



## BRIDGING THE GAP: FROM TARGETS TO CLINICAL APPROACHES

### SCIENTIFIC PROGRAM

08:00-09:10 REGISTRATION, VOTING AND VISIT THE EXHIBITION SMOLARZ

09:10-09:40 OPENING REMARKS

- Adit Ben-Baruch** Chair, Organizing Committee  
George S. Wise Faculty of Life Sciences, TAU
- Yona Keisari** President, The Israeli Society for Cancer Research  
Sackler Faculty of Medicine, TAU
- Daniel Chamovitz** Dean, George S. Wise Faculty of Life Sciences, TAU
- Iris Barshack** Associate Dean and Head of Medical School, Sackler  
Faculty of Medicine, TAU

09:40-11:05 PLenary SESSION 1 SMOLARZ

#### ADVANCED DRUG-DESIGN & THERAPY APPROACHES

Chairs: **Cyrille Cohen** (BIU), **Tamar Peretz** (Hadassah)

- 09:40 **Keynote Lecture**  
ADOPTIVE T CELL THERAPY: THE NEXT GENERATION  
**Cassian Yee**, MD Anderson Cancer Center, Houston, TX, USA  
*Sponsored by FISEB - Ilanit*
- 10:10 THE POTENTIAL ROLE OF LIVIN, A REGULATOR OF APOPTOSIS PROTEIN, IN  
CANCER THERAPY  
**Dina Ben-Yehuda**, Dept. Hematology, Hadassah
- 10:30 RNA THERAPEUTICS: NEW ERA IN MOLECULAR MEDICINE?  
**Dan Peer**, Faculty of Life Sciences, TAU
- 10:50 **ISCR BUSINESS SESSION**
- 11:05  **COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION** SMOLARZ

**NETWORK DYNAMICS AT THE TUMOR MICROENVIRONMENT**Chairs: **Lea Eisenbach** (WIS), **Moshe Oren** (WIS)

- 11:25 **Educational Lecture**  
TUMOR - MICROENVIRONMENT INTERACTIONS: THE BIG PICTURE  
**Isaac P. Witz**, Faculty of Life Sciences, TAU
- 11:50 CHRONIC INFLAMMATION INDUCED IMMUNOSUPPRESSION: UNDERLYING MECHANISMS AND CLINICAL IMPLICATIONS IN CANCER  
**Michal Baniyash**, Lautenberg Center for Immunology, HUJI
- 12:10 EOSINOPHILS PROMOTE COLORECTAL CANCER THROUGH EXPRESSION OF S100A8 AND S100A9  
**Hadar Reichman**, Faculty of Medicine, TAU
- 12:20 TUMOR RELATED NEUTROPHILS - A NEW CHALLENGE IN CANCER IMMUNOLOGY  
**Zvi G. Fridlender**, Dept. Internal Medicine, Hadassah
- 12:40 BONE MARROW-DERIVED CAFs ARE A FUNCTIONALLY DISTINCT POPULATION IN THE MICROENVIRONMENT OF BREAST CANCER AND LUNG METASTASES  
**Neta Erez**, Faculty of Medicine, TAU

**TUMOR HETEROGENEITY AND BIOLOGICAL REGULATION**Chairs: **Marcelo Ehrlich** (TAU), **Ronit Pinkas-Kramarski** (TAU)

- 11:25 **Educational Lecture**  
THE TRANSLATION APPARATUS IN THE CANCEROUS CELL  
**Yitzhak Pilpel**, Dept. Molecular Genetics, WIS
- 11:50 THALIDOMIDE DISTINCTLY AFFECTS THE PRODUCTION OF AUTOCRINE FACTORS IN OVARIAN CARCINOMA CELLS  
**Mahmoud Huleihel**, Faculty of Health Sciences, BGU
- 12:10 CAN THE UREA CYCLE ENZYMES REGULATE PH IN CANCER CELLS?  
**Odeya Boukobza**, Dept. Biological Regulation, WIS

12:20 KAPOSI'S SARCOMA-ASSOCIATED HERPESVIRUS: FROM HEALTH CONCERN TO MOLECULAR INSIGHTS

**Ronit Sarid**, Faculty of Life Sciences, BIU

12:40 POST-TRANSLATIONAL MODIFICATION (PTM) PROFILING - A NOVEL TOOL FOR MAPPING THE PTM LANDSCAPE IN CANCER

**Yifat Merbl**, Dept. Immunology, WIS

13:00  **LIGHT LUNCH BREAK, POSTER VIEWING, VISIT THE EXHIBITION** **SMOLARZ**

**14:00-15:20 PLENARY SESSION 2**

**SMOLARZ**

**DORMANCY AND METASTASIS**

Chairs: **Dalit Barkan** (Uni. Haifa), **Eitan Yefenof** (HUJI)

14:00 **Keynote Lecture**

INTRAVITAL MICROSCOPY OF CANCER INVASION, METASTASIS AND THERAPY RESPONSE

**Peter Friedl**, Radboud University, Nijmegen, The Netherlands & MD Anderson Cancer Center, Houston, TX, USA

*Sponsored by EACR*

14:30 TUMOR MICROENVIRONMENT: EXOSOMES IN OVARIAN CARCINOMA AS A PARADIGM

**Reuven Reich**, Faculty of Medicine, HUJI

14:50 IDENTIFYING MOLECULAR SIGNATURES FOR TUMOR DORMANCY AS A BASIS FOR THE DEVELOPMENT OF THERANOSTIC NANOMEDICINES

**Ronit Sachi-Fainaro**, Faculty of Medicine, TAU

15:10 **POSTER AWARD**

15:20  **COFFEE BREAK, POSTER VIEWING AND VISIT THE EXHIBITION** **SMOLARZ**

**15:40-16:55 PARALLEL SESSION 2A**

**SMOLARZ**

**ANGIOGENESIS AND DISEASE PROGRESSION**

Chairs: **Ron Apte** (BGU), **Israel Vlodaysky** (Technion)

15:40 **Keynote Lecture**

OPTIMIZING PDX MODELS FOR NEXT GENERATION PRECISION MEDICINE

**David Sidransky**, Johns Hopkins Cancer Center, Baltimore, MD, USA

- 16:05 SURGICAL EXCISION OF A PRIMARY TUMOR ENHANCES SPONTANEOUS METASTASIS OF BREAST CANCER THROUGH COX-2 AND BETA-ADRENERGIC PATHWAYS  
**Lee Shaashua**, Neuroscience / Psychological Sciences, TAU
- 16:15 SENESENT CELLS COMMUNICATE VIA INTERCELLULAR PROTEIN TRANSFER  
**Anat Biran**, Dept. Molecular Cell Biology, WIS
- 16:25 LYSYL OXIDASE OVEREXPRESSED IN MICE THAT UNDERGO SURGERY MAY PROMOTE METASTASIS  
**Chen Rachman**, Faculty of Medicine, Technion
- 16:35 FULL LENGTH SEMAPHORIN-3C IS AN INHIBITOR OF TUMOR LYMPHANGIOGENESIS AND METASTASIS  
**Gera Neufeld**, Faculty of Medicine, Technion

15:40-16:55 PARALLEL SESSION 2B

KES HAMISHPAT

**GENETIC MODIFICATIONS AND BEYOND**

Chairs: **Izhak Haviv** (BIU), **Varda Rotter** (WIS)

- 15:40 *Keynote Lecture*  
THE PROTEIN INTERACTION MAP OF APOPTOSIS AND AUTOPHAGY: FROM BASIC SCIENCE TO A THERAPEUTIC VISION  
**Adi Kimchi**, Dept. Molecular Genetics, WIS
- 16:05 MACROLIDE INDUCED READ-THROUGH OF APC NONSENSE MUTATIONS IN FAMILIAL ADENOMATOUS POLYPOSIS  
**Michal Caspi**, Faculty of Medicine, TAU
- 16:15 TARGETING THE REPROGRAMMED ENERGY GENERATION SYSTEM OF CANCER CELLS  
**Uri Nir**, Faculty of Life Sciences, BIU
- 16:35 POPULATION SCREENING FOR MUTATIONS IN BRCA1 AND BRCA2 - ARE WE THERE YET?  
**Efrat Levy-Lahad**, Dept. Medical Genetics, Shaare Zedek