



Tel Aviv University

# THE SHMUNIS SCHOOL OF BIOMEDICINE AND CANCER RESEARCH

NEWSLETTER / FEBRUARY 2021

## AWARDS AND ACHIEVEMENTS

### **Prof. Marcelo Ehrlich, Dr. Dudu Burstein**

- Awarded Outstanding Lecturers by the TAU'S Rector, for the academic year Of 2019/2020.



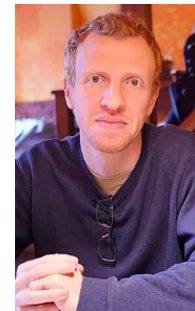
### **Prof. Adi Stern**

- Received tenure and was promoted to Associate Professor.



### **Vadim (Dani) Dubinsky, Ph.D. Student, Gophna Lab**

- Awarded Excellent Research Student Prize of the Edmond J. Safra Center for bioinformatics for 2021.



## A BIG WELCOME TO OUR NEW STUDENTS

### **M.Sc.**

- Mika Golan - Prof. Martin Kupiec
- Roey Levinger - Dr. Tzachi Hagai
- Dar Herskovith - Prof. Gil Segal
- Ido Dotan - Prof. Tal Pupko, Prof. Adi Stern

### **Ph.D.**

- Sharon Navoc - Prof. Eliora Ron, Prof. Uri Gophna
- Yiftach Peretz - Prof. Martin Kupiec, Prof. Roded Sharan





# MEDIA

## Prof. Eran Bachrah

- **YouTube:** *Virology's Videocast Episode 2, Episode 3, Episode 4*



## Prof. Johnny Gershoni

- *Variants and Vaccination Keshet 12, Kan Radio, Walla Health, Powerbirth*



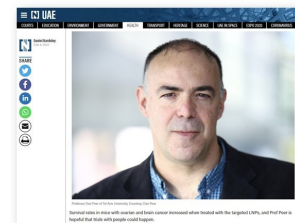
## Prof. Vered Padler-Karavani

- *Walla News, Jewish Press, Israel365news, Jerusalem Post, israel21c, medical-press, News-Medical and TV interview at Kan 11 news: The article Association between Neu5Gc carbohydrate and serum antibodies against it provides the molecular link to cancer.*



## Prof. Dan Peer

- **UAE.** *From crude surgery to gene editing: how cancer treatments evolved over the years.*



## Prof. Tal Pupko

- **SENA,** *Nature Magazine 2020 Mentoring in Science Award.*



## Prof. Adi Stern

- **YouTube,** *Virology's Videocast. Episode 3*
- **Dreus Magazine,** *The whole truth about the coronavirus vaccine, by specialists at Tel Aviv University*



## Dr. Yariv Wine

- **Kan Radio,** *The L.A Variant.*

Toute la vérité sur le vaccin contre le coronavirus, par les spécialistes de l'Université de Tel-Aviv



## PUBLICATIONS

### **Prof. Eran Bachrach, Prof. Marcelo Ehrlich, Prof. Isaac Witz**

- Constitutive low expression of antiviral effectors sensitizes melanoma cells to a novel oncolytic virus. Dellac S, Ben-Dov H, Raanan A, Saleem H, Zamostiano R, I, Semyatich R, Lavi S, Witz I, Bacharach E, Ehrlich M, **Int J Cancer**. 2020 Nov 16. [doi: 10.1002/ijc.33401](https://doi.org/10.1002/ijc.33401) >>
- Oncolytic Virotherapy: The Cancer Cell Side. Bacharach E, Ehrlich M. **Cancers** 2021, 13(5), 939; [doi.org/10.3390/cancers13050939](https://doi.org/10.3390/cancers13050939) >>

### **Prof. Adit Ben-Baruch**

- Inflammation-Driven Breast Tumor Cell Plasticity: Stemness/EMT, Therapy Resistance and Dormancy. Baram T, Rubinstein-Achiasaf L, Ben-Yaakov H, Ben-Baruch A. **Front Oncol**. 2021 Jan 26;10:614468. [doi: 10.3389/fonc.2020.614468](https://doi.org/10.3389/fonc.2020.614468) >>  
Prof. Eran Bachrach

### **Prof. Ehud Gazit, Prof. Dan Segal**

- Inhibition of tau amyloid formation and disruption of its preformed fibrils by Naphthoquinone-Dopamine hybrid. Paul A, Viswanathan GK, Huber A, Arad E, Engel H, Jelinek R, Gazit E, Segal. D. **FEBS J**. 2021 Feb 1. [doi: 10.1111/febs.15741](https://doi.org/10.1111/febs.15741). Online ahead of print. PMID: 33523571 >>

### **Prof. Martin Kupiec**

- A novel role for Dun1 in the regulation of origin firing upon hyper-acetylation of H3K56. Gershon L, Kupiec M. **PLoS Genet**. 2021 Feb 18;17(2):e1009391. [doi: 10.1371/journal.pgen.1009391](https://doi.org/10.1371/journal.pgen.1009391). Online ahead of print. PMID: 33600490 >>

### **Prof. Dan Peer**

- Design of SARS-CoV2 hFc-Conjugated Receptor-Binding Domain mRNA Vaccine Delivered via Lipid Nanoparticles. Elia U, Ramishetti S, Rosenfeld R, Dammes N, Bar-Haim E, Somu Naidu G, Makdasi E, Yahalom-Ronen Y, Tamir H, Paran N, Cohen O, Peer D. **ACS Nano**, 2021 Jan 22:acs.nano.0c10180. [doi: 10.1021/acsnano.0c10180](https://doi.org/10.1021/acsnano.0c10180). Online ahead of print. PMID: 33480671 >>

### **Prof. Tal Pupko**

- Harnessing Machine Learning To Unravel Protein Degradation in Escherichia coli. Nagar N, Ecker N, Loewenthal G, Avram O, Ben-Meir D, Biran D, Ron E, Pupko T. **mSystems**. 2021 Feb 2;6(1):e01296-20. [doi: 10.1128/mSystems.01296-20](https://doi.org/10.1128/mSystems.01296-20). PMID: 33531410 >>



## PUBLICATIONS

### **Prof. Tal Pupko, Prof. Yariv Wine**

- *PASA: Proteomic analysis of serum antibodies web server.* Avram O , Kigel A , Vaisman-Mentesh A, Kligsberg S, Rosenstein S, Dror Y, Pupko T, Wine Y. **PLOS Computational Biology**. January 25, 2021 ; [doi.org/10.1371/journal.pcbi.1008607](https://doi.org/10.1371/journal.pcbi.1008607) >>

### **Prof. Beka Solomon**

- *Amyloid precursor protein is a restriction factor that protects against Zika virus infection in mammalian brains.* Lingel A, Lin H, Gavriel Y, Weaver E, Polepole P, Lopez V, Lei Y, Petro T, Solomon B, Zhang C and Zhang L. **J.Biol. Chem.** (2020) 295(50) 17114–17127, [doi.10.1074/jbc.RA120.015165](https://doi.org/10.1074/jbc.RA120.015165) >>

### **Prof. Yariv Wine**

- *Rapid seroconversion and persistent functional IgG antibodies in severe COVID-19 patients correlates with an IL-12p70 and IL-33 signature.* Munitz A, Edry-Botzer L, Itan M, Tur-Kaspa R, Dicker D, Marcoviciu D, Goren MG, Mor M, Lev S, Gottesman T, Muhsen K, Cohen D, Stein M, Qimron U, Freund NT, Wine Y, Gerlic M. **Sci Rep.** 2021 Feb 10;11(1):3461. [doi: 10.1038/s41598-021-83019-0](https://doi.org/10.1038/s41598-021-83019-0). PMID: 33568715 >>

## SOCIAL MEDIA

**Follow Us on Twitter [@ShmunisR](https://twitter.com/ShmunisR)**

**And don't forget to mention us, on your future tweets!**

