URI SPRECHER

PhD. Student, TAU

PROFILE

My name is Uri and I am currently pursuing a PhD in Biology at Tel Aviv University. My research is focused on rare disorders called GSD's. I utilize cutting-edge technology and sophisticated statistical analysis tools to model fibroblasts from patients and to evaluate potential drugs for these disorders.
Through my research, I have established three effective models of GSD's which have helped me to identify a drug for APBD, a neurogenerative GSD. This drug is currently being provided as compassionate treatment for patients.
I am currently leading a project to identify potential drugs for other GSD's using various experimental procedures and my expertise in data analysis and statistical modeling. Moreover, I contributed to a project that established a fibroblast model for Huntington disease.
As a highly motivated and dedicated researcher, I am passionate about exploring the intricacies of my area of study and applying my findings to solve real-world problems.

CONTACTS

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https://www.linkedin.com/in/uri-sprecher-7767379b/

GitHub:
https://github.com/Urisprecher

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uri8sp@gmail.com

Address:
Hoofien 7, Tel-Aviv

SKILLS

- Languages: Hebrew, English
- Programing Languages: Python, R
- Experience with scientific data analysis and imaging
- Experience in fundamental concepts in biology & statistics

EDUCATION

Tel Aviv University
2021 – present
Direct PhD. Track, Establishing primary fibroblasts from Glycogen Storage Disorders patients as a predictive or personalized drug evaluation model using high content analysis, omics and computational meta-analysis tools, under the supervision of Prof. Miguel Weil, the Shmunis School of Biomedicine and Cancer Research, the George S. Wise Faculty for Life Sciences, Sagol School of Neurosciences, Tel Aviv University

Tel Aviv University
2020 – 2022
Master in biology

Tel Aviv University
2017 – 2020
B. A in biology,

"Sieem" Campus at Tel Aviv University
2012
Physical education and sports studies (as a gym instructor and basketball instructor)

Ironi-Daled High School, Tel Aviv
2009-2011
Full matriculation (Extended professions: sports and chemistry)

WORK EXPERIENCE

Tel Aviv University
2021-present
Teaching assistant – molecular cell biology lab course, the George S. Wise Faculty for Life Sciences

The Good Chocolate
2015- present
Internet and Social Media Marketing Manager

Independent
2012-2013, 2015 - present
Personal fitness coach and basketball coach

Teva Bari
2015 - 2018
Operations and Delivery

Independent
2011-2012
Flower Marketer

MILITARY SERVICE

Head of a clinic,7th Brigade, Armored Corps
2014 - 2015
The position required compliance with many tasks in unconventional working conditions, responsibility for equipment and manpower and high-level organizational, command and order capabilities, cooperation with senior ranks.

Squad medic in the 7th Brigade, Armored Corps
2013 - 2014
Squad medic in the 7th Brigade, Armored Corps (senior medical authority in the company, responsibility for the health of the company's soldiers, training of the company's soldiers, management of routine and emergency medical incidents)

Combat medic in the 7th Brigade, Armored Corps
2012 - 2013

PUBLICATIONS

1. O. Kakhlon*, H. Vaknin, K. Mishra, J. D'Souza, M. Marisat, **U. Sprecher**, S. Wald-Altman, A. Dukhovny, Y. Raviv, B. Da'adoosh, H. Engel, S. Benhamron, K. Nitzan, S. Sweetat, A. Permyakova, A. Mordechai, H. O. Akman, H. Rosenmann, A. Lossos, J. Tam, B. A. Minassian, M. Weil. Alleviation of a polyglucosan storage disorder by enhancement of autophagic glycogen catabolism. EMBO Mol. Med., 2021 https://www.embopress.org/doi/full/10.15252/emmm.202114554

2. S. Gharaba, O. Paz, L. Feld, A. Anastasia, M. Weinrab, N. Muchtar, A. Baransi, A. Shalem**, U. Sprecher**, L. Wolf, H. Wolfenson, M. Weil. Perturbed actin cap as a new personalized biomarker in primary fibroblasts of Huntington's disease patients. Frontiers in Cell and Developmental Biology. 2023 https://www.frontiersin.org/articles/10.3389/fcell.2023.1013721/full

3. **U Sprecher**, J D'Souza, K Mishra, A Canella
Miliano, G Mithieux, F Rajas, S Avraham, Y Anikster, O Kakhlon, M Weil. Imprinted cell memory in glycogen storage disorder 1a. https://www.biorxiv.org/content/10.1101/2023.02.20.529109v12023 submitted for publication.

CONFERNCE AND POSTERS APPEARANCES

1. SSIEM Annual International Symposium 2023, to be held at the ICC Jerusalem - International Convention Center, Israel on 29 August - 1 September, 2023**.- Poster presentation.**