

ISEF ALUMNI IN ACADEMIA: Weizmann Institute of Science



DR. HAIM SUCHOWSKI, WEIZMANN INSTITUTE ALUMNUS

Professor, Department of Physics, Tel Aviv University

“Dr. Chaim Weizmann once said ‘Not by science alone shall we win through. Let us build a fresh bridge between science and the spirit of man.’ I believe that ISEF provides that missing bridge between science, culture and identity.”

ISEF International-Fulbright Fellow, Postdoc in Nano-Photonics, Engineering Department, UC- Berkeley 2011-2014
ISEF M.Sc. and Ph.D. Scholar, Physics, Weizmann Institute of Science 2005-2006

Haim is one of Israel’s leading researchers in the field of Nano-Photonics and ultrafast Physics, heading a state-of-the-art laboratory at Tel Aviv University. His research explores ultrafast dynamics in condensed matter physics, plasmonic nanostructures, and 2D materials; as well as the emerging field of quantum integrated Photonics. In the last 5 years, Haim has played an integral role in the establishment of an optical ground station as well as three new Physics centers at Tel Aviv University, the Light-Matter Interaction Center (2016), the New-Space [Center](#) (2018) and the TAU Quantum Center for Science and Technology, where he serves as the Steering Committee’s School of Physics representative.

Haim has published 54 articles and developed 13 patents. He is a member of the Israeli Young Academy, ISEF’s Israel Executive Committee and has served as the head of ISEF’s Ph.D. scholar program. Last year, Haim co-taught a remote course titled, “Innovations in Israel” at the University of San Diego as part of the *Murray Galinson San Diego-Israel Initiative*.

Haim is very involved in outreach activities, leading social involvement courses as part of the TAU Social-Impact project to promote social engagement and activism among undergraduate students, as well as voluntarily teaching science courses that aim to empower middle school youth from the periphery to pursue a higher education.

Haim is married and a father of three. He is the recipient of the *2014 Alon Fellowship*, the *Azrieli Foundation’s Outstanding Ph.D. Student Scholarship*, and the *European Research Council’s grant* for his project “MIRAGE 20-15”.



DR. TALİ HAVIV-REINGEWERTZ

Research Assistant, Department of Chemical and Structural Biology
Weizmann Institute of Science

“ISEF was my bridge to the academic world, both intellectually and financially. ISEF is the essential support system for people like us to compete with those who have more financial resources and connections.”

ISEF International-Fulbright Fellow, Postdoc in Structural Biology, University of Maryland 2012-2015
ISEF Ph.D. Scholar, Chemistry, Hebrew University of Jerusalem 2008-2012

Tali was raised as one of six children by Iraqi immigrant parents in the development city of Or-Yehuda. Tali’s postdoctoral research at the University of Maryland’s Institute of Human Virology pursued the *“Biophysical analysis of disease related intrinsically disordered proteins.”* Her work on cancer cells was featured in the Clinical Cancer Research journal, published by the American Association for Cancer Research. Married and a mother of three, Tali continues to work at the lab of Professor Amnon Horovitz, studying “GroEL chaperonin system, the unique properties of GroEL substrates against their relative GroEL dependence.” Tali and Professor Horovitz’s review, “Chaperonin Mechanisms: Multiple and (Mis)Understood?” was recently published in the *Annual Review of Biophysics*.



DR. EINAV AIZIKOVITSH-UDI

Pedagogical Mentor, Mathematics, Feinberg Graduate School
Lecturer and Pedagogical Mentor, Professional Development
Davidson Institute of Science Education
Weizmann Institute of Science

“The ISEF family exposed me to a world I had never known- academia as a way of life. Until now, I had always thought that my studies were simply something I need to complete, but now I understand that they are the central part of my life.”

ISEF’s support has advanced my education by many levels and for this I thank you with all my heart!”

ISEF International Fellow, Postdoc in Education, Harvard University 2010-2012

ISEF Ph.D. Scholar, Mathematics Education, Ben Gurion University

Dr. Einav Aizikovitsh-Udi was raised as one of seven children by Yemenite immigrant parents in the development town of Gedera. Despite the challenges, she earned her B.Sc. in Electrical Engineering and found her calling in mathematics education and pursued her Ph.D. as an ISEF scholar at Ben Gurion University. Einav continued her postdoctoral research in best practices for teaching math at Harvard University’s Graduate School of Education, as an ISEF International Fellow. Einav went on to develop innovative math education textbooks and curriculum and teach aspiring educators at Beit Berl College.

For the last decade, Einav has been researching and designing innovative math education curriculum, teaching, mentoring and providing professional development to Ph.D. students at the Weizmann Institute’s Feinberg Graduate School as well as high school and college math educators at the Davidson Institute of Science Education. She specializes in the development of critical and statistical thinking as vital to mathematical thought and teaching, in addition to promoting gender inclusion and equality in math and the sciences. She has been published extensively in math education books and journals and has served as the **Chair and Head of the Program Committee for annual conferences on *Gender and Mathematics Education*** as well as ***Implementing Technology Environment in Mathematics Education***, for the Davidson Institute.

Einav is married and a mother of five. She serves on the **Council for the Advancement of Science and Technology** and is a **faculty member at the Mandel Foundation-Israel**. Einav’s extensive work with teaching communities throughout the Negev inspired her to become a part of leading change and leadership development in this diverse and underserved region.