



# Gene Therapy Hub meeting

## Dec 7, 2022

08:00 Registration and Morning Refreshments

09:00 Welcome Address

09:15 **KEYNOTE LECTURE 1**

**Tambet Teesalu**, University of Tartu, Estonia

Vascular homing peptides: discovery and application for precision delivery of drugs and nanoparticles

10:00 **Yaron Carmi**, Tel Aviv University, Israel

Challenges in developing CAR macrophages

10:20 **Anat Globerson Levin**, TASMC, Israel

CAR T cells; looking toward the future of CAR T treatment

10:40 **Elad Jacoby**, Sheba Medical Center, Israel

Lessons from CD19 CAR-T cells: Why do we (still) fail?

11:00 **Coffee Break**

11:30 **Dinorah Friedmann-Morvinski**, Tel Aviv University, Israel

Novel strategies to enhance the efficacy of CAR T-cell immunotherapy in glioblastoma

11:50 **Cyrille Cohen**, Bar-Ilan University, Israel

Reprogramming T cell immunity to enhance immunotherapy:  
from protein engineering to bedside

12:10 **Gal Cafri**, Sheba Medical Center, Israel

Restoring antiviral T-cell immunity in immunocompromised patients

12:30 **SHORT TALKS**

12:30 **Lior Ankol, ..., Eran Perlson**, Tel Aviv University, Tel Aviv

miR126 5P as a therapeutic target in ALS pathology

12:36 **Aviva Fattal-Valevski, ..., Liora Sagi**, Tel Aviv University and Dana-Dwek Children Hospital

Real-Life outcomes after gene replacement therapy for spinal muscular atrophy: a multicenter experience

12:42 **Roy Rabinowitz, ..., Dani Ofen**, Tel Aviv University, Tel Aviv

Identification and Characterization of Novel CRISPR-SpyCas9 High-Fidelity Variants using Entropy-based Deep Mutational Scanning

12:50 **Lunch**

14:00 **KEYNOTE LECTURE 2**

**Pedro Lowenstein**, University of Michigan, USA

Large scale spatio-temporal organization of brain tumors: from oncostreams to liquid crystals

14:45 **Eric Shifrut**, Tel Aviv University, Israel

CRISPR discovery platforms for T cell therapies

15:05 **Vered Padler-Karavani**, Tel Aviv University, Israel

Aiming at the sweet spot of cancer

15:25 **Edo Kon**, Tel Aviv University, Israel

Development of an effective mRNA-LNP Vaccine against a highly lethal bacterium

15:45 **Adi Barzel**, Tel Aviv University, Israel

In vivo engineering of B cells and T cells

16:05 Closing Remarks