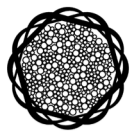


Sackler Faculty
of Medicine
Tel Aviv University



The Center for Physics and
Chemistry of Living Systems
Tel Aviv University



Biomaterials for Medical Application Symposium

July 25th, 2022

The Steinhardt Museum of Natural History, Tel Aviv University

08:30 Registration, gathering and coffee

09:00 Opening remarks

09:10-10:30 Session I

Biomaterials Applications

Chair: Ben Maoz

09:10 Rachela Popovzter (BIU)

The Beauty of Gold: Endless Configurations for Personalized Cancer and Brain Disease Therapies

09:30 Boaz Mizrahi (Technion)

Multi-Armed Polymers as Tissue Adhesives: Fundamentals to Medical Glue-Gun

09:50 Tal Dvir (TAU)

Tissue Engineering: From 3d Printed Tissues to Bionic Organs

10:10 Galia Blum (HUJI)

Chemical Tools for Detection and Treatment of Immunotherapy Resistant Cancers

10:30-11:00 Coffee break

11:00 - 12:00 Session II

Structure and Properties

Chair: Michal Halperin-Sternfeld (TAU)

11:00 Dror Seliktar (Technion)

Gels in Biomedicine: Controlling Structure to Improve Performance

11:20 Ulyana Shimanovich (WIS)

Self-Assembly in Silk Biomaterials

11:40 Lihi Adler Abramovich (TAU)

Biomaterials for Tissue Regeneration

12:00-12:45 Lunch break

12:45-13:30 Keynote talk

Ana Paula Pêgo (i3S/INEB, University of Porto, Portugal)

Neural Regenerative Engineering: Breaking Barriers with Nano Biomaterials

13:30-14:10 Session III

Metabolites, Peptides and Lipides

Chair: Gali Fichman (HUJI)

13:30 Ehud Gazit (TAU)

Metabolite and Peptide Materials: Unique Biological, Chemical and Physical Properties

13:50 Avi Schroeder (Technion)

Lipid Nanoparticles that Accumulate in the Reproductive and Nervous Systems

14:10-14:40 Coffee break

14:30-15:50 Session IV

Biomaterials for Therapeutic Applications

Chair: Moran Aviv (TAU)

14:40 Ayala Lampel (TAU)

Biomaterial Synthesis in Artificial Liquid Organelles

15:00 Ofra Benny (HUJI)

"Precision Nanoparticles for Drug Delivery with Remote Control for Cancer Therapy"

15:20 Assaf Zinger (Technion)

From Drug Delivery to Cell Communication- Targeting Diseased Tissues the Cell Way

15:40 Concluding remarks

Register to attend

<https://docs.google.com/forms/d/e/1FAIpQLSdxJ3r7q8H7QYNqybfpatJZYSCeQo2oEzOU5WLFPLkNa5aw/viewform>

Organizing committee: Lihi Adler-Abramovich, Ben Maoz