



The George S. Wise  
Faculty of Life Sciences  
Tel Aviv University

## The Shmunis School of Biomedicine and Cancer Research

# SCHOOL ANNUAL SYMPOSIUM DAN Tel-Aviv - May 20, 2024

**07:45 – 08:30** **Bus pickup at TAU** (buses will leave from Gate 2; The Steinhardt Museum of Natural History, TAU)

**08:30 – 09:15** **Coffee and Gathering**

**09:15 – 09:40** **Welcome and Greetings**  
**Anat Herskovits** \ Head of Shmunis School  
**Prof. Ariel Porat** \ President of Tel Aviv University  
**Nufar Buchshtab** \ PhD Student

### Session 1: Chair: Itai Benhar

**09:40 – 09:55** **Shir Mandelboum** (Orna Elroy-Stein) – Strategies of gene expression in primary astrocytes heavily involve translation regulation

**09:55 – 10:10** **Eric Silberman** (Tal Dvir) – Post-maturation reinforcement of 3D-printed vascularized cardiac tissues

**10:10 – 10:25** **Kobi Simpson-Lavy** (Martin Kupiec) – A poly-HISTIDINE sensor controls the response of *S. cerevisiae* AMPK to environmental conditions

**10:25 – 10:40** **Shahd Qassem** (Dan Peer) – Exploring Lipid Nanoparticles as a Smart Platform for the Efficient Delivery of Antisense Oligonucleotides

**10:40 – 10:55** **Rachel Brendes-Leibovitz** (Irit Gat Viks) – Sepsis pathogenesis and outcome is shaped by the balance between transcriptional states of systemic inflammation and antimicrobial resistance

**10:55 – 11:10** **Deepak Kumar Choudhary** (Uri Gophna) – Role of Cyclic-oligonucleotide-based antiphage signaling system (CBASS) beyond immunity



The George S. Wise  
Faculty of Life Sciences  
Tel Aviv University

## The Shmunis School of Biomedicine and Cancer Research

**11:10 – 11:40 Coffee break**

**Session 2: Chair: Ayala Lampel**

**11:40 – 12:30 Flash talks (3 min)**

**Order of speakers:**

- **Chaitanya Patel** (Gerardo Z. Lederkremer)
- **Inbar Czaczkes** (Eran Bacharach)
- **Itai Katzir** (Ayala Lampel)
- **Adi Ben Zvi** (Adi Stern)
- **Uri Sprecher** (Miguel Weil)
- **Edo Dotan** (Tal Pupko)
- **Vladimir Gritsenko** (Judith Berman)
- **Hagar Ben Yaakov** (Adit Ben-Baruch)
- **Guy Shur** (David Burstein)
- **Maharrish Chelladurai** (Isaac P. Witz)
- **Hagar Vardi-Naim** (Yariv Wine)
- **Sharon Yehuda** (Vered Padler-Karavani)
- **Nitzan Aframian** (Avigdor Eldar)
- **Sucheta De** (Marcelo Ehrlich)

**12:30 – 13:15 Mentalist – Yaron Zigi**

**13:15 – 14:15 Lunch**

**14:15 – 15:15 Poster session**

**15:15 – 16:15 Beer & Fun**

**16:15 – 16:30 Gal Finkelstein-Zuta** (Ehud Gazit) – A self-healing multispectral transparent adhesive peptide glass

**16:30 – 16:50 Awards ceremony:**  
Shmunis Excellence scholarships  
Excellence Posters  
Excellence Lectures

**17:00 – Bus pickup to TAU** (busses will leave to Gate 2;  
The Steinhardt Museum of Natural History, TAU)