



NEW HORIZONS IN NANOMEDICINE

JUNE 24-25TH, 2015 BEIT HATFUSOT, AUDITORIUM BNEI ZION, TEL AVIV UNIVERSITY

JUNE 24TH, 2015 – DAY 1

08:20 – 09:00 Morning Coffee

09:00 – 09:05 **Opening Ceremony** (Chair: **Dan Peer**)

09:05 – 09:10 **Yossi Klafter** – President – TAU

09:10 – 09:15 **Yael Hanein** – Director, Gertner Institute for Medical Nanosystems

09:15 – 09:20 **Dan Peer** – President, ICRS

Session 1: Morning Session – mAbs, ADCs in Cancer and Inflammation

09:30 – 10:20 **Plenary Peter Senter** (Seattle Genetics)

Potent Antibody-Based Conjugates for Cancer Therapy: From Early Stage Research to a Clinically Approved Drug

10:20 – 10:50 **Itai Benhar** (TAU)

Targeted Antifungal Phage Nanomedicines

10:50 – 11:20 Coffee Break

11:20 – 11:50 **Ayelet David** (BGU)

Inhibition of Primary and Metastatic Tumors in Mice by Vascular-Targeted Polymer-Drug Conjugates

11:50 – 12:20 **Ester Segeal** (Technion)

Nanostructured Silicon for Drug Delivery and Diagnostics

12:20 – 12:50 **Roy Weinstain** (TAU)

meso-Methylhydroxy BODIPY: a Scaffold for Photo-Labile Protecting Groups

12:50 – 14:00 Lunch

Session 2: Afternoon Session – Stem Cells, Tissue Engineering and Regenerative Medicine

14:00 – 14:50 **Plenary Jeffrey Karp** (Harvard Medical School)

An Inflammation Responsive Platform for Controlled Drug Delivery

14:50 – 15:20 **Tal Dvir** (TAU)

Advanced Biomaterials for Mending Broken Hearts

15:20 – 15:40 Coffee Break

15:40 – 16:10 **Rachela Popovtzer** (BIU)

Nanomedicine for Cancer Immunotherapy: Tracking Cancer-Specific T-cells in vivo

16:10 – 16:40 **Marcelle Macluf** (Technion)

Cancer gets spooked by nano-ghosts targeted delivery system

16:40 – 17:10 **Rimona Margalit** (TAU)

Mechanism and Efficacy of Macrophage-Targeted Drug-Encapsulating Liposomes in Cardiovascular Repair and in Cancer

JUNE 25TH, 2015 – DAY 2

Session 3: Morning Session – Theranostics in cancer

08:20 – 09:00 Morning Coffee

09:00 – 09:50 **Plenary Twan Lammers** (Aachen University)
Nanomedicines and Theranostics

09:50 – 10:20 **Ronit Satchi-Fainaro** (TAU)
Novel Cancer Models-Based Identification of Targets for the Rational Design of Precision Theranostic Nanomedicines

10:20 – 10:50 Coffee Break

10:50 – 11:20 **Smadar Cohen** (BGU)
A Bridge To Silencing: Co-Assembling Anionic Nanoparticles Of siRNA And Hyaluronan Sulfate Via Calcium Bridges

11:20 – 11:50 **Abraham Rubinstein** (HUJI)
Multimodal Targeted Platforms for in Situ Screening of Colonic Malignancy

11:50 – 12:20 **Ofra Benny** (HUJI)
A Rational Drug-Delivery Approach to Overcoming Tumor Resistance in Anti-Angiogenic Therapy

12:20 – 13:20 Lunch

Session 4: Afternoon Session – new delivery concepts and integrated material sciences

13:20 – 14:00 **Plenary Yanjun Zhao** (Tianjin University)
Polymeric Conjugate Micelles for On-Demand Drug Delivery

14:00 – 14:30 **Avi Schroeder** (Technion)
Personalized Programmed Nanomedicines

14:30 – 15:00 **Simon Benita** (HUJI)
An Innovative Nano-Delivery System for Duchenne Muscular Dystrophy Potential Improved Treatment

15:00 – 15:30 Coffee Break

15:30 – 16:00 **Boaz Mizrahi** (Technion)
Liquid Polymers for Drug Delivery and Regenerative Medicine

16:00 – 16:30 **Roey Amir** (TAU)
Enzyme Responsive Micellar Nano-Carriers

16:30 – 16:55 **Yechezkel (Chezy) Barenholz** (HUJI)
Liposomes' Based Steroidal Nano-Drug Prevents Cerebral Malaria

16:55 – 17:05 **Closing – Dan Peer**