SCIENTIFIC PROGRAM

WEDNESDAY, NOVEMBER 11, 2015

13:30 - 14:30  Registration and Reception
14:30 - 14:40  Opening Session

OPENING AND GREETINGS

Joseph Klafter | President, Tel Aviv University
Daniel Chamovitz | Dean, Faculty of Life Sciences
Miri Ziv | Director, Israel Cancer Association
Nadir Arber | Head, Cancer Biology Research Center

14:40 - 16:00  SESSION I  TRIBUTE TO PRINCESS MARGARET

Chairs: Shai Izraeli | Sheba Medical Center
        Robert Rottapel | Princess Margaret Cancer Centre

14:40 - 15:00  REGULATION OF PHENOTYPIC DIVERSITY THROUGH
                OXYGEN SENSITIVE SIGNALING PATHWAYS
                Brad Wouters | Princess Margaret Cancer Centre

15:00 - 15:20  SELF-RENEWAL AND THE ORIGINS OF LEUKEMIA
                Norman Iscove | Princess Margaret Cancer Centre

15:20 - 15:40  MULTIPLE MYELOMA TUMOR PROGENITORS:
                ROLE IN DRUG RESISTANCE AND RELAPSE
                Rodger Tiedemann | Princess Margaret Cancer Centre

15:40 - 16:00  TREATMENT OF MULTIPLE MYELOMA USING CAR
                REDIRECTED T CELLS
                Zelig Eshhar | Tel-Aviv Sourasky Medical Center

16:00 - 16:30  Coffee Break

16:30 - 18:15  SESSION II  DIAGNOSTICS AND THERAPEUTICS

Chairs: Boaz Tadmor | Rabin Medical Center
        Raphael Catane | Sheba Medical Center

16:30 - 16:45  GLYCO-NANOPARTICLES FOR CANCER VACCINE
                Vered Padler-Karavani | Tel Aviv University (Life Sci.)

16:45 - 17:00  TELOMEROSES AS A TARGET FOR CANCER THERAPY
                Meir Lahav | Rabin Medical Center
17:00 - 17:15  THE HORMONE KLOTHO: A NOVEL REGULATOR OF TUMOR METABOLISM  
Tami Rubinek | Tel-Aviv Sourasky Medical Center

17:15 - 17:30  TYROSINE KINASE INHIBITORS AND CARDIOVASCULAR DISEASE  
Pia Raanani | Rabin Medical Center

17:30 - 17:45  WHAT IS NEW IN OVARIAN CANCER?  
Tamar Safra | Tel-Aviv Sourasky Medical Center

17:45 - 17:55  SECRETOME OF BONE MARROW MESENCHYMAL STEM CELLS: AN EMERGING PLAYER IN LUNG CANCER PROGRESSION AND MECHANISM OF TRANSLATION INITIATION  
Oshrat Attar-Schneider | Meir Medical Center

17:55 - 18:05  microRNA-BASED NANOGELS FOR COMBATING GLIOBLASTOMA  
Zohar Shatsberg | Tel Aviv University (Med.)

18:05 - 18:15  PROMIS-QUAN: A NOVEL PROTEOMIC METHOD FOR THE DISCOVERY OF BLOOD-BASED CANCER BIOMARKERS  
Michal Harel | Tel Aviv University (Med.)

18:20 - 18:45  FLASH SESSION 1  
Chair: Drorit Neumann | Tel Aviv University (Med.)

18:20 - 18:25  HIGH THROUGHPUT SCREENING OF PRIMARY VERSUS METASTATIC ISOGENIC CELL-LINES REVEALS A NOVEL ROLE FOR SNX18 IN MIGRATION OF MELANOMA  
Maya Goshen | Sheba Medical Center

18:25 - 18:30  REGULATION OF CEACAM1 PROTEIN EXPRESSION IN BRAF-MUTANT HUMAN METASTATIC MELANOMA CELLS  
Karin Kfir | Sheba Medical Center
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18:30 -18:35  GLOBAL PROTEOMIC PROFILING OF RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN LOCALLY ADVANCED BREAST CANCER
Anjana Shenoy | Tel Aviv University (Med.)

18:35 -18:40  DUAL MTOR INHIBITION: A NOVEL TREATMENT STRATEGY TO OVERCOME ENDOCRINE RESISTANCE CAUSED BY ACQUIRED MUTATIONS OF ESTROGEN RECEPTOR (ER) ALPHA
Lotem Shpignen | Tel Aviv Sourasky Medical Center

18:40 -18:45  IN VIVO MOLECULAR IMAGING OF HIF-1α AND SEPTIN 9 INTERACTION BY BIMOLECULAR FLUORESCENCE COMPLEMENTATION
Maya Golan | Tel Aviv Sourasky Medical Center

20:00  Dinner

21:30  SPECIAL GUEST LECTURE
Yohanan Danino | 17th Chief of Israel Police
THURSDAY, NOVEMBER 12, 2015

07:00 - 08:00  Breakfast

08:00 - 08:40  MEET THE EXPERT
John Dick, Robert Rottapel, Brad Wouters, Rama Khokha

08:40 - 10:10  SESSION III  MICE ARE NOT ALONE - ALTERNATIVE PRE-CLINICAL MODELS
Chairs: Neta Erez | Tel Aviv University (Med.)
Nir Peled | Rabin Medical Center

08:40 - 09:00  Introduction Talk
ADULT MAMMARY STEM CELLS AND BREAST CANCER
Rama Khokha | Princess Margaret Cancer Centre

09:00 - 09:15  NEW ASPECTS IN MELANOMA MICRO ENVIRONMENT
Carmit Levy | Tel Aviv University (Med.)

09:15 - 09:25  ASTROGLIOSIS IS INSTIGATED IN A NOVEL MOUSE MODEL OF SPONTANEOUS MELANOMA BRAIN METASTASIS
Hila Schwartz | Tel Aviv University (Med.)

09:25 - 10:00  Keynote Lecture
DEVELOPING THE NEXT GENERATION OF ANGIGENESIS INHIBITION WITH VANUCIZUMAB, A NOVEL BI-SPECIFIC HUMAN ANTIBODY AGAINST ANG-2 AND VEGF-A
Oliver Krieter | Roche Pharmaceuticals Research & Early Development

10:00 - 10:30  Coffee Break and Visit the Exhibition

10:30 - 12:00  SESSION IV IMMUNOTHERAPY - PD1 INHIBITORS AND BEYOND
Chairs: Yoav Henis | Vice President for R&D, Tel Aviv University
Gal Markel | Sheba Medical Center

10:30 - 10:45  STUDYING DESIGN PRINCIPLES FOR BI-SPECIFIC IgGs – THE H-L PAIRING CHALLENGE
Itai Benhar | Tel Aviv University (Life Sci.)
10:45 - 11:00  Glioma Induced Immune Activation - The Glass Half Full  
Ilan Volovitz | Tel Aviv Sourasky Medical Center

11:00 - 11:15  Tumor-Associated Macrophages Promote Tumor Development Through Remodeling of Its Extracellular Matrix  
Chen Varol | Tel-Aviv Sourasky Medical Center

11:15 - 11:30  Precision Therapy: The Wizard Expectations  
Raanan Berger | Sheba Medical Center

11:30 - 11:45  Nature as an Aid to Cancer Therapy: Toxin-Anti-Toxin Concept  
Shiran Shapira | Tel-Aviv Sourasky Medical Center

11:45 - 11:55  Adoptive Cell Therapy with Tumor Infiltrating Lymphocytes: Clinical Results and Correlation to Clinical Success  
Michal Besser | Sheba Medical Center

12:00 - 13:10  Session V  Methodologies

Chairs: Irit Ben-Aharon | Rabin Medical Center  
Ronit Satchi-Fainaro | Tel Aviv University (Med.)

12:00 - 12:15  Proteomics  
Tami Geiger | Tel Aviv University (Med.)

12:15 - 12:30  Mapping of Epigenetic Marks and DNA Damage Sites on Individual DNA Molecules  
Yuval Ebenstein | Tel Aviv University (Exact Sci.)

12:30 - 13:00  How to Read NGS?  
• The Scientist’s Perspective: Exploration of Novel Regulatory Layers Using NGS  
Rani Elkou | Tel Aviv University (Med.)  
• The Geneticist’s Perspective  
Eitan Friedman | Sheba Medical Center, Tel Hashomer  
• The Oncologist’s Perspective  
Ravit Geva | Tel Aviv Sourasky Medical Center
13:00 - 13:10 METHODS IDENTIFYING NEOANTIGEN SPECIFIC T CELLS FOR IMMUNOTHERAPY
Efrat Merhavi-Shoham | Sheba Medical Center

13:15 - 14:30 Djerassi Legacy - Brain Storming Lunch

HEMATOLOGICAL MALIGNANCIIES
Pia Raanani, Shai Izraeli, Rodger Tiedemann, John Dick, Norman Iscove, Mario Dicato

GI MALIGNANCIES
Baruch Brenner, Ravit Geva, Nadir Arber, Catherine O'Brien

BREAST MALIGNANCIES
Ella Evron, Neta Erez, Eitan Friedman

TRANSLATIONAL RESEARCH
Oliver Krieter, Ilan Volovitz, Meir Lahav

ADVANCED TECHNOLOGIES USED FOR DEEP MEDICAL UNDERSTANDING
Vered Padler-Karavani, Ariel Munitz, Noam Shomron

14:30 - 16:30 SESSION VI HEMATOLOGICAL MALIGNANCIES - DOTAN AWARD LAUREATES

Chair: Maya Koren-Michowitz | Assaf Harofe Medical Center
Pia Raanani | Rabin Medical Center

14:30 - 14:50 STUDIES AT THE FOREFRONT OF HEMATOLOGY RESEARCH TARGETING MANTLE CELL LYMPHOMA (MCL) WITH NANOMEDICINES
Dan Peer | Tel Aviv University (Life Sci.)

14:50 - 15:10 INTRACELLULAR αVβ3 INTEGRIN AND NUCLEAR IGF1 RECEPTOR
Osnat Ashur-Fabian | Meir Medical Center

Ariel Munitz | Tel Aviv University (Med.)
15:30 - 15:50  NOVEL SIGNALING PATHWAY IN CLL - PATHOPHYSIOLOGY AND NEW TARGET FOR THERAPY
Yair Herishanu | Tel-Aviv Sourasky Medical Center

15:50 - 16:10  ERG AS AN HEMATOPOIETIC ONCOGENE - CHALLENGES AND OPPORTUNITIES
Shai Izraeli | Sheba Medical Center

16:10 - 16:20  BONE MARROW MESenchymal STEM CELLS’ CONDITIONING BY MULTIPLE MYELOMA CELLS: TRANSLATION INITIATION AS THE PLAYING FIELD
Mahmoud Dabbah | Meir Medical Center

16:20 - 16:30  ERYTHROPOIETIN MEDIATED IMMUNO-SKELETAL EFFECTS IN MULTIPLE MYELOMA - A FRIEND AND FOE
Naamit Deshet-Unger | Tel Aviv University (Med.)

16:30 - 17:00  Coffee Break and Visit the Exhibition

17:00 - 18:15  SESSION VII BIOINFORMATICS

Chair: Metsada Pasmanik-Chor | Tel Aviv University (Life Sci.)
Noam Shomron | Tel Aviv University (Med.)

17:00 - 17:15  METHODOLOGIES FOR EPIGENOME STUDIES AND DIFFERENCES IN METHYLATION PROFILES
Eran Halperin | Tel Aviv University (Life Sci.)

17:15 - 17:30  A NETWORK-BASED ANALYSIS OF COLON CANCER SPLICING CHANGES REVEALS A NOVEL REGULATORY PATHWAY
Gil Ast | Tel Aviv University (Med.)

17:30 - 17:45  STATISTICAL ANALYSIS OF GENOME-WIDE ASSOCIATION STUDIES: CLASSICAL METHODS AND MODERN TWISTS
Saharon Rosset | Tel Aviv University (Exact Sci.)

17:45 - 18:00  CHEMOTHERAPY-INDUCED VASCULAR TOXICITY: THE SEED OF EVIL?
Irit Ben-Aharon | Rabin Medical Center
18:00 - 18:07  COMPREHENSIVE MOLECULAR PROFILING OF TUMOR EVOLUTION IN RESPONSE TO NEOADJUVANT TREATMENT OF BREAST CANCER
Maya Dadiani | Sheba Medical Center

18:07 - 18:15  THE CROSSTALK BETWEEN OMENTAL FAT AND TUMOR CELLS IN GASTROINTESTINAL MALIGNANCIES
Shelly Loewenstein | Tel-Aviv Sourasky Medical Center

18:15 - 20:15  Poster Viewing and Visit the Exhibition

20:30  Dinner

21:30  DANNY SANDERSON LIVE!!!
SCIENTIFIC PROGRAM

FRIDAY, NOVEMBER 13, 2015

07:00 - 08:00  Breakfast

08:00 - 08:45  MEET THE EXPERT
   Catherine O’Brien, Rodger Tiedemann,
   Norman Iscove, Mario Dicato

08:45 - 10:15  SESSION VIII  CANCER STEM CELL OR TUMOR INITIATING CELLS?

   Chairs: Yehudit Birger | Sheba Medical Center
          Mario Dicato | University of Luxemburg

08:45 - 09:05  INTRODUCTION TALK:
   SELF-RENEWAL AS A THERAPEUTIC TARGET IN COLORECTAL CANCER
   Catherine O’Brien | Princess Margaret Cancer Centre

09:05 - 09:20  DE-DIFFERENTIATION AND REPROGRAMMING:
   ORIGINS OF CANCER STEM CELLS
   Dinorah Friedmann-Morvinski | Tel Aviv University (Life Sci.)

09:20 - 09:35  EARLY DIFFERENTIATION DYNAMICS IN EMBRYOID BODIES
   Iftach Nachman | Tel Aviv University (Life Sci.)

09:35 - 09:50  REGULATION OF HEMATOPOIESIS: NORMAL AND LEUKEMIA STEM CELLS
   Michael Milyavsky | Tel Aviv University (Med.)

09:50 - 10:00  CHARACTERIZING THE INTERPLAY BETWEEN CD24 AND THE WNT SIGNALING PATHWAY IN INTESTINAL TUMORIGENESIS
   Ahmad Fokra | Tel-Aviv Sourasky Medical Center

10:00 - 10:10  DISSECTING STAGES OF HUMAN KIDNEY DEVELOPMENT AND TUMORIGENESIS WITH SURFACE MARKERS AFFORTS SIMPLE PROSPECTIVE PURIFICATION OF NEPHRON STEM CELLS
   Naomi Pode Shakked | Sheba Medical Center

10:10 - 10:30  Coffee Break and Visit the Exhibition
11:20 - 11:40  TOPPLING THE RAS PATHWAY: IDENTIFICATION OF A POSITIVE FEEDBACK REQUIRED FOR ONCOGENIC RAS SIGNALING
               Robert Rottapel | Princess Margaret Cancer Centre

11:40 - 12:10  STEM CELLS IN CANCER: DO THEY MATTER?
               John Dick | Princess Margaret Cancer Centre

12:10 - 13:00  Awards Ceremony

13:00  Bus Departure

19:30  Dinner

20:30  MEIR SHALEV - REFLECTIONS ON THE BIBLE’S INTRIGUING STORIES
SUNDAY, NOVEMBER 14, 2015

07:00 - 10:00  Breakfast

09:30 - 10:30  KEYNOTE LECTURE
  Chair: Judith Ben-Porath | Cancer Biology Research Center
  HOW TO INTEGRATE SCIENCE INTO CLINICAL PRACTICE
  Nadir Arber | Tel-Aviv Sourasky Medical Center

10:30  SOCIAL ACTIVITY (OUTDOORS)

17:30  Bus Departure