

16:00-16:15

Asaf Madi, *Gray Faculty of Medical and Health Sciences*

"The Promise of Anti PD-1-Attenuated IL-2 Fusion Protein in Cancer Immunotherapy"

16:15-16:30

Jair Bar, *Sheba Medical Center*

"Neoadjuvant Checkpoint Blockade - A Window of Opportunity to Cure"

16:30-16:45

Yaron Carmi, *Gray Faculty of Medical and Health Sciences*

"In Situ Signals from Tumor-Infiltrating Monocyte-Derived Dendritic Cells are Required to Elicit T Cell Cytotoxicity"

16:45-17:00

Gal Markel, *Rabin Medical Center*

"Looking into New Immune Targets"

17:30-19:30

Sunset retreat and tour

19:30

Dinner



21:00

DJ Nadav Agami



FRIDAY, SEPTEMBER 19TH, 2025

09:00–10:30

Session XI

MOLECULAR–CLINICAL TUMOR BOARD

Chair: Amir Sonnenblick, *Tel Aviv Sourasky Medical Center*

09:00–9:45

1st topic–ER-POSITIVE BREAST CANCER–stage 4

Einav Gal-Yam, *Sheba Medical Center*
"Beyond Endocrine Resistance–Targeting ESR Mutation"

Uri Ben-David, *Gray Faculty of Medical and Health Sciences*
"Inactivation of P53 Drives Breast Cancer Brain Metastasis"

09:45–10:30

2nd topic – TRIPLE NEGATIVE BREAST CANCER– stage 2

Tal Eitan
"Clinical experience with kn522 and novel strategie"

Merav Cohen, *Gray Faculty of Medical and Health Sciences*

"Neutrophils Physically Interact with Tumor Cells to Promote Breast Cancer Aggressiveness"

Inbal Wortzel, *Gray Faculty of Medical and Health Sciences*

"EV–DNA–Mediated Immune Communication: A Barrier to Metastasis"

10:30–11:15

Session XII

LIFESTYLE, METABOLISM, AND CANCER – Part 1

Chairs: Marcelo Ehrlich, *George S. Wise Faculty of Life Sciences*, and **Shamgar Ben-Eliyahu**, *Faculty of Social Sciences*

10:30–10:45

Carmit Levy, *Gray Faculty of Medical and Health Sciences*

"The Protective Effect of Physical Activity on Brain Metastases"

10:45–11:00 **Elad Jacoby**, *Sheba Medical Center*

"Mitochondrial Metabolism in CAR-T Cells"

11:00–11:15 **Rina Rosin-Arbesfeld**, *Gray Faculty of Medical and Health Sciences*

"Pathogenic Oral Bacteria Accelerate Colorectal Cancer Progression"

11:15–11:45 **Coffee, Snacks, and Exhibition** 

LIFESTYLE, METABOLISM, AND CANCER – Part 2

Chairs: **Itai Benhar**, *George S. Wise Faculty of Life Sciences*, and **Michael Milyavsky**, *Gray Faculty of Medical and Health Sciences*

11:45–12:00 **Vered Padler-Karavani**, *George S. Wise Faculty of Life Sciences*

"The Sweet Side of Cancer"

12:00–12:15 **Nirit Yarom**, *Shamir Medical Center*

"Running for Cure"

12:15–12:30 **Dan Peer**, *George S. Wise Faculty of Life Sciences*

"Therapeutic Genome Editing in Cancer: From a Concept to the Clinic"

12:30–12:45 Awards Ceremony and Closing Remarks
Ronit Satchi-Fainaro 