

The 20th BIENNIAL CANCER BIOLOGY RESEARCH CENTER MEETING

David's Harp Galilee Resort | 17-19 September 2025



The 20th CBRC Meeting 17th -19th September 2025 TENTATIVE SCIENTIFIC PROGRAM

WEDNESDAY, SEPTEMBER 17TH, 2025

13:00 – 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. Ariel Porat, President, Tel Aviv University

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

14:45 – 15:45 **Session II**
GENOME INTEGRITY, BRCA, AND CANCER

Chairs: 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”

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15:30 – 16:00

Session III 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

“Development of Enhanced Polygenic Risk Score Models to Improve Early Detection of Breast Cancer in Israel”

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 HEMATO-ONCOLOGY

Chairs: **Ruty Shai**, Sheba Medical Center, and **Orna Steinberg-Shemer-Schneider**, Children's Medical Center

17:00 – 17:15 **Adi Lorenz-Zoref**, Meir Medical Center

“Hyperinflammation in Hematologic Malignancies- the Storm Beneath the Calm”

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

6 x 3 min – Selected from abstracts

2 X 6 min – Selected from abstracts

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19:00 – 20:00 DINNER
20:00 – 21:30 POSTERS, SNACKS, AND EXHIBITION
21:30 SOCIAL

THURSDAY, SEPTEMBER 18TH, 2025

9:00 – 9:40 **Session VI**
PLENARY LECTURE

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

9:00 – 9:40 **Maria Castro**, University of Michigan
 “Epigenetic Reprogramming in Adult and Pediatrics Gliomas Leads to Enhanced Response to Immune-Mediated Therapies”

9:45 – 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

9:45 – 10:00 **Ronit Satchi-Fainaro**, Gray Faculty of Medical and Health Sciences
 “Decoding Brain Tumor-Host Interactions from Bedside to Bench and Back: 3D-Printing the Future of Personalized Oncology”

10:00 – 10:15 **Shlomit Katz-Yust**, Rabin Medical Center
 “What’s new in glioma? CNS Tumor Classification and Treatment Update

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 – 11:50

Tackling resistance to treatment across the solid cancer spectrum

Raanan Berger, Sheba Medical Center

Keren Levanon, Rabin Medical Center

Gal Cafri, Sheba Medical Center

Ehud Wainstein, Shamir Medical Center

11:50-12:30

Complex/dynamic model systems for complex/dynamic diseases

Ben Maoz, School of Biomedical Engineering, Tel Aviv University

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Michael Peled, Sheba Medical Center

Shelly Loewenstein, Tel Aviv Sourasky Medical Center

12:30 – 13:30 **Lunch**

12:30 – 13:30 **Lunch (invitees only), Department of Oncology**

Session IX

13:30 – 14:00

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

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

6 x 3 min – Selected from abstracts

2 X 6 min – Selected from abstracts

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

Session X

16:00 – 17:00

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 SOCIAL – BAND AND DANCE

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FRIDAY, SEPTEMBER 19TH, 2025

9:00 – 10:30

SESSION XI

MOLECULAR-CLINICAL TUMOR BOARD

Chair: Amir Sonnenblick, Tel Aviv Sourasky Medical Center

9:00 – 9:45 **1st topic – ER POSITIVE BREAST CANCER – stage 4**

Einav Gal-Yam - Beyond Endocrine Resistance – Targeting ESR Mutation

Uri Ben-David - Inactivation of P53 Drives Breast Cancer Brain Metastasis

9:45 – 10:30 **2nd topic- TRIPLE NEGATIVE BREAST CANCER- STAGE 2**

Yasmin Leshem \ Tal Eitan - Clinical Experience With KN522 And Novel Strategies

Merav Cohen - Neutrophils Physically Interact with Tumor Cells to Promote Breast Cancer Aggressiveness

Inbal Wortzel - Exosome-Mediated Metastasis and EV-DNA Primes Antitumor Immunity

10:30 – 11:00

SESSION XII

LIFESTYLE, METABOLISM, AND CANCER

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 Arbesfeld**, Gray Faculty of Medical and Health Sciences

“Pathogenic Oral Bacteria Accelerate Colorectal Cancer Progression”

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

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**