

Academic Degrees

- 2024-Current, Technion, PhD. In Chesmitry.
- 2021-2024, Weizmann Institute of Science, M.Sc. in Neurobiology, **90.8**.
- 2018-2021, Hebrew University, B.Sc. in Chemistry and Biology, **93.02**.

Research Experience

- Animals (mice): Behavioral studies, IP injections, brain tissue collection.
- FACS.
- Confocal and fluorescence microscopy.
- Organic synthesis.
- Cells: Transfection, infection, transformation.
- Plasmid cloning.
- HPLC.
- LC/MS.

Teaching Experience

- 2024-Current, Organic Chemistry Lab, Undergraduate.
- 2024-Current General Chemistry, Undergraduate.
- 2020-2024, Chemistry Teacher, Make It School.

Awards

- B.Sc. in Chemistry & Life Sciences, Graduated with Honors (2021).
- Dean's List (2019).

Publications

- Jincheng Shi*, **Boaz Nutkovich***, Dahlia Kushinsky*, Bovey Y. Rao*, Stephanie A. Herrlinger*, et al. "2P-NucTag: on-demand phototagging for molecular analysis of functionally identified cortical neurons". **Neuron**, **2026; 0**

Patents

Ivo Spiegel, Dahlia Kushinsky, **Boaz Nutkovich**, Attila Losonczy and Jincheng Shi, "2p-Nuctag – on-Demand Phototagging for Molecular Analysis of Functionally Identified Cortical Neurons", 2024.

Conferences

Poster Presentation

“Activity-Based Optical Sensors for Studying CO₂ Production In-Cellulo and In-Vivo”, ICS Conference, 11/02/2026, **Boaz Nutkovich**, Ori Green.

“Near Infra-Red Fluorescent Probe Based on Silicone Rhodamine for CO₂ sensing”, MCS-ICS Conference, 04/08/2025, **Boaz Nutkovich**, Ben Reddan, Eoin Cummins and Ori Green.

Flash Talks

“Activity-Based Optical Sensors for Studying CO₂ Production In-Cellulo and In-Vivo”, ICS Conference, 11/02/2026, **Boaz Nutkovich**, Ori Green.

Special Activities

- 2018-2021 Student Representative, B.Sc. in Chemistry and Biology.