

# ISRAEL'S BRAIN GAIN

52 STEM LABS FOUNDED *SINCE 2016*

## ZUCKERMAN STEM LEADERSHIP PROGRAM FACULTY SCHOLARS



**Danny Ben-Zvi**  
OBESITY / METABOLISM  
The Hebrew University of Jerusalem  
*Since 2017*



**Igal Berenshtein**  
MARINE POLLUTION / LARVAL DISPERSAL AND CONNECTIVITY  
University of Haifa  
*Since 2023*



**Gili Bisker**  
NANOTECHNOLOGY / BIOPHYSICS / OPTICS / SENSORS  
Tel Aviv University  
*Since 2018*



**Alex Brodsky**  
CIVIL & ENVIRONMENTAL ENGINEERING / EXTREME LOAD TESTING  
Ben-Gurion University of the Negev  
*Since 2022*



**Yaron Bromberg**  
COMPLEX PHOTONICS  
The Hebrew University of Jerusalem  
*Since 2016*



**David Deutsch**  
NEUROSCIENCE / SOCIAL COMMUNICATION / BRAIN IMAGING  
University of Haifa  
*Since 2022*



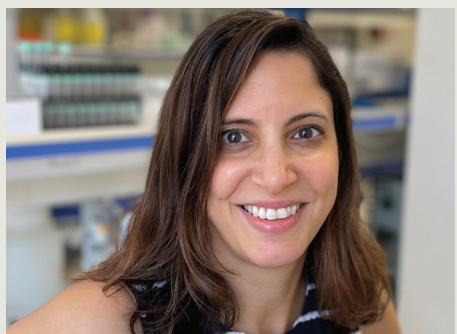
**Moran Dvela-Levitt**  
INTRACELLULAR TRAFFICKING / PROTEOSTASIS / KIDNEY DISEASES  
Bar-Ilan University  
*Since 2020*



**Baran Eren**  
SURFACE PHYSICS / INTERFACE CHEMISTRY  
Weizmann Institute of Science  
*Since 2018*



**Arielle Fischer**  
BIOMECHANICS / BIOROBOTICS / WEARABLE TECHNOLOGY  
Technion-Israel Institute of Technology  
*Since 2020*



**Gali (Galit) Fichman**  
BIOMATERIALS / DRUG, NUTRIENT & BACTERIA DELIVERY  
The Hebrew University of Jerusalem  
*Since 2022*



**Limor Freifeld**  
NEURO-ENGINEERING  
Technion-Israel Institute of Technology  
*Since 2019*



**Ariella Glasner**  
CANCER IMMUNOTHERAPY / GENERAL & TUMOR IMMUNOLOGY  
Technion-Israel Institute of Technology  
*Since 2022*



**Ido Goldstein**  
LIVER BIOLOGY / FASTING / BIOPHYSICS / MORPHOGENESIS  
The Hebrew University of Jerusalem  
*Since 2019*



**Assaf Hamo**  
SCANNING PROBES / CONDENSED MATTER / QUANTUM TECHNOLOGY  
Bar-Ilan University  
*Since 2022*



**Itamar Harel**  
AGING / GENETICS  
The Hebrew University of Jerusalem  
*Since 2018*



**Yachin Ivry**  
NANO & QUANTUM FUNCTIONAL STRUCTURES  
Technion-Israel Institute of Technology  
*Since 2016*



“At a time when collaboration is essential to advanced scientific research, this program gives the next generations of leading American and Israeli academics the ability to work together on cutting-edge research in ways that stand to benefit their fields for years to come.”

– Mortimer B. Zuckerman



**Danielle Karo-Atar**  
HOST-PATHOGEN INTERACTIONS / IMMUNOLOGY  
Ben-Gurion University of the Negev  
*Since 2023*



**Eyal Karzbrun**  
HUMAN STEM CELLS / BIOPHYSICS / MORPHOGENESIS  
Weizmann Institute of Science  
*Since 2023*



**Yael Kiro**  
EARTH SCIENCES / GEOCHEMISTRY / PALEOCLIMATE  
Weizmann Institute of Science  
*Since 2020*



**Geffen Kleinstern**  
CANCER EPIDEMIOLOGY / GENETIC EPIDEMIOLOGY  
University of Haifa  
*Since 2021*



**Joseph Lefkowitz**  
COMBUSTION / PLASMA CHEMISTRY / DIAGNOSTICS  
Technion-Israel Institute of Technology  
*Since 2018*



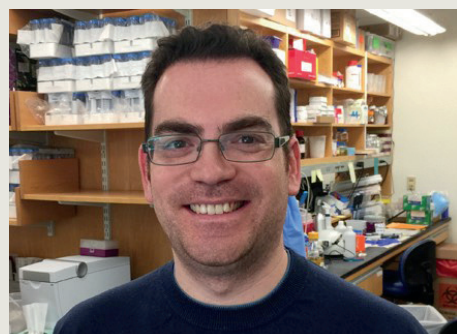
**Angelica Elkan**  
LOREM IPSUM  
Tel Aviv University  
*Since 2024*



**Maya Maor-Nof**  
LOREM IPSUM  
Technion-Israel Institute of Technology  
*Since 2024*



**Dar Weiss**  
LOREM IPSUM  
Tel Aviv University  
*Since 2024*



**Lior Lobel**  
MICROBIOME / HOST-MICROBE INTERACTIONS / PROTEOMICS  
Bar-Ilan University  
*Since 2021*



**Yisroel Mirsky**  
MACHINE LEARNING / CYBER SECURITY  
Ben-Gurion University of the Negev  
*Since 2021*



**Yaara Oren**  
MOLECULAR CELL BIOLOGY / PERSISTENT CELLS / CANCER  
Tel Aviv University  
*Since 2022*



**Ishay Pomerantz**  
NUCLEAR PHOTONICS  
Tel Aviv University  
*Since 2016*



**Omri Ram**  
HIGH SPEED FLOWS / MULTIPHASE FLOWS / SHOCK WAVES  
Technion-Israel Institute of Technology  
*Since 2021*



**Michal Ramot**  
NEUROSCIENCE / NEUROIMAGING  
Weizmann Institute of Science  
*Since 2021*



**Omer Revah**  
NEURODEVELOPMENTAL DISORDERS / MAMMALIAN SOCIABILITY  
The Hebrew University of Jerusalem  
*Since 2023*



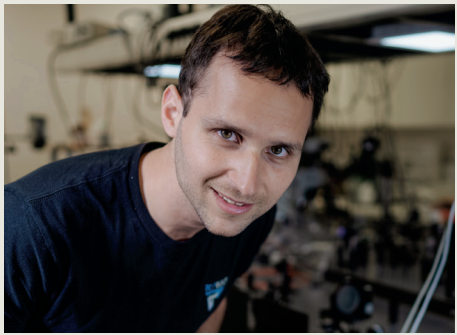
**Gal Vardi**  
LOREM IPSUM  
Weizmann Institute of Science  
*Since 2024*



**Liron David**  
LOREM IPSUM  
Ben-Gurion University of the Negev  
*Since 2024*



**Lidor Shaar-Moshe**  
LOREM IPSUM  
University of Haifa  
*Since 2024*



**Alon Ron**  
QUANTUM MATTER / ULTRAFAST SPECTROSCOPY  
Tel Aviv University  
*Since 2020*



**Dekel Rosenfeld**  
NEUROSCIENCE / NANOTECHNOLOGY / TISSUE ENGINEERING  
Tel Aviv University  
*Since 2021*



**Osip Schwartz**  
QUANTUM INTERACTIONS OF LIGHT & ELECTRON WAVES  
Weizmann Institute of Science  
*Since 2022*



**Moran Shalev-Benami**  
STRUCTURAL BIOLOGY / CELLULAR SIGNALING  
Weizmann Institute of Science  
*Since 2019*



**Yoav Shechtman**  
MICROSCOPY / DEEP LEARNING / COMPUTATIONAL IMAGING  
Technion-Israel Institute of Technology  
*Since 2017*



**Daphna Shimon**  
PHYSICAL CHEMISTRY / NUCLEAR MAGNETIC RESONANCE / DYNAMIC NUCLEAR POLARIZATION  
The Hebrew University of Jerusalem  
*Since 2021*



**Neta Shlezinger**  
FUNGAL IMMUNOLOGY / DEEP LEARNING / PATHOGEN INTERACTIONS / EUKARYOTIC PATHOGENS  
The Hebrew University of Jerusalem  
*Since 2020*



**Sivan Pearl Mizrahi**  
LOREM IPSUM  
The Hebrew University of Jerusalem  
*Since 2024*



**Yaniv Shlosberg**  
LOREM IPSUM  
Ariel University  
*Since 2024*



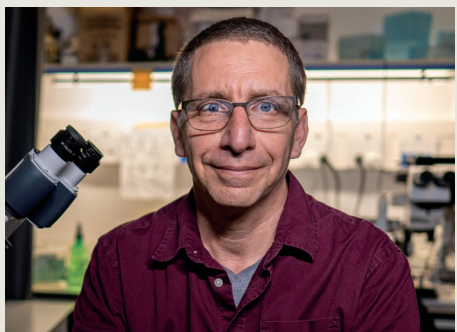
**Yishay Pinto**  
LOREM IPSUM  
Bar-Ilan University  
*Since 2024*



**Pavel Sidorenko**  
LASER PHYSICS / MODE-LOCKED FIBER LASERS  
Technion-Israel Institute of Technology  
*Since 2023*



**Hadas Soifer**  
LIGHT-MATTER INTERACTIONS / QUANTUM MATERIALS  
Tel Aviv University  
*Since 2019*



**Ivo Spiegel**  
GENOMICS / NEUROSCIENCE  
Weizmann Institute of Science  
*Since 2016*



**Shani Stern**  
INDUCED PLURIPOTENT STEM CELLS / BRAIN DISORDERS  
University of Haifa  
*Since 2020*



**Itay Tirosh**  
CANCER / COMPUTATIONAL & SYSTEMS BIOLOGY  
Weizmann Institute of Science  
*Since 2017*



**Yossi Weizmann**  
SYNTHETIC NUCLEIC ACID & PLASMONIC NANOMATERIALS  
Ben-Gurion University of the Negev  
*Since 2020*



**Omri Wurtzel**  
ORGANISMAL REGENERATION / STEM CELLS  
Tel Aviv University  
*Since 2017*



**Moran Yadid**  
BIOMEDICAL ENGINEERING / REGENERATIVE MEDICINE  
Bar-Ilan University  
*Since 2023*



Since establishing the Zuckerman Faculty Scholars Program in 2016, the Zuckerman Institute has accelerated Israel's brain gain by supporting the return of 52 scientists to Israel - leading researchers in their fields - and funding construction of 52 new state-of-the-art labs at seven Israeli universities.

Zuckerman funding supports the purchase of singular cutting-edge technology and equipment, making Israel a global research leader in medicine, quantum technology, neuroscience, nanotechnology, nuclear photonics, neuro engineering, and numerous STEM fields.

The Zuckerman STEM program provides vital resources to Israel's universities, including Ariel University, Bar-Ilan University, Ben-Gurion University, University of Haifa, The Hebrew University of Jerusalem, Technion - Israel Institute of Technology, Tel Aviv University, and the Weizmann Institute of Science, allowing them to compete with top North American institutions for the most promising candidates.