The 18th CBRC Meeting May 9-11th 2018

SCIENTIFIC PROGRAM

WEDNESDAY, MAY 9, 2018

14:00 Registration and Reception

14:30-15:00 Opening Session

GREETINGS

Joseph Klafter, President, Tel Aviv University
Iris Barshack, Associate Dean and Head of the Medical School
Daniel Chamovitz, Dean, Faculty of Life Sciences
Dan Peer, Head, Cancer Biology Research Center

15:00-16:40 Session I

NEURO-ONCOLOGY

Chairs: Ilan Volovitz – Tel-Aviv Sourasky Medical Center
Zvi Cohen – Sheba Medical Center

15:00 - 15:10 Introduction by the Chair - Ilan Volovitz

15:10-15:30 Perioperative blockade of stress and inflammatory responses improves biomarkers of metastasis in excised tumors and in repeated blood samples: Phase II clinical trials in colorectal and breast cancer patients

Shamgar Ben-Eliyahu
Sagol School of Neuroscience
Faculty of Social Sciences, TAU

15:30 – 15:50 Astrocytes as key regulators of glioblastoma

Lior Mayo
Faculty of Life Sciences, TAU


Zvi Ram
Tel-Aviv Sourasky Medical Center

16:10 – 16:30 Maintenance treatment in primary central nervous system lymphoma

Osnat Bairey
Rabin Medical Center
16:30 – 17:00  *Coffee Break*

**WEDNESDAY, MAY 9, 2018 (CONT.)**

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**17:00-18:30  Session II**

**CANCER DIAGNOSTICS AND THERAPY**

**Chairs:** Benjamin Dekel - Sheba Medical Center  
Tamar Geiger – Faculty of Medicine

17:00-17.10  Introduction by the Chair – Benjamin Dekel

17:10– 17:30 The application of delayed contrast MRI for differentiating tumor from treatment effects in patients with brain tumors  
*David Guez*  
Sheba Medical Center

17:30– 17:50 Harness necroptosis to Fight Cancer  
*Motti Gerlic*  
Faculty of Medicine, TAU

17:50– 18.10 A three-way Molecular tug-of-war: Tumorigenic signaling, innate immune anti-viral response and viral oncolysis  
*Marcello Ehrlich*  
Faculty of Life Sciences, TAU

18.10– 18.25 A universal platform for RNAi therapeutics  
*Nuphar Veiga*  
Faculty of Life sciences, TAU

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**18:30-19:00  Session III**

**GREETINGS**

*Miri Ziv*, Director, Israel Cancer Association

**FLASH SESSION**

**Chairs:** Carmit Levy – Faculty of Medicine  
Yechezkel Sidi – Sheba Medical Center

18:30– 18.34 Characterizing the Dynamic Co-Evolution of Lung Fibroblasts in the Metastatic Microenvironment During Breast Cancer Metastasis
Ophir Shani  
Faculty of Medicine, TAU

18:34– 18.38 Validation and Functional Analysis of Novel Mutated Genes in Pediatric Gliomas  
Or Zohar  
Faculty of Life Sciences, TAU

18:38– 18.42 A General Approach for Defining the Binding Mechanism of Antibodies Against Tumor-Associated Carbohydrate Antigens  
Ron Amon  
Faculty of Life Sciences, TAU

18:42– 18.46 Residential and Inflammatory Eosinophils in Breast Cancer Associated Lung Metastasis  
Sharon Grisaru  
Faculty of Medicine, TAU

18:46– 18.50 SCD Takes Leukemia to the CNS  
Angela Maria Savino  
Sheba Medical Center

18:50– 18.54 A New Lung-Derived Factor Inhibits Neuroblastoma Lung Metastasis  
Shelly Maman  
Faculty of Life Sciences, TAU

18:54– 18.58 The Role of Genomic Alterations as Drivers of Liver-Specific Metastasis Formation in Pancreatic Ductal Adenocarcinoma (PDAC) Cancer  
Anat Klein  
Tel-Aviv Sourasky Medical Center

Rachel Blau  
Faculty of Medicine, TAU

20:30 Dinner

21:30 RESHEF LEVY -An intelligent and funny stand-up comedy show by Reshef Levy
THURSDAY, MAY 10, 2018

07:30 - 08:45  Breakfast

Meet the Expert

08:45 - 09:00  BLAVATNIK CENTER for Drug Discovery
Turning Excellent Multidisciplinary Science into Therapeutic Leads
Ludmila Buzhansky
BCDD

9:00-10.40  Session IV

TUMOR MICRO-ENVIRONMENT

Chairs:  Raphael Catane – Sheba Medical Center

09:00 - 09:10 Introduction by the Chair – Raphael Catane

09:10 – 09:30 Inflammation-driven networks in the regulation of breast cancer progression
Adit Ben-Baruch
Faculty of Life Sciences, TAU

09:30 – 09:50 The role of the omentum in the metastasis of gastrointestinal tumors
Guy Lahat
Tel-Aviv Sourasky Medical Center

09:50– 10:10 Breaking bad: Cancer-associated fibroblasts link tissue damage with tumor-promoting inflammation in breast cancer
Neta Erez
Faculty of Medicine, TAU

10:10– 10:30 Emerging roles for eosinophils in the tumor microenvironment
Ariel Munitz
Faculty of Medicine, TAU

10:30 – 10:50 A myriad of tumor microenvironment targets: Which one is the tumor’s Achilles heel?
Dan Aderka
Sheba Medical Center

10:50 - 11.10  Coffee Break
Session V

HEMATOLOGICAL MALIGNANCIES
Chairs: Meir Lahav – Rabin Medical Center
       Osnat Ashur-Fabian - Meir Medical Center

11:10 - 11:20 Introduction by the Chair - Meir Lahav

11:20 – 11:40 Towards selective targeting of the multiple myeloma-mesenchymal stem cells crosstalk
       Liat Drucker
       Meir Medical Center

11:40 -12:00 Wnt signaling stabilizes red blood cells cytoskeleton and prolongs their life span
       Rina Rosin-Arbesfeld
       Faculty of Medicine, TAU

12:00- 12:20 Mortalin, the mitochondrial stress protein 70, in cancer resistance, targeted therapy and diagnosis.
       Zvi Fishelson
       Faculty of Medicine, TAU

12:20 - 12:40 RNA modifications meet Hematology
       Gidi Rechavi
       Sheba Medical Center

12:40 - 13:00 Double CAR T-Cell for treatment of Multiple Myeloma
       Anat Globerson Levin
       Tel-Aviv Sourasky Medical Center

13:00 – 14:30 Lunch

Session VI

IMMUNE-ONCOLOGY
Chairs: Zelig Eshhar – Tel-Aviv Sourasky Medical Center
       Michal Besser – Sheba Medical Center
14:30 - 14:40 Introduction by the Chair – Zelig Eshhar

14:40-15:00 Induction of Melanoma-Reactive Cd4+ T Cells during tumor progression and following DC-driven immunotherapy
   **Yaron Carmi**
   Faculty of Medicine, TAU

15:00 – 15:20 Integrating bedside and bench in melanoma immuno-oncology
   **Gal Markel**
   Sheba Medical Center

15:20 -15:40 Insights on the regulation of immune checkpoint genes – potential implications for cancer immunotherapy
   **Raya Leibowitz**
   Sheba Medical Center

15:40 -16:00 Basic research. Outsmarting cancer:
   **Nadir Arber**
   Tel-Aviv Sourasky Medical Center

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**Session VII**

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**SPECIAL PANEL**

_{Chair: Yair Bar - Sheba Medical Center}_

16:00 – 16:30 Harnessing the sentinel lymph node to combat metastatic spread
   **Tanja de Gruijl**
   Department of Medical Oncology, VU University medical center – Cancer Center Amsterdam

16:30 – 17:00 From Industry to Academy & Back. Behind the scenes of healthcare research commercialization
   **Adi Elkeles**
   RAMOT

17:00 **Poster session**

20:00 **Dinner**

21:30 Social Event - Hataklim - live music event
FRIDAY, MAY 11, 2015

07:00 - 08:00  Breakfast

8:15-9.15  Session VIII

KEYNOTE LECTURE

Chairs: Dan Peer – Faculty of Life Sciences

8:15-9.15  Overcoming resistance to PD-1 blockade therapy
Antoni Ribas
UCLA Medical Center

9:15-11.15  Session IX

PERSONALIZED MEDICINE

Chairs: Avishay Sella – Assaf Harofeh Medical Center
Drorit Neumann – Faculty of Medicine

09:15 - 09:25  Introduction by the Chair – Avishay Sella

09:25 – 9.45  Treating brain neoplasms in three dimensions
Ronit Satchi-Fainaro
Faculty of Medicine, TAU

09:45 – 10:05  Ig-Seq Analysis of immune repertoires at health and disease
Yariv Wine
Faculty of Life Sciences, TAU

10.05 – 10.25 New technologies for personalized epigenetics
Yuval Ebenstein
Faculty of Exact Sciences TAU

10:25 – 10:45  Personalization and Precision in the Treatment of Ovarian Cancer
Tally Levy
Wolfson Medical Center

10:45 – 11:05 Harnessing metabolic vulnerabilities: a novel strategy to overcome endocrine resistance in breast cancer
Ido Wolf
Tel-Aviv Sourasky Medical Center
11:05 – 11:30  
*Coffee Break and Visit the Exhibition*

11:30-13:00  
**Session X**

**COMPUTATIONAL ANALYSIS & MATCHING TECHNOLOGIES**  
Chairs:  
Ron Shamir – Faculty of Exact Sciences  
Eitan Friedman – Sheba Medical Center

11:30 - 11:40 Introduction by the Chair – **Ron Shamir**

11:40 – 12:00 Filtering big data, finding small molecules, lead to precision medicine in breast cancer.  
**Noam Shomron**  
Faculty of Medicine, TAU

12:00 – 12:20 Statistical modeling of stem cell transplantation outcomes: The two cultures.  
**Roni Shouval**  
Sheba Medical Center

12:20 – 12:40 Systems immunology: exploiting computational tools to study the immune cell composition in health and disease  
**Irit Gat Viks**  
Faculty of Life Sciences, TAU

12:40 – 12:50 Epigenetic Mapping of Human Chromosomes in Nanochannel Arrays  
**Hila Sharim**  
Faculty of Exact Sciences TAU

12:50 – 13:00 Deep Proteomic Analysis of the Response to Immunotherapy in Melanoma Patients  
**Michal Harel**  
Faculty of Medicine, TAU

13:00 – 13:15 **Awards ceremony and closing remark** – Dan Peer

**13:30 - Departure**