



מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

Feinberg Graduate School

2019 Graduates

Science for the benefit of humanity
Weizmann Institute of Science



Feinberg Graduate School

in The David Lopatie Hall of Graduate Studies

Weizmann Institute of Science

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Contents

[The Weizmann Institute of Science](#)

[The Feinberg Graduate School](#)

[Prizes for Outstanding Students 2019](#)

[Competitive Fellowships](#)

[PhD Recipients](#)

[MSc Recipients](#)

[Non-thesis MSc in Science Teaching Recipients](#)

[With gratitude to the supporters of the Feinberg Graduate School at the Weizmann Institute of Science](#)

[Scholarship Awards PhD Scholarships in Perpetuity](#)

[Scholarship Awards MSc Scholarships in Perpetuity](#)



You are cordially invited to
**the Graduation Ceremony at which MSc
and PhD Degrees will be conferred
and prizes will be awarded for academic excellence**

Wednesday, June 19, 2019
7:30 p.m.
Memorial Plaza
Weizmann Institute of Science, Rehovot

Program

Greetings

Prof. Daniel Zajfman, President
Weizmann Institute of Science

Prof. Irit Sagi, Dean
Feinberg Graduate School
of the Weizmann Institute of Science

Prof. Zvulun Elazar, Chair
Scientific Council of the Weizmann Institute of Science

Keynote Address

Yariv Bash, co-founder of Spacell
CEO and co-founder of Flytrex Aviation

**Awarding of prizes for academic excellence
and conferment of PhD Degrees**

**Awarding of prizes for academic excellence
and conferment of MSc Degrees**

On behalf of the graduates **Dr. Gal Mor Khalifa**, Department of Structural Biology

Music

Meshi Kleinstein

Light refreshments

The Weizmann Institute of Science

The Weizmann Institute of Science is one of the world's leading institutions of basic scientific research in all disciplines of natural and exact sciences: mathematics and computer sciences, physics, chemistry, biochemistry and biology. Its scientists conduct studies in fields that are on the cutting edge of science and that serve to enrich human knowledge about the world around us and our role in the universe. The Institute's unique character encourages numerous multidisciplinary collaborations in all areas of research. Weizmann Institute investigations greatly further the development of new technologies and alternative sources of energy and the invention of new materials, medicines, and state-of-the-art medical treatment.

Nearly 4,000 scientists, students, technicians, and administrative staff make up the Weizmann community on campus. The Institute also invests considerable efforts and resources in science education and literacy for school-age children.

The budget of the Weizmann Institute is approximately one billion shekels—a quarter of which is granted by the Israeli government, with the remainder originating from grants won by the Institute's scientists as well as from donations and scholarships.



The Feinberg Graduate School

The Feinberg Graduate School is the academic arm of the Weizmann Institute of Science. It was founded in 1958 with the support of the United States government. The Graduate School is named for Abraham Feinberg LLB (USA) founder and first chair of its Board of Trustees. The main goal of the Feinberg Graduate School (FGS) is the advanced training of the next generation of creative and original researchers in the natural sciences and mathematics, who will go on to become scientific leaders.

The Graduate School offers Master of Science (MSc) and Doctor of Philosophy (PhD) programs in physics, chemistry, life sciences, mathematics and computer science, and science teaching. Interdisciplinary programs are widespread and encouraged.

Since its founding, FGS has been an accredited institution of higher learning in Israel. It later received an absolute charter granted by the Board of Regents of the State of New York. The instructors and advisors of the Graduate School are members of the scientific staff of the Weizmann Institute of Science. Currently, there are over 1,100 graduate students, with a student-teacher ratio of 4:1, enabling considerable individual attention. The official language of instruction is English, which allows foreign students to participate fully in all of the Graduate School's programs. The only criteria for acceptance to FGS are academic excellence and scientific integrity. Admission to all programs and activities is granted without regard to race, gender, sexual orientation, religion, or nationality. All students are directly involved in the research conducted at the Weizmann Institute, and receive scholarships that allow them to devote all their energies to research and study. There are no tuition fees.

The Graduate School consists of five Research Schools: the Solo Dwek and Maurizio Dwek Research School of Chemical Science, the Ekard Research School of Biological Science, the Lorry I. Lokey Research School of Biochemical Science, the Moross Research School of Mathematics and Computer Science, and the André Deloro Research School of Physical Science.

These schools provide an extra boost to the students' immersion into scientific research, supporting them in their becoming mature scientists. The Research Schools also offer students a wide range of opportunities for personal development, such as scientific travel grants to facilitate expanded contacts with the international research community, and greater exposure to world



leaders in their fields. Each Research School is headed by a Director appointed by the Dean of FGS, and each Director is assisted by a Board of Studies that coordinates all activities in the relevant discipline.

The Feinberg Graduate School is responsible for the administrative and academic aspects of postdoctoral training at the Weizmann Institute of Science. FGS also coordinates the Kupciner-Getz International Summer Science School for outstanding international undergraduate students.

The Feinberg Graduate School is headed by a Dean, assisted by the Academic Secretary of the School and by a steering committee consisting of the Directors of the Research Schools. The Graduate School Office coordinates all the general administrative operations of FGS.



Prof. Daniel Zajfman
President
Weizmann Institute of Science

To the Chair of the Scientific Council, Weizmann Institute faculty members, distinguished guests, families and friends, and most importantly—our graduates,

The French mathematician and theoretical physicist Henri Poincaré wrote something that could serve as our motto here at the Weizmann Institute: “The scientist does not study nature because it is useful; he studies it because he delights in it, and he delights in it because it is beautiful. If nature were not beautiful, it would not be worth knowing, and if nature were not worth knowing, life would not be worth living.”

Here at the Weizmann Institute, you have had the opportunity to immerse yourself in the beauty of our natural world, and to contribute to the search for knowledge that, for the scientist, makes life worthwhile. No matter what your passion, be it biology, chemistry, physics, mathematics, computer science, or science teaching, your time here has taught you that a life dedicated to science requires both courage and patience. You must have the courage to ask difficult questions, and the patience to persevere, even when the answer is a long time coming.

Wherever you go from here, you will benefit from your Weizmann Institute training. Some of you will become policy makers, charged with making the decisions about resources, finances, and regulations, designed to protect the well-being of the world. Some of you will become entrepreneurs, creating science-based technologies that will change the world for the better. Some of you will be teachers, taking on the sacred task of passing on a love of science, and critical thinking skills, to the next generation. And of course, some of you will remain in academia, where you will spread an appreciation of the Weizmann Institute—and the outstanding quality of its graduates—to centers of research throughout the world.

On behalf of the entire Weizmann community, we offer you our heartfelt congratulations. We are proud of your accomplishments, and wish you the best of luck, wherever your next step takes you.

A handwritten signature in black ink, appearing to read 'D. Zajfman', written in a cursive style. The signature is positioned above the printed name.

Prof. Daniel Zajfman





Prof. Alon Chen

President Elect
Weizmann Institute of Science

Dear Graduates,

As I look out across the smiling faces that have gathered here today—the graduating students, their families and friends, and the many members of the wider scientific community who have shared in your journey—I cannot help but remember my own graduation, which took place right here not so long ago. It is a privilege, alongside Institute President Prof. Daniel Zajfman, whose responsibilities I will be taking on soon, to tell you something that could be understood either as encouragement or as a warning: you never know where a Weizmann Institute education will take you.

Wherever you go from here, you will carry with you memories of your days spent on this campus. What you have learned, and what you have worked so hard to achieve, has equipped you to become leaders in your chosen fields.

In the world of science, leadership is not a measure of the extent to which we exert control over the world around us. Rather, a great scientist must practice radical humility, and be willing to adjust his or her pre-existing beliefs—or change them entirely—as new knowledge becomes available. This is as true in the laboratory as it is in the classroom, as young students constantly challenge their teachers to probe further, and dig deeper, to find new methods to transmit their knowledge in a way that—hopefully—will inspire another generation of science graduates.

As you mark this significant milestone, I applaud every one of you. Just as you gained entrance to the Feinberg Graduate School based on your past achievements and outstanding potential, I know that you will enter the next phase of your lives with the humility—and the work ethic—that will allow you to achieve even more, and make the world a better place.

Mazal tov.

A handwritten signature in dark ink, appearing to be 'Alon Chen'.

Prof. Alon Chen





Prof. Irit Sagi

Dean
Feinberg Graduate School
Weizmann Institute of Science

Dear Graduates,

Graduation ceremonies such as this allow us, the scientists of the Weizmann Institute, to express our appreciation and admiration for our students, who have managed to reach this magnificent milestone. Dr. Chaim Weizmann once said that miracles sometimes occur, but you have to work terribly hard to achieve them. The degree that you are receiving today is not the product of any miracle, but is rather the direct result of hard work of an extremely challenging nature. You are indeed deserving of our best wishes, and of our utmost respect.

Antoine de Saint-Exupéry, author of the literary masterpiece “The Little Prince” wrote: “If you want to build a ship, don’t drum up people to collect wood and don’t assign them tasks and work, but rather teach them to long for the endless immensity of the sea.” It is in this spirit that the Weizmann Institute has educated generations of young scientists. In your years here on campus, we have made it our mission to stimulate your curiosity both as students and as researchers, to generate a sense of wonder about the limitless beauty of science, and to cultivate a passion for revealing scientific secrets not yet discovered. We have given you the intellectual tools and practices needed for the exciting journey that lies ahead. We have no doubt that your actions and your discoveries will bear significant fruit in the future. We urge you to believe in your own abilities, and know that your path will lead you to new heights of knowledge, while providing you with deep intellectual satisfaction.

I would like to thank the families for their education, nurturing, encouragement, and guidance; the members of the Weizmann Institute faculty for instruction, supervision, and mentorship; the Institute’s administrative and technical staff—in every Faculty, and in all the Service Units—for their professional support at all times and under all circumstances; and of course, the Feinberg Graduate School staff, who, together, have had the privilege of accompanying you and witnessing your development from the day you submitted your candidacy, until today.

Go forth and succeed!

A handwritten signature in black ink, consisting of a stylized, cursive 'I' followed by a horizontal line that extends to the right.

Prof. Irit Sagi





Prof. Zvulun Elazar
Chair
Scientific Council
Weizmann Institute of Science

Dear Graduates,

As the representative of the Scientific Council of the Weizmann Institute, it is my privilege to wish you a hearty congratulations on completing your academic degrees. This accomplishment marks your induction into a fellowship of colleagues who—each in his or her own way—are making an important contribution to scientific advancement, to the State of Israel, and to the world at large.

The Weizmann Institute's Scientific Council, a body that includes most of the scientists with whom you have worked and trained over these past years, represents the collective impact of investing in scientific education of the highest caliber. Just as you have invested in your individual studies, your lab experiments, and your theses, we believe in your ability to invest in your next professional steps with the energy, talent, and dedication that brought you to this day.

Our sincere thanks are due to the supportive families, the academic advisors, the technical and support staff, and everyone else that made it possible for you to achieve your academic goals. Best of luck, and we know that—through your future accomplishments—you will continue to bring honor to the Weizmann Institute of Science wherever your path leads you.

A handwritten signature in black ink, appearing to read "Z. Elazar". The signature is fluid and cursive.

Prof. Zvulun Elazar





Yael Goren-Wegman

CEO

Israeli Friends Association
and Alumni Organization

Dear Graduates,

On behalf of the Weizmann Institute Alumni Organization, I would like first and foremost to congratulate all those who have joined the family of Weizmann Institute graduates this year and to wish you the best of luck for the future.

Many Weizmann Institute alumni hold senior posts and influential positions in Israel and abroad – a true source of pride for the Institute. A quarter of the science PhD graduates in Israel are Weizmann alumni, and they greatly contribute to the country's economic, scientific, and technological development.

The goals the Alumni Organization has set for the coming years are keeping in touch with Weizmann Institute alumni, creating a social and professional alumni network, and strengthening the Institute's ties with Israel's industrial and financial sectors.

I would like to take this opportunity to cordially invite you to visit our Alumni Organization website (weizmann.ac.il/alumni/) to register and update your contact details. During the registration process, you will be presented with the option of opening your personal alumnus e-mail address. Once you register, we will be able to keep in touch with you and send you Weizmann updates and news. We can also be found on Facebook and LinkedIn.

We welcome your ideas and initiatives for further strengthening the Alumni Organization as a meaningful and influential body.

I wish you all the best in your future endeavors and encourage you to stay in touch with us.

Yael Goren-Wegman



Prizes for Outstanding Students 2019

The John F. Kennedy Memorial Research Award

The John F. Kennedy Memorial Research Awards are sponsored by the JFK Memorial Fund that was established at the Weizmann Institute in memory of the late US President.

Mr. Hisham Mazal

Advisor: Prof. Gilad Haran, Department of Chemical and Biological Physics

Dr. Eyal Ronen

Advisor: Prof. Adi Shamir, Department of Computer Science and Applied Mathematics

Mr. Ravid Shaniv

Advisor: Prof. Roei Ozeri, Department of Physics of Complex Systems

Dr. Jotham Suez

Advisor: Prof. Eran Elinav, Department of Immunology

The Dimitris N. Chorafas Prize

Dr. Dimitris Chorafas (1926-2014), advisor, author, thinker and philanthropist, established a foundation that awards scientific prizes for outstanding work in selected fields. Each year the foundation accepts candidates from a small number of prestigious institutions around the world, including the Weizmann Institute of Science.

Dr. Neta Varsano

Advisor: Prof. Lia Addadi, Department of Structural Biology

Mr. Vladimir Narovlansky

Advisors: Prof. Ofer Aharony, Department of Particle Physics and Astrophysics
Prof. Zohar Komargodski, Department of Particle Physics and Astrophysics

The Prof. Israel Dostrovsky Memorial Prize

The Weizmann Institute of Science and the Israel Atomic Energy Commission jointly award an annual prize for excellence in memory of Prof. Israel Dostrovsky, a renowned chemist who served as the fifth President of the Weizmann Institute.

Ms. Olga Kraynis

Advisor: Prof. Igor Lubomirsky, Department of Materials and Interfaces

Ms. Ofir Olga Shein Lumbroso

Advisor: Prof. Oren Tal, Department of Chemical and Biological Physics

Dr. Ron Tenne

Advisor: Prof. Dan Oron, Department of Physics of Complex Systems

The Ruth and Prof. Avraham (Edek) Blaugrund Prize

After joining the Weizmann Institute in the 1950s, Prof. Abraham Blaugrund made significant contributions to the field of plasma physics. Established by the Blaugrund family, this prize is awarded to outstanding PhD students in physics.

Mr. Ilya Khivrich

Advisor: Prof. Shahal Ilani, Department of Condensed Matter Physics

The Elchanan Ezra Bondi Memorial Prize

Dr. Elchanan Bondi, who died in 1971, conducted his doctoral thesis in the Department of Biophysics while suffering from a kidney disease.

Dr. Uri Weill

Advisor: Prof. Maya Schuldiner, Department of Molecular Genetics

The Dov Elad Memorial Prize

Prof. Dov Elad was a professor of chemistry and chaired the Board of Studies in Chemical Sciences. He contributed significantly to the Weizmann Institute and the Feinberg Graduate School before passing away in 1979.

Ms. Yael Tsarfati

Advisor: Prof. Boris Rybtchinski, Department of Organic Chemistry

Prizes for Outstanding Students 2019

The Shimon Reich Memorial Prize

Prof. Shimon Reich was a professor in the Department of Materials and Interfaces at the Weizmann Institute for 40 years. He died in 2010.

Dr. Omer Lustgarten

Advisor: Prof. David Margulies, Department of Organic Chemistry

Ms. Daphne Meidan

Advisor: Prof. Yinon Rudich, Department of Earth and Planetary Sciences

The Gad Resheff Memorial Prize

A doctoral student in the Department of Biophysics, Gad Resheff was killed in 1973 during the Yom Kippur War while serving as the commander of an outpost at the Suez Canal. He was awarded the Medal of Valor posthumously.

Ms. Hadas Hezroni-Bravyi

Advisor: Dr. Igor Ulitsky, Department of Biological Regulation

The Giora Yoel Yashinski Memorial Prize

Giora Yoel Yashinski was killed in action in 1971 when his air force plane crashed on the Sinai coast. Giora completed his MSc in the Department of Chemical Physics at the Weizmann Institute.

Dr. Shdema Hayut

Advisor: Prof. Avraham Levy, Department of Plant and Environmental Sciences

The Daniel Brenner Memorial Prize

Daniel Brenner was killed in the Battle of Sidon during the 1982 Lebanon War. He was a doctoral student in the Department of Chemical Physics at the Weizmann Institute.

Mr. Gal Ofir

Advisor: Prof. Rotem Sorek, Department of Molecular Genetics

The Lady Anne Chain Memorial Prize

Lady Anne Chain was a noted British biochemist and longtime friend of the Weizmann Institute of Science.

Mr. Roni Winkler

Advisor: Dr. Noam Stern-Ginossar, Department of Molecular Genetics

The Esther Hellinger Memorial Prize

Dr. Esther Hellinger was born in London. She joined the scientific staff of the Daniel Sieff Research Institute upon its establishment in 1934 and worked with Dr. Chaim Weizmann.

Dr. Dana Rubi Levy

Advisor: Dr. Ofer Yizhar, Department of Neurobiology

The Haim Holtzman Memorial Prize

First Lieutenant Haim Holtzman was an air force pilot who died heroically in 1969 while preventing his burning plane from crashing into the Weizmann Institute campus and nearby residential areas in Rehovot. He was able to divert the plane over an unpopulated area, but sacrificed his life in doing so.

Ms. Christine Stollberg

Advisors: Prof. Yitzhak Maron, Department of Particle Physics and Astrophysics
Dr. Eyal Kroupp, Department of Particle Physics and Astrophysics

The Menashe Milo Memorial Prize

Menashe Milo completed his studies in Physics as part of the academic reserves. During the Yom Kippur War, he fought in the Golan Heights as a tank commander. Menashe died suddenly in 1981.

Mr. Daniel Aloni

Advisor: Prof. Yosef Nir, Department of Particle Physics and Astrophysics

The Lonia and Jose Roth Memorial Prize

Lonia and Jose M. Roth were Holocaust survivors who admired both the natural sciences and fine writing. This prize, awarded for outstanding PhD thesis research combined with excellence in writing in English, is in memory of their lifelong support of the Weizmann Institute and of Israel.

Dr. Doron Azoury

Advisor: Prof. Nirit Dudovitch, Department of Physics of Complex Systems

The Dean's Prize for PhD Students

Mr. Rafat Qubaja

Advisor: Prof. Dan Yakir, Department of Earth and Planetary Sciences

Prizes for Outstanding Students 2019

The Susan Sapir Memorial Prize for MSc Students

Susan Sapir worked for many years at the Weizmann Institute of Science with great devotion and in various positions. The most senior of these roles was as the Head of the Research Grants and Projects Office.

Ms. Adi Egozi

Advisor: Prof. Shalev Itzkovitz, Department of Molecular Cell Biology

Mr. Saar Ezagouri

Advisor: Prof. Gad Asher, Department of Biomolecular Sciences

The Dean's Prize for Outstanding MSc Students

Ms. Daniella Apelblat

Advisor: Dr. Ivo Spiegel, Department of Neurobiology

Mr. Abhishek Banerjee

Advisor: Prof. Gilad Perez, Department of Particle Physics and Astrophysics

Mr. Daniel Greenfeld

Advisor: Prof. Ronen Basri, Department of Computer Science and Applied Mathematics

Ms. Tom Granot

Advisor: Prof. David Margulies, Department of Organic Chemistry

Mr. Yotam Dikstein

Advisor: Prof. Irit Dinur, Department of Computer Science and Applied Mathematics

Ms. Nitzan Tal

Advisor: Prof. Rotem Sorek, Department of Molecular Genetics

Ms. Gal Yona

Advisor: Prof. Guy Rothblum, Department of Computer Science and Applied Mathematics

Mr. Ori Sberlo

Advisors: Prof. Irit Dinur, Department of Computer Science and Applied Mathematics
Prof. Amir Shpilka, Tel-Aviv University

Mr. Omer Kneller

Advisor: Prof. Nirit Dudovitch, Department of Physics of Complex Systems

Ms. Batel Rephael

Advisor: Prof. Dan Oron, Department of Physics of Complex Systems

Mr. Gabriel Javitt

Advisor: Prof. Deborah Fass, Department of Structural Biology

Ms. Zohar Schwartzman-Nowik

Advisor: Prof. Eran Bouchbinder, Department of Chemical and Biological
Physics

Competitive Fellowships

For outstanding PhD students

The Adams Fellowships for Doctoral Students

The Azrieli Fellows Program

The Israel National Postdoctoral Award Program for Advancing Women in Science

The Ariane de Rothschild Women's Doctoral Program

The Council for Higher Education Fellowship Programs

The Ministry of Science and Technology Fellowship Programs

Competitive Fellowships

For outstanding
MSc students

The Israel Council for Higher Education Fellowship
Program

The David Lopatie Fellow Awards

PhD Recipients

Dr. Miri Adler
Dr. Gad Afek
Dr. Stefanie Alber
Dr. Etay Aloni
Dr. Rand Arafeh
Dr. Yossi Arjevani
Dr. Inna Averbukh
Dr. Doron Azoury
Dr. Amir Bahat
Dr. Yuval Bahat
Dr. Avital Barak
Dr. Elad Bassat
Dr. Maor Battat
Dr. Liran Ben Yaakov
Dr. Hila Ben Yehuda
Dr. Doreen Ben-Zvi
Dr. Yehonatan Ben-Zvi
Dr. Marco Bugnola
Dr. Meital Charni-Natan
Dr. Olga Chovnik
Dr. Ronen Chriki
Dr. Maja Cohen
Dr. Yael Cohen Sharir
Dr. Guy Dagan
Dr. Arina Dalaloyan
Dr. Daniel Dar
Dr. Maya David Teitelbaum
Dr. Dan Davidi
Dr. Ella Doron-Mandel
Dr. Jonathan Drori
Dr. Nadav Dym
Dr. Netalee Efrat
Dr. Emil Eidin
Dr. Boaz Elazar
Dr. Ofer Elhanani
Dr. Lior Ella
Dr. Yaniv Eyal-Lubling
Dr. Gil Farkash
Dr. Neta Felsenthal (Maayan)
Dr. Shdema Filler-Hayut
Dr. Garold Fuks
Dr. Aviram Gelblum
Dr. Arel Viktor Genish
Dr. Efrat Gerchkovitz
Dr. Rotem Gidron Budovsky
Dr. Shmuel Gleizer
Dr. Ludmila Gordon
Dr. Anna Goren
Dr. Natalia-Chana Goykhman
Dr. Alexandra Goz
Dr. Shiri Graff van Creveld
Dr. Anna Grivnin
Dr. Mor Gross
Dr. Uri Grupel
Dr. Rivi Rivka Halimi
Dr. Melanie Horev
Dr. Yitzhak Jacobson
Dr. Ariel Jaffe
Dr. Ayelet Jerafi-Vider
Dr. Jacob Kagan

Dr. Avner Karasik
Dr. Hodaya Keisar
Dr. Alexander Kertser
Dr. Eugene Koh
Dr. Masha Kolesnikov
Dr. Ilina Kolker-Baravik
Dr. Eran Kotler
Dr. Michael Kulbak
Dr. Naama Lahav
Dr. Gideon Lapidoth
Dr. Guy Ledergor
Dr. Ohad Levkovich
Dr. Pei Li
Dr. Omer Lustgarten
Dr. Yair Manor
Dr. Ori Maoz
Dr. Or Matalon
Dr. Noam Matzliah
Dr. Donna Matzov
Dr. Noga Meir
Dr. Noya Meital Kfir
Dr. Eyal Metzl-Raz
Dr. Natalia Mirlas-Neisberg
Dr. Eran Mishuk
Dr. Gal Mor Khalifa
Dr. Ashwat Nagarajan
Dr. Yinon Nahum
Dr. Tzahi Noiman
Dr. Uri Patish
Dr. Yefim Pen

Dr. Ofer Perl
Dr. Maria Pierantoni
Dr. Shiran Rabinovich
Dr. Neta Rahimi
Dr. Yevgeny Rakita
Dr. Nitzan Razin
Dr. Naama Reicher
Dr. Jonathan Reiner
Dr. Shiri Ron
Dr. Eyal Ronen
Dr. Dana Rubi Levy
Dr. Eran Sagi
Dr. Nir Samuel
Dr. Hadas Sar Shalom
Dr. Nadav Shai
Dr. Ilanit Shapir
Dr. Ary Shaviv
Dr. Kaiji Shen
Dr. Tamar Shlapobersky
Dr. Carmel A.B.Z Shor
Dr. Anastasiya Shulman
Dr. Tomas Sikorsky
Dr. David Statter
Dr. Ariel Steiner
Dr. Jotham Suez
Dr. Or Szekely
Dr. Shira Tabachnick Cherny
Dr. Maayan Tahor
Dr. Idan Tamir
Dr. Ron Tenne

Dr. Yaniv Tubul
Dr. Victoria Urin
Dr. Talya Vaknin
Dr. Neta Varsano
Dr. Seraphima Verbitsky
Dr. Uri Weill
Dr. Yinon Yecheskel
Dr. Eylon Yogev
Dr. Gili Zilberman-Schapira
Dr. Niv Zmora



ד"ר עופר אלחנני
Dr. Ofer Elhanani

מחלקה: מדעים ביומולקולרים
בהדרכת: פרופ' מייקל ווקר

Department: Biomolecular Sciences
Advisor: Prof. Michael Walker

Thesis title:
Molecular mechanisms underlying reprogramming of exocrine pancreas cells into insulin producing beta cells



ד"ר איתי אלוני
Dr. Etay Aloni

מחלקה: נייורוביולוגיה
בהדרכת: פרופ' מנחם סגל

Department: Neurobiology
Advisor: Prof. Menahem Segal

Thesis title:
Calcium stores in animal models of Alzheimer's disease



ד"ר ליאור אלה
Dr. Lior Ella

מחלקה: פיסיקה של חומר מעובה
בהדרכת: פרופ' שחל אילני

Department: Condensed Matter Physics
Advisor: Prof. Shahal Ilani

Thesis title:
Spatial mapping of hydrodynamic electron flow in graphene



ד"ר נטעלי אפרת
Dr. Netalee Efrat

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' מיכל אירני
פרופ' ענת לוין

Department: Computer Science and Applied Mathematics
Advisors: Prof. Michal Irani
Prof. Anat Levin

Thesis title:
Beyond the limitations of sensors and displays



ד"ר גד אפק
Dr. Gad Afek

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' ניר דודזון

Department: Physics of Complex Systems
Advisor: Prof. Nir Davidson

Thesis title:
Anomalous phase-space dynamics of cold atoms



ד"ר בועז אלעזר
Dr. Boaz Elazar

מחלקה: מתמטיקה
בהדרכת: פרופ' דמיטרי גורביץ

Department: Mathematics
Advisor: Prof. Dmitry Gourevitch

Thesis title:
Quasi-Nash varieties and Schwartz functions on them

PhD Recipients



ד"ר ויקטוריה אורין
Dr. Victoria Urin

מחלקה: מדעים ביומולקולרים
בהדרכת: פרופ' גדעון שרייבר

Department: Biomolecular Sciences
Advisor: Prof. Gideon Schreiber

Thesis title:
The simplicity within complexity of type
1 interferon signalling pathways



ד"ר מירי אדלר
Dr. Miri Adler

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' אורי אלון

Department: Molecular Cell Biology
Advisor: Prof. Uri Alon

Thesis title:
Design principles of biological circuits



ד"ר אינה אברבוכ
Dr. Inna Averbukh

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' בן ציון שילה
פרופ' נעמה ברקאי

Department: Molecular Genetics
Advisors: Prof. Benny Shilo
Prof. Naama Barkai

Thesis title:
Robust spatial and temporal patterning
during embryonic development



ד"ר סטפני אלבר
Dr. Stefanie Alber

מחלקה: מדעים ביומולקולרים
בהדרכת: פרופ' מייק פינזילבר

Department: Biomolecular Sciences
Advisor: Prof. Mike Fainzilber

Thesis title:
The role of PTBPI in RNA localization
growth and regeneration of axons



ד"ר יניב איל-לובלינג
Dr. Yaniv Eyal-Lubling

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' עמוס תנאי

Department: Computer Science and
Applied Mathematics
Advisor: Prof. Amos Tanay

Thesis title:
Analyzing properties of chromosomal
organization in the nucleus using single
cell genomics



ד"ר אמיל אידין
Dr. Emil Eidin

מחלקה: הוראת המדעים
בהדרכת: ד"ר יעל שוורץ
פרופ' ניר אוריון

Department: Science Teaching
Advisors: Dr. Yael Shwartz
Prof. Nir Orion

Thesis title:
Teachers' beliefs, perceptions,
knowledge, and practice of socio-
scientific issues



ד"ר אביטל ברק
Dr. Avital Barak

מחלקה: אימונולוגיה
בהדרכת: פרופ' עידית שחר

Department: Immunology
Advisor: Prof. Idit Shachar

Thesis title:
Unveiling key players in the CLL-
microenvironment interplay



ד"ר יהונתן בן-צבי
Dr. Yehonatan Ben-Zvi

מחלקה: ביולוגיה מבנית
בהדרכת: פרופ' סטפן ויינר
פרופ' רון שחר

Department: Structural Biology
Advisors: Prof. Steve Weiner
Prof. Ron Shchar

Thesis title:
Three-dimensional structure of the tooth-
periodontal ligament-bone complex and
trabecular network in the mandibular
bone with particular focus on the areas
of bone-tooth interactions



ד"ר דורין בן-צבי
Dr. Doreen Ben-Zvi

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' טלילה וולק

Department: Molecular Genetics
Advisor: Prof. Talila Volk

Thesis title:
Germline-soma interaction at the
differentiation niche



ד"ר נטליה-חנה גויכמן
Dr. Natalia-Chana Goykhman

מחלקה: מדעי כדור הארץ וכוכי הלכת
בהדרכת: פרופ' בריאן ברקוביץ

Department: Earth and Planetary
Sciences
Advisor: Prof. Brian Berkowitz

Thesis title:
Transport and retention of Pt-based
pharmaceuticals in natural soil-water
environments



ד"ר רותם גדרון בודובסקי
Dr. Rotem Gidron Budovsky

מחלקה: אימונולוגיה
בהדרכת: פרופ' יאיר רייזנר
פרופ' סטפן יונג

Department: Immunology
Advisors: Prof. Yair Reisner
Prof. Steffen Jung

Thesis title:
"Accepting the other"- inducing
immunological tolerance to
haploidentical donor by veto cells in
bone marrow transplantation and in
cellular immunotherapy



ד"ר אלעד בשט
Dr. Elad Bassat

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' אלדד צחור

Department: Molecular Cell Biology
Advisor: Prof. Eldad Tzahor

Thesis title:
The extracellular matrix protein Agrin
promotes heart regeneration in mice

PhD Recipients

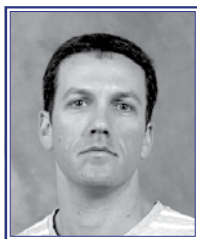


ד"ר מרקו בוגנולה
Dr. Marco Bugnola

מחלקה: כימיה אורגנית
בהדרכת: פרופ' רוני נוימן

Department: Organic Chemistry
Advisor: Prof. Ronny Neumann

Thesis title:
Polyoxometalates and the activation of
molecular oxygen



ד"ר יובל בהט
Dr. Yuval Bahat

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' מיכל אירני

Department: Computer Science and
Applied Mathematics
Advisor: Prof. Michal Irani

Thesis title:
Exploiting deviations from ideal visual
recurrence



ד"ר אמיר בהט
Dr. Amir Bahat

מחלקה: בקרה ביולוגית
בהדרכת: פרופ' איתן גרוס

Department: Biological Regulation
Advisor: Prof. Atan Gross

Thesis title:
Exploring the role of MTCH2 and the
mitochondria in embryonic stem cells



ד"ר לירן בן יעקב
Dr. Liran Ben Yaakov

מחלקה: ביולוגיה מבנית
בהדרכת: פרופ' אברהם מינסקי

Department: Structural Biology
Advisor: Prof. Abraham Minsky

Thesis title:
Quantifying Mimivirus infection
processes to study virus interactions with
host cytoskeleton framework and DNA
repair apparatus



ד"ר הילה בן יהודה
Dr. Hila Ben Yehuda

מחלקה: נוירוביולוגיה
בהדרכת: פרופ' מיכל אייזנברג-שוורץ

Department: Neurobiology
Advisor: Prof. Michal Schwartz

Thesis title:
Regulatory mechanisms of Myeloid cells
in the central nervous system



ד"ר מאור בטאט
Dr. Maor Battat

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' אסף אהרני

Department: Plant and Environmental
Sciences
Advisor: Prof. Asaph Aharoni

Thesis title:
The shikimate pathway as an interface
between primary and secondary
metabolism in plants



ד"ר איילת ג'רפי וידר
Dr. Ayelet Jerafi-Vider

מחלקה: בקרה ביולוגית
בהדרכת: פרופ' קרינה יניב

Department: Biological Regulation
Advisor: Prof. Karina Yaniv

Thesis title:
Elucidating the molecular and cellular mechanisms underlying blood and lymphatic vessel development



ד"ר שירי גרף ון-קרפלד
Dr. Shiri Graff van Creveld

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' אסף ורדי

Department: Plant and Environmental Sciences
Advisor: Prof. Assaf Vardi

Thesis title:
The role of redox in cell fate regulation in marine diatoms response to environmental stresses



ד"ר אנה גריבנין
Dr. Anna Grivnin

מחלקה: פיסיקה של חומר מעובה
בהדרכת: פרופ' מוטי הייבלום

Department: Condensed Matter Physics
Advisor: Prof. Moty Heiblum

Thesis title:
Transport of topological superconducting InAs nanowires



ד"ר מיה דוד טייטלבאום
Dr. Maya David Teitelbaum

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' עדי קמחי

Department: Molecular Genetics
Advisor: Prof. Adi Kimchi

Thesis title:
DAP5 dual role in translation control during human embryonic stem cells differentiation



ד"ר גיא דגן
Dr. Guy Dagan

מחלקה: מדעי כדור הארץ וכוכבי הלכת
בהדרכת: פרופ' אילן קורן

Department: Earth and Planetary Sciences
Advisor: Prof. Ilan Koren

Thesis title:
Exploring the interplay between key processes in warm convective clouds



ד"ר אפרת גרשקוביץ
Dr. Efrat Gerchkovitz

מחלקה: פיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת: פרופ' זוהר קומרגודסקי
פרופ' עופר אהרונ

Department: Particle Physics and Astrophysics
Advisors: Prof. Zohar Komargodski
Prof. Ofer Aharony

Thesis title:
Sphere partition functions and exact results in supersymmetric gauge theories

PhD Recipients



ד"ר שמואל גלייזר
Dr. Shmuel Gleizer

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' רון מילוא

Department: Plant and Environmental Sciences
Advisor: Prof. Ron Milo

Thesis title:
Metabolic engineering and directed evolution of *E. coli* towards autotrophic growth



ד"ר אנה גורן
Dr. Anna Goren

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' יובל אשד

Department: Plant and Environmental Sciences
Advisor: Prof. Yuval Eshed

Thesis title:
Genetic programs that differentiate tomato axillary shoots from their primary shoot progenitor



ד"ר לודמילה גורדון
Dr. Ludmila Gordon

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' גיל לבקוביץ

Department: Molecular Cell Biology
Advisor: Prof. Gil Levkowitz

Thesis title:
Mechanisms underlying the morphogenesis and permeability of fenestrated endothelia in the neurohypophysis



ד"ר אורי גרופל
Dr. Uri Grupel

מחלקה: מתמטיקה
בהדרכת: פרופ' בועז בנימין קלרטג

Department: Mathematics
Advisor: Prof. Boaz Binyamin Klartag

Thesis title:
Topics in the geometry of the high-dimensional sphere discrete cube and convex sets



ד"ר מור גרוס
Dr. Mor Gross

מחלקה: אימונולוגיה
בהדרכת: פרופ' סטפן יונג

Department: Immunology
Advisor: Prof. Steffen Jung

Thesis title:
Identification of factors guiding monocyte-macrophage differentiation in the intestine and the role of TLR2 in monocyte-induced colitis



ד"ר אראל ויקטור גניש
Dr. Arel Viktor Genish

מחלקה: פיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת: פרופ' דורון גפנר

Department: Particle Physics and Astrophysics
Advisor: Prof. Doron Gepner

Thesis title:
Generalized Rogers Ramanujan identities and $2d/4d$ correspondences



ד"ר סרפימה ורביצקי
Dr. Seraphima Verbitsky

מחלקה: נוירוביולוגיה
בהדרכת: פרופ' מנחם סגל
פרופ' אילן למפל

Department: Neurobiology
Advisors: Prof. Menahem Segal
Prof. Ilan Lampl

Thesis title:
Catecholamines in the hippocampal
formation



ד"ר אורי וייל
Dr. Uri Weill

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' מאיה שולדינר

Department: Molecular Genetics
Advisor: Prof. Maya Schuldiner

Thesis title:
Creating and utilizing a novel yeast
library to systematically characterize the
yeast proteome



ד"ר ריבי רבקה הלימי
Dr. Rivi Rivka Halimi

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' עדי קמחי

Department: Molecular Genetics
Advisor: Prof. Adi Kimchi

Thesis title:
Programmed cell death in early
embryonic development



ד"ר מלאני חורב
Dr. Melanie Horev

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' בנימין גיגר

Department: Molecular Cell Biology
Advisor: Prof. Benjamin Geiger

Thesis title:
Multi-scale characterization of platelet-
matrix adhesions



ד"ר גילי זילברמן-שפירא
Dr. Gili Zilberman-Schapira

מחלקה: אימונולוגיה
בהדרכת: פרופ' ערן אלינב

Department: Immunology
Advisor: Prof. Eran Elinav

Thesis title:
The effect of probiotics consumption
on the homeostatic and microbiome-
perturbed human host



ד"ר נטע ורסנו
Dr. Neta Varsano

מחלקה: ביולוגיה מבנית
בהדרכת: פרופ' ליאה אדדי

Department: Structural Biology
Advisor: Prof. Lia Addadi

Thesis title:
On cholesterol crystal formation in
atherosclerosis

PhD Recipients



ד"ר נדב דימ
Dr. Nadav Dym

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' ירון ליפמן

Department: Computer Science and Applied Mathematics
Advisor: Prof. Yaron Lipman

Thesis title:
Guaranteed computation of geometric mappings via Convex optimization



ד"ר אלה דורון-מנדל
Dr. Ella Doron-Mandel

מחלקה: מדעים ביומולקולרים
בהדרכת: פרופ' מייק פינזילבר

Department: Biomolecular Sciences
Advisor: Prof. Mike Fainzilber

Thesis title:
Nucleolin subcellular localization - mechanisms and implications for RNA localization and neuronal growth



ד"ר דן דויד
Dr. Dan Davidi

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' רון מילוא

Department: Plant and Environmental Sciences
Advisor: Prof. Ron Milo

Thesis title:
Enzyme rates in the omics era: From global characterization to a pivotal case study



ד"ר יהונתן דרורי
Dr. Jonathan Drori

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' אולף לאונהרדט

Department: Physics of Complex Systems
Advisor: Prof. Ulf Leonhardt

Thesis title:
Experimental observation of stimulated Hawking radiation from a fiber optical analogue



ד"ר דניאל דר
Dr. Daniel Dar

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' רותם שורק

Department: Molecular Genetics
Advisor: Prof. Rotem Sorek

Thesis title:
Regulated transcriptional termination in bacteria and its role in antibiotic resistance



ד"ר ארינה דללויאן
Dr. Arina Dalaloyan

מחלקה: פיסיקה כימית וביולוגית
בהדרכת: פרופ' דניאלה גולדפרב

Department: Chemical and Biological Physics
Advisor: Prof. Daniella Goldfarb

Thesis title:
Developments of Gd3+ spin labeling for in cell distance measurements



ד"ר אריאל יפה
Dr. Ariel Jaffe

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' בועז נדלר

Department: Computer Science and Applied Mathematics
Advisor: Prof. Boaz Nadler

Thesis title:
Spectral methods for unsupervised ensemble learning and latent variable models



ד"ר יצחק יעקבסון
Dr. Yitzhak Jacobson

מחלקה: מדעי כדור הארץ וכוכבי הלכת
בהדרכת: פרופ' אלדו שמש

Department: Earth and Planetary Sciences
Advisor: Prof. Aldo Shemesh

Thesis title:
Reconstruction of trace element variability in the reef builder vermetid *Dendropoma Petraeum* from the Mediterranean Sea during the last millennium



ד"ר ינון יחזקאל
Dr. Yinon Yecheskel

מחלקה: מדעי כדור הארץ וכוכבי הלכת
בהדרכת: פרופ' בריאן ברקוביץ

Department: Earth and Planetary Sciences
Advisor: Prof. Brian Berkowitz

Thesis title:
Fate transport and weathering of engineered nanoparticles in partially saturated porous media



ד"ר יעל כהן שריר
Dr. Yael Cohen Sharir

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' ארי אלסון

Department: Molecular Genetics
Advisor: Prof. Ari Elson

Thesis title:
The roles of protein tyrosine phosphatases Alpha and Epsilon in metabolic regulation



ד"ר מד'ה כהן
Dr. Maja Cohen

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' רוברט פלור

Department: Plant and Environmental Sciences
Advisor: Prof. Robert Fluhr

Thesis title:
Biology of barley flag leaf senescence and its grain proteins interactions



ד"ר יעקב כגן
Dr. Jacob Kagan

מחלקה: מתמטיקה
בהדרכת: פרופ' גדי קוזמא

Department: Mathematics
Advisor: Prof. Gady Kozma

Thesis title:
Stochastic processes with translational symmetry

PhD Recipients



ד"ר יניב טובול
Dr. Yaniv Tubul

מחלקה: מדעי כדור הארץ וכוכבי הלכת
בהדרכת: פרופ' אילן קורן

Department: Earth and Planetary
Sciences
Advisor: Prof. Ilan Koren

Thesis title:
Characterization of cloud and rain
regimes in the Hadley Cell



ד"ר מעין טהור
Dr. Maayan Tahor

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' גיל לבקוביץ

Department: Molecular Cell Biology
Advisor: Prof. Gil Levkowitz

Thesis title:
Investigating the adult function of the
transcription factor Otp in regulation of
homeostasis



ד"ר שירה טבצ'ניק צ'רני
Dr. Shira Tabachnick Cherny

מחלקה: בקרה ביולוגית
בהדרכת: פרופ' עמי נבון
פרופ' סטפן יונג

Department: Biological Regulation
Advisors: Prof. Ami Navon
Prof. Steffen Jung

Thesis title:
Revealing a mechanism that ensures
functional overlap between direct and
cross MHCII presentation

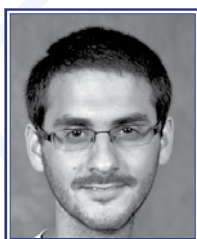


ד"ר אילון יוגב
Dr. Eylon Yogev

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' מוני נאור

Department: Computer Science and
Applied Mathematics
Advisor: Prof. Moni Naor

Thesis title:
Search problems: A cryptographic
perspective



ד"ר רון טנא
Dr. Ron Tenne

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' דן אורון

Department: Physics of Complex Systems
Advisor: Prof. Dan Oron

Thesis title:
Investigation and application of
high order photon correlation in the
photoluminescence of colloidal quantum
dots



ד"ר עידן טמיר
Dr. Idan Tamir

מחלקה: פיסיקה של חומר מעובה
בהדרכת: פרופ' דן שחר

Department: Condensed Matter Physics
Advisor: Prof. Dan Shahar

Thesis title:
An experimental investigation of a finite-
temperature insulator



ד"ר גל מור קליפה
Dr. Gal Mor Khalifa

מחלקה: ביולוגיה מבנית
בהדרכת: פרופ' ליאה אדדי
פרופ' סטפן וינר

Department: Structural Biology
Advisors: Prof. Lia Addadi
Prof. Steve Weiner

Thesis title:
Biom mineralization pathways in
foraminifera studied using new
correlative cryo-SEM/ fluorescence/ EDS
techniques



ד"ר נגה מאיר
Dr. Noga Meir

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' דן אורון

Department: Physics of Complex Systems
Advisor: Prof. Dan Oron

Thesis title:
Charge carrier dynamics in individual
and closely-packed heterostructured
quantum dots



ד"ר גדעון לפידות
Dr. Gideon Lapidoth

מחלקה: מדעים ביומולקולריים
בהדרכת: ד"ר שראל פליישמן

Department: Biomolecular Sciences
Advisor: Dr. Sarel Fleishman

Thesis title:
Computational design of protein function
using modular backbone assembly



ד"ר נטליה מירלס-נייסברג
Dr. Natalia Mirlas-Neisberg

מחלקה: מדעים ביומולקולריים
בהדרכת: פרופ' צבי ליבנה

Department: Biomolecular Sciences
Advisor: Prof. Zvi Livneh

Thesis title:
Functional relationship between nuclear
architecture and translesion DNA
synthesis in mammalian cells



ד"ר נויה מיטל כפיר
Dr. Noya Meital Kfir

מחלקה: נוירוביולוגיה
בהדרכת: פרופ' דב שגיא

Department: Neurobiology
Advisor: Prof. Dov Sagi

Thesis title:
Visual representations in the absence of
visual awareness



ד"ר אור מטלון
Dr. Or Matalon

מחלקה: ביולוגיה מבנית
בהדרכת: ד"ר עמנואל לוי

Department: Structural Biology
Advisor: Dr. Emmanuel Levy

Thesis title:
Quantitative analysis of protein
abundance and interactions in vivo

PhD Recipients



ד"ר נעמה להב
Dr. Naama Lahav

מחלקה: כימיה אורגנית
בהדרכת: פרופ' דוד מרגוליס

Department: Organic Chemistry
Advisor: Prof. David Margulies

Thesis title:
Genetically targeted protein binders
as tools for detecting bacteria and for
programming bacterial behavior



ד"ר גיא לדרגור
Dr. Guy Ledergor

מחלקה: אימונולוגיה
בהדרכת: פרופ' עידו עמית

Department: Immunology
Advisor: Prof. Ido Amit

Thesis title:
Single cell analysis of plasma cell
heterogeneity in multiple myeloma



ד"ר אוהד לבקוביץ
Dr. Ohad Levkovich

מחלקה: הוראת המדעים
בהדרכת: פרופ' ענת ירדן

Department: Science Teaching
Advisor: Prof. Anat Yarden

Thesis title:
Using computer-based Jmol tasks for
molecular modeling of proteins by
high-school students: development of
conceptual framework examination of
learning processes and perceptions

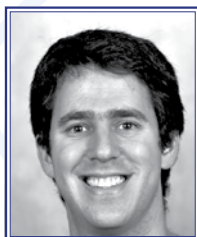


ד"ר פאי לי
Dr. Pei Li

מחלקה: מדעי כדור הארץ ווככי הלכת
בהדרכת: פרופ' בריאן ברקוביץ

Department: Earth and Planetary
Sciences
Advisor: Prof. Brian Berkowitz

Thesis title:
Interplay between resident and infiltrating
water and corresponding dynamics of
interacting reactive chemicals in porous
media



ד"ר עומר לוסטגרטן
Dr. Omer Lustgarten

מחלקה: כימיה אורגנית
בהדרכת: פרופ' דוד מרגוליס

Department: Organic Chemistry
Advisor: Prof. David Margulies

Thesis title:
Asymmetric quadruplex DNA structures
as scaffolds for preparing self-assembled
functional devices



ד"ר דנה רובי לוי
Dr. Dana Rubi Levy

מחלקה: נוירוביולוגיה
בהדרכת: ד"ר עופר יזרר

Department: Neurobiology
Advisor: Dr. Ofer Yizhar

Thesis title:
Dynamics of social representations in the
prefrontal cortex and their alterations in
mouse models of autism



ד"ר ינון נחום
Dr. Yinon Nahum

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' דוד פלג

Department: Computer Science and Applied Mathematics
Advisor: Prof. David Peleg

Thesis title:
Power and influence in social networks



ד"ר צחי נוימן
Dr. Tzahi Noiman

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' חיים כהנא

Department: Molecular Genetics
Advisor: Prof. Chaim Kahana

Thesis title:
Investigation of the mechanisms underlying inhibition of translation activity under conditions of polyamine depletion



ד"ר אשוואט נגר'אן
Dr. Ashwat Nagarajan

מחלקה: מדעים ביומולקולריים
בהדרכת: פרופ' דוד ולך

Department: Biomolecular Sciences
Advisor: Prof. David Wallach

Thesis title:
Proteomics exploration of NIK mediated signaling



ד"ר ניר סמואל
Dr. Nir Samuel

מחלקה: נוירוביולוגיה
בהדרכת: פרופ' רוני פז

Department: Neurobiology
Advisor: Prof. Rony Paz

Thesis title:
Emotional valence and implicit memory formation under anesthesia: Neural mechanisms in the amygdala and prefrontal cortex



ד"ר תומס סיקורסקי
Dr. Tomas Sikorsky

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' רוני עוזרי

Department: Physics of Complex Systems
Advisor: Prof. Roei Ozeri

Thesis title:
Quantum control of inelastic processes in atom-ion systems



ד"ר יותם סואץ
Dr. Jotham Suez

מחלקה: אימונולוגיה
בהדרכת: פרופ' ערן אלינב

Department: Immunology
Advisor: Prof. Eran Elinav

Thesis title:
Microbiome-based rational design of therapeutics

PhD Recipients



ד"ר אורי מעוז
Dr. Ori Maoz

מחלקה: נייורוביולוגיה
בהדרכת: פרופ' אלעד שניידמן

Department: Neurobiology
Advisor: Prof. Elad Schneidman

Thesis title:
Learning probability distributions in
randomly connected neural circuits



ד"ר יאיר מנור
Dr. Yair Manor

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' יעקב חנא

Department: Molecular Genetics
Advisor: Prof. Jacob (Yaquub) Hanna

Thesis title:
Principles of transcriptional regulation in
human pluripotent stem cell states

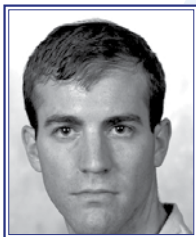


ד"ר ערן מישוק
Dr. Eran Mishuk

מחלקה: חומרים ופני שטח
בהדרכת: פרופ' איגור לובומירסקי

Department: Materials and Interfaces
Advisor: Prof. Igor Lubomirsky

Thesis title:
Electro-mechanical properties of
gadolinium doped-ceria films free of
mechanical constraints



ד"ר נעם מצליח
Dr. Noam Matzliah

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' ניר דודזון
פרופ' רועי עוזרי

Department: Physics of Complex Systems
Advisors: Prof. Nir Davidson
Prof. Roei Ozeri

Thesis title:
Observation of optomechanical strain in
a cold atomic cloud



ד"ר איל מצל-רז
Dr. Eyal Metzl-Raz

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' נעמה ברקאי

Department: Molecular Genetics
Advisor: Prof. Naama Barkai

Thesis title:
Growth limitations in the budding yeast



ד"ר דונה מצוב
Dr. Donna Matzov

מחלקה: ביולוגיה מבנית
בהדרכת: פרופ' עדה יונת

Department: Structural Biology
Advisor: Prof. Ada Yonath

Thesis title:
Near atomic resolution snapshot of
translational machineries



ד"ר גיל פרקש
Dr. Gil Farkash

מחלקה: פיסיקה כימית וביולוגיה
בהדרכת: פרופ' לוסיו פרידמן

Department: Chemical and Biological
Physics
Advisor: Prof. Lucio Frydman

Thesis title:
Robust methods and sequences for
achieving n-dimensional localization
In-Vivo with magnetic resonance
spectroscopy and imaging



ד"ר עופר פרל
Dr. Ofer Perl

מחלקה: נייורוביולוגיה
בהדרכת: פרופ' נעם סובל

Department: Neurobiology
Advisor: Prof. Noam Sobel

Thesis title:
The inspirational brain: Phase-locking of
human non-olfactory cognition to sniffing



ד"ר יפים פן
Dr. Yefim Pen

מחלקה: נייורוביולוגיה
בהדרכת: פרופ' טלי קמחי

Department: Neurobiology
Advisor: Prof. Tali Kimchi

Thesis title:
The role of TrpC2 channel in mediating
social behavior of male mice within a
group



ד"ר יוג'ין קו
Dr. Eugene Koh

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' רוברט פלור

Department: Plant and Environmental
Sciences
Advisor: Prof. Robert Fluhr

Thesis title:
Deciphering singlet oxygen signalling
pathways in Arabidopsis



ד"ר מיטל צ'רני-נתן
Dr. Meital Charni-Natan

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' ורדה רוטר

Department: Molecular Cell Biology
Advisor: Prof. Varda Rotter

Thesis title:
The non-cell-autonomous function of
p53 in the liver



ד"ר אולגה צ'ובניק
Dr. Olga Chovnik

מחלקה: כימיה אורגנית
בהדרכת: פרופ' מילקו אריק ואן דר בום

Department: Organic Chemistry
Advisor: Prof. Milko Erik Van Der Boom

Thesis title:
Noncovalent interactions in the design
and formation of molecular solid-state
architectures

PhD Recipients



ד"ר רנד ערפה
Dr. Rand Arafah

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' ירדנה סמואלס

Department: Molecular Cell Biology
Advisor: Prof. Yarden Samuels

Thesis title:
A systematic and an unbiased genomic analysis to identify novel targets in melanoma



ד"ר דורון עזורי
Dr. Doron Azoury

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' נירית דודוביץ

Department: Physics of Complex Systems
Advisor: Prof. Nirit Dudovitch

Thesis title:
New schemes in time resolved attosecond measurements



ד"ר אור סקלי
Dr. Or Szekely

מחלקה: פיסיקה כימית וביולוגית
בהדרכת: פרופ' לוסיו פרידמן

Department: Chemical and Biological Physics
Advisor: Prof. Lucio Frydman

Thesis title:
Enhancing the time resolution and sensitivity of protein NMR



ד"ר שדמה פילר-חיות
Dr. Shdema Filler-Hayut

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' אברהם לוי

Department: Plant and Environmental Sciences
Advisor: Prof. Avraham Levy

Thesis title:
Probing and controlling DNA recombination and repair in plants using the CRISPR-Cas9 system



ד"ר מריה פייראנטוני
Dr. Maria Pierantoni

מחלקה: ביולוגיה מבנית
בהדרכת: פרופ' ליאה אדדי
פרופ' סטפן וינר

Department: Structural Biology
Advisors: Prof. Lia Addadi
Prof. Steve Weiner

Thesis title:
Functions and properties of calcium oxalate, calcium carbonate and silica deposits in leaves



ד"ר גרולד פוקס
Dr. Garold Fuks

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' איתן דומאני
ד"ר נועם שנטל

Department: Physics of Complex Systems
Advisors: Prof. Eytan Domany
Dr. Noam Shental

Thesis title:
Microbial community profiling and topics in cancer research



ד"ר ניצן רזין
Dr. Nitzan Razin

מחלקה: פיסיקה כימית וביולוגית
בהדרכת: פרופ' ניר גוב

Department: Chemical and Biological Physics
Advisor: Prof. Nir Gov

Thesis title:
Non-equilibrium physics of active particles: forces in inhomogeneous systems and susceptibility to external force



ד"ר אייל רוני
Dr. Eyal Ronen

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' עדי שמיר

Department: Computer Science and Applied Mathematics
Advisor: Prof. Adi Shamir

Thesis title:
The security of IoT devices



ד"ר שירי רוני
Dr. Shiri Ron

מחלקה: נירוביולוגיה
בהדרכת: ד"ר עופר יזחר

Department: Neurobiology
Advisor: Dr. Ofer Yizhar

Thesis title:
Spectral fiber photometry for measuring reward-associated dynamics of excitatory and inhibitory prefrontal populations



ד"ר יהונתן ריינר
Dr. Jonathan Reiner

מחלקה: פיסיקה של חומר מעובה
בהדרכת: ד"ר חיים ביידנקוף

Department: Condensed Matter Physics
Advisor: Dr. Haim Beidenkopf

Thesis title:
Scanning tunneling microscopy study of electronic behavior in semiconducting nanowires



ד"ר נעמה רייכר
Dr. Naama Reicher

מחלקה: מדעי כדור הארץ וכוכבי הלכת
בהדרכת: פרופ' ינון רודיך

Department: Earth and Planetary Sciences
Advisor: Prof. Yinon Rudich

Thesis title:
Laboratory and field studies on the properties and processes that affect ice nucleation in mixed phase clouds



ד"ר נטע רחימי
Dr. Neta Rahimi

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' בן ציון שילה
ד"ר איל שכטר

Department: Molecular Genetics
Advisors: Prof. Benny Shilo
Dr. Eyal Schejter

Thesis title:
The dynamics and precision of the Spz/Toll pathway in the drosophila Embryo

PhD Recipients



ד"ר אילינה קולקר-באראביק
Dr. Ilina Kolker-Baravik

מחלקה: פיסיקה כימית וביולוגית
בהדרכת: פרופ' רון נעמן

Department: Chemical and Biological
Physics
Advisor: Prof. Ron Naaman

Thesis title:
Sensing cellular activity using MOCSEER
device

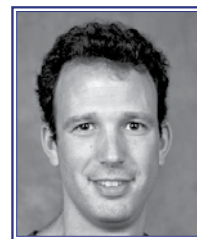


ד"ר מאשה קולסניקוב
Dr. Masha Kolesnikov

מחלקה: אימונולוגיה
בהדרכת: פרופ' סטפן יונג

Department: Immunology
Advisor: Prof. Steffen Jung

Thesis title:
Antigen uptake and presentation by
mononuclear phagocytes in the Peyer's
Patches



ד"ר ערן קוטלר
Dr. Eran Kotler

מחלקה: ביולוגיה מולקולרית של התא
בהדרכת: פרופ' משה אורן
פרופ' ערן סגל

Department: Molecular Cell Biology
Advisors: Prof. Moshe Oren
Prof. Eran Segal

Thesis title:
Comprehensive characterization of the
functional effects of p53 mutations



ד"ר שירן רבינוביץ'
Dr. Shiran Rabinovich

מחלקה: בקרה ביולוגית
בהדרכת: ד"ר איילת ארז

Department: Biological Regulation
Advisor: Dr. Ayelet Erez

Thesis title:
Metabolic rewiring of cancer cells
by altered expression of urea cycle
components



ד"ר אלכסנדר קרצר
Dr. Alexander Kertzer

מחלקה: נוירוביולוגיה
בהדרכת: פרופ' מיכל אייזנברג-שוורץ

Department: Neurobiology
Advisor: Prof. Michal Schwartz

Thesis title:
Regulation of the blood-cerebrospinal
fluid barrier as a gateway for leukocyte
trafficking in physiology and pathology



ד"ר הודיה קיסר
Dr. Hodaya Keisar

מחלקה: כימיה אורגנית
בהדרכת: פרופ' מילקו אריק ואן דר בום

Department: Organic Chemistry
Advisor: Prof. Milko Erik Van Der Boom

Thesis title:
Supramolecular architectures on surfaces:
Composition control and molecular logic



ד"ר קאיג'י שן
Dr. Kaiji Shen

מחלקה: כימיה אורגנית
בהדרכת: פרופ' רוני נוימן

Department: Organic Chemistry
Advisor: Prof. Ronny Neumann

Thesis title:
Synthesis and catalytic activity of earth abundant metal complexes based on mono carbon bridged bis-phenanthroline ligands



ד"ר תמר שלפוברסקי
Dr. Tamar Shlapobersky

מחלקה: נוירוביולוגיה
בהדרכת: פרופ' אלון חן

Department: Neurobiology
Advisor: Prof. Alon Chen

Thesis title:
The role of the central CRF system in mediating stress-induced attention and sleep architecture



ד"ר נדב שי
Dr. Nadav Shai

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' מאיה שולדינר

Department: Molecular Genetics
Advisor: Prof. Maya Schuldiner

Thesis title:
Identifying and characterizing contact sites between organelles



ד"ר רוני שריקי
Dr. Ronen Chriki

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' ניר דודזון
פרופ' אשר פריזם

Department: Physics of Complex Systems
Advisors: Prof. Nir Davidson
Prof. Asher A. Friesem

Thesis title:
Lasers with controlled spatial coherence and applications



ד"ר הדס שר שלום
Dr. Hadas Sar Shalom

מחלקה: מדעים ביומולקולריים
בהדרכת: פרופ' אברהם ירון

Department: Biomolecular Sciences
Advisor: Prof. Avraham Yaron

Thesis title:
Semaphorins-BDNF balance in the sexually dimorphic innervation of the mammary gland



ד"ר אילנית שפיר
Dr. Ilanit Shapir

מחלקה: פיסיקה של חומר מעובה
בהדרכת: פרופ' שחל אילני

Department: Condensed Matter Physics
Advisor: Prof. Shahal Ilani

Thesis title:
Imaging interacting electrons in low-dimensional systems

PhD Recipients



ד"ר אנסטסיה שולמן
Dr. Anastasiya Shulman

מחלקה: ביולוגיה מבנית
בהדרכת: ד"ר רון דיסקין

Department: Structural Biology
Advisor: Dr. Ron Diskin

Thesis title:
Structural and functional study
internalization by "Old World"
arenaviruses



ד"ר ערן שגיא
Dr. Eran Sagi

מחלקה: פיסיקה של חומר מעובה
בהדרכת: פרופ' יובל אורג

Department: Condensed Matter Physics
Advisor: Prof. Yuval Oreg

Thesis title:
Strongly interacting topological phases



ד"ר יבגני רקיטה
Dr. Yevgeny Rakita

מחלקה: חומרים ופני שטח
בהדרכת: פרופ' גרי הודס
פרופ' דוד כהן

Department: Materials and Interfaces
Advisors: Prof. Gary Hodes
Prof. David Cahen

Thesis title:
Between structure and performance
in halide perovskites for photovoltaic
applications: The role of defects

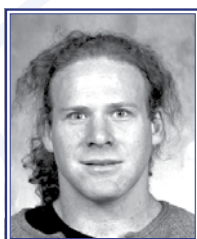


ד"ר אריאל שטיינר
Dr. Ariel Steiner

מחלקה: הוראת המדעים
בהדרכת: פרופ' עידית ירושלמי
פרופ' שמואל שפרן

Department: Science Teaching
Advisors: Prof. Edit Yerushalmi
Prof. Samuel Safran

Thesis title:
Research based design of an Instructional
unit statistical mechanics - model of the
diffusion phenomenon



ד"ר דוד שטטר
Dr. David Statter

מחלקה: הוראת המדעים
בהדרכת: פרופ' מיכל ארמוני

Department: Science Teaching
Advisor: Prof. Michal Armoni

Thesis title:
Teaching abstraction in computer science
to middle-school students



ד"ר כרמל אברהם בן-ציון שור
Dr. Carmel A.B.Z. Shor

מחלקה: פיסיקה כימית וביולוגית
בהדרכת: פרופ' איתמר פרוקצ'ה

Department: Chemical and Biological
Physics
Advisor: Prof. Itamar Procaccia

Thesis title:
Plasticity as a mechanism for nonlinearity
in amorphous solids



ד"ר אבנר קרסיק
Dr. Avner Karasik

מחלקה: פיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת: פרופ' מיכה ברכוז
פרופ' עופר אהרונן

Department: Particle Physics and
Astrophysics
Advisor: Prof. Micha Berkooz
Prof. Ofer Aharony

Title of thesis:
Strongly interacting gauge theories in
four spacetime dimensions



ד"ר מיכאל קולבק
Dr. Michael Kulbak

מחלקה: חומרים ופני שטח
בהדרכת: פרופ' גרי הודס
פרופ' דוד כאהן

Department: Materials and Interfaces
Advisor: Prof. Gary Hodes
Prof. David Cahen

Title of thesis:
High voltage bromide-based perovskite
solar cells



ד"ר נטע פלזנטל (מעיינ)
Dr. Neta Felsenthal (Maayan)

מחלקה: גנטיקה מולקולרית
בהדרכת: פרופ' אלעזר זלצר

Department: Molecular Genetics
Advisor: Prof. Elazar Zelzer

Title of thesis:
The development and healing of the
tendon-bone attachment



ד"ר ארי שביב
Dr. Ary Shaviv

מחלקה: מתמטיקה
בהדרכת: פרופ' דמיטרי גורביץ

Department: Mathematics
Advisor: Prof. Dmitry Gourevitch

Title of thesis:
Schwartz functions and tempered
distributions on real geometric objects

PhD Recipients



ד"ר אבירם גלבלום
Dr. Aviram Gelblum

מחלקה: פיסיקה של מערכות מורכבות
בהדרכת: פרופ' עפר פינרמן

Department: Physics of Complex Systems
Advisor: Prof. Ofer Feinerman

Title of thesis:
On collective transport by the ant
paratrechina longicornis



ד"ר אלכסנדרה גוז
Dr. Alexandra Goz

מחלקה: מדעי הצמח והסביבה
בהדרכת: פרופ' אביגדור שרץ

Department: Plant and Environmental
Sciences
Advisor: Prof. Avigdor Scherz

Title of thesis:
Structural and biomechanical effects of
bacteriochlorophyll α derivatives (BchlDs)
and near infrared light (NIR) on sclera.
Elucidating the mechanism of action

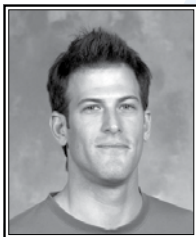


ד"ר יוסף ארְגְוִי
Dr. Yossi Arjevani

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' אוהד שמיר

Department: Computer Science and
Applied Mathematics
Advisor: Prof. Ohad Shamir

Title of thesis:
On the theoretical foundations of large-
scale optimization with applications in
machine learning

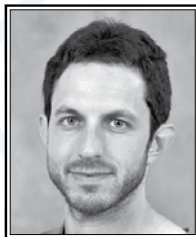


ד"ר אורי פטיש
Dr. Uri Patish

מחלקה: מדעי המחשב ומתמטיקה שימושית
בהדרכת: פרופ' שמעון אולמן

Department: Computer Science and
Applied Mathematics
Advisor: Prof. Shimon Ullman

Title of thesis:
Learning to generate models

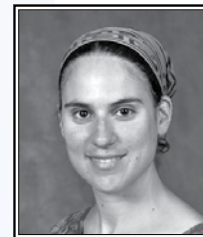


ד"ר נב זמורה
Dr. Niv Zmora

מחלקה: אימונולוגיה
בהדרכת: פרופ' ערן אלינב

Department: Immunology
Advisor: Prof. Eran Elinav

Title of thesis:
Microbiome-based personalized
interventions



ד"ר טליה וקנין
Dr. Talya Vaknin

מחלקה: פיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת: פרופ' זוהר קומרגודסקי
פרופ' מיכה ברכוז

Department: Particle Physics and
Astrophysics
Advisor: Prof. Zohar Komargodski
Prof. Micha Berkooz

Title of thesis:
Symmetries entanglement and
deformations in quantum field theories

MSc Recipients

Idan Adir
Alejandro Aguilera Castrejon
Yadid Algavi
Yotam Amar
Emmanuel Amzallag
Daniella Apelblat
Nitzan Artzi
Nadav Auerbach
Ziv Avizemer
Oran Ayalon
Dima Azaiza
Abhishek Banerjee
Nitsan Bar
Noam Bar
Gitit Bar Eli
Batya Bejar
Roman Beliy
Gilad Belkin
Heli Ben-Hamu
Daniel Ben Hur
Roni Ben Maimon
Roe Ben Nissan
Asaf Benjamin
Gal Benor
Sivan Biham
Amit Binyamin
Mirit Biton
Alexander Cheplev
Rotem Chiprot
Galit Cohen
Renee Cohen Rabi
Marvin Fernades da Silva
Omri Davidson
Yotam Dikstein
Shiri Dishon

Artem Dubovetskyi
Keren Duer
Sebastian Duque Mesa
Adi Egozi
Dan Eliahu
Or Eliason
Eshkol Eytan
Saar Ezagouri
Lior Faigon
Reuven Falkovich
Tal Finkelman
Tamir Forsht
Saskia Rebekah Freud Stiebel
Tzahi Gabzi
Sagie Gadasi
Amit Gal
Yosef Gandelsman
Hadas Gardi
Amnon Geifman
Dikla Gelbard Solodkin
Tal Giladi
Ella Gillis
Omer Goldman
Tom Granot
Alisa Greenberg
Daniel Greenfeld
Yuval Grossman
Neta Gurwicz
Rotem Hadar
Guy Haim
Heden Haimov
Coral Halperin
Anna Harari
Adi Harchol
Yair Harel

Adi Hazak
Ori Heyman
Roi Holtzman
Gilad Jakoby
Gabriel Javitt
Assaf Kacen
Daniel Kaplan
Dror Kaufmann
Omer Kneller
Kiril Kniazev
Tom Koren
Omri Lapidot
Roei Lazar
Elyashev Leibtag
Lihl Levin
Tal Levin
Tomer Levy
Yuval Levy
Demian Liebermann
David Lifshitz
Jordana Lindner-Ovadia
Chen Lior
Dina Listov
Shaked Lublinsky
Stav Marcus
Gilad Margalit
Baruch Margulis
Sedi Medina
Liliya Melamed
Oran Melanker
Ron Melcer
Matan Menahem
Neomi Mizrahi
Anna Morozov
Sapir Mufkadi

Jonathan Mushkin
Shira Naor
Aviv Netanyahu
Moran Netser
Alon Nudelman
Aya Osherov
Noa Oppenheimer-Low
Pritish Patil
Yagel Lee Peleg
David Perl Nussbaum
Jonatan Piasetzky
Omer Polansky
Preethi Rajamannar
Nechama Rakow
Nihal Rao
Inbal Ravreby
Boaz Raz
Rohit Reghupathy
David Reitblat
Batel Rephael
Shahar Rezenman
Rachel Rimmer
Marianna Riutin
Hagai Rossman
Inbar Savoray
Ori Sberlo
Nathan Schiffmann
Zohar Schwartzman-Nowik
Omer Shabtai
Taga Shaket
Alon Shapira
Yonatan Shapira
Amir Sharon
Ira Shavitt
Mahran Shehadeh

Gal Shner
Keren Shoshani-Haye
Shai Slomka De Oliveira
Eliran Soffer
Timna Soroka
Noa Stern
Yigal Sternklar
Nitzan Tal
Amit Tulchinsky
Ilia Tutunnikov
Erez Urbach
Lars Van Beurden
Assaf Vardy
Itamar Vigdorovich
Shay Vimer
Eran Vos
Adi Watzman
Roi Weinberger
Maya Weiss
Guy Weitzman
Gili Wellner
Adam Yaari
Naama Yaeli Slonim
Adi Yakovian
Ilan Yehiel Guttmann
Gal Yona
Ella Yonai
Eyal Zajfman
Inbar Zohar
Ori Zucker
Yehuda Zur

MSc Recipients



אשכול איתן
Eshkol Eytan

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' אילן קורן

Field of Study: Chemical Sciences
Advisor: Prof. Ilan Koren

Thesis title:
The clouds twilight zone: From entrainment to small clouds and humidity pockets



סער אזגורי
Saar Ezagouri

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' גד אשר

Field of Study: Life Sciences
Advisor: Prof. Gad Asher

Thesis title:
Physiological and molecular dissection of daily variance in exercise performance



איה אושרוב
Aya Osherov

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' דוד כהן
פרופ' גרי הודס

Field of Study: Chemical Sciences
Advisors: Prof. David Cahen
Prof. Gary Hodes

Thesis title:
Halide exchange in single crystal halide perovskites



עמנואל אמזלג
Emmanuel Amzallag

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלדד צחור

Field of Study: Life Sciences
Advisor: Prof. Eldad Tzahor

Thesis title:
The role of ERK-CaMKII signaling during mammalian myoblast differentiation and fusion



אור אליאסון
Or Eliason

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר עינת שגב

Field of Study: Life Sciences
Advisor: Dr. Einat Segev

Thesis title:
The bacterial influence on the production and trace metal composition of algal CaCO₃



ידיד אלגאוי
Yadid Algavi

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' מילקו אריק ואן דר בום

Field of Study: Chemical Sciences
Advisor: Prof. Milko Erik Van Der Boom

Thesis title:
Metallo-organic assemblies for charge storage

MSc Recipients



אלחנדרו אגילרה
Alejandro Aguilera Castrejon

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יעקב חנא

Field of Study: Life Sciences
Advisor: Prof. Jacob (Yaqub) Hanna

Thesis title:
Ex-utero development of the mouse embryo from blastocyst to egg cylinder and gastrulation to somitogenesis



עדי אגוזי
Adi Egozi

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' שלו איצקוביץ

Field of Study: Life Sciences
Advisor: Prof. Shalev Itzkovitz

Thesis title:
Single cell heterogeneity in the exocrine murine pancreas



זיו אביזמר
Ziv Avizemer

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' דן תופיק

Field of Study: Life Sciences
Advisor: Prof. Dan Tawfik

Thesis title:
Unraveling the evolutionary "ping-pong" of a protein-protein interaction using computational tools



ארוז אורבך
Erez Urbach

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' עופר אהרוני

Field of Study: Physical Sciences
Advisor: Prof. Ofer Aharony

Thesis title:
The phase diagram for holographic conformal field theories on $S^d \times S^d$



נדב אוירבך
Nadav Auerbach

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' אלי זלדוב

Field of Study: Physical Sciences
Advisor: Prof. Eli Zeldov

Thesis title:
Developing a scanning SQUID-on-TIP for thermal and magnetic imaging at Mili-Kelvin temperatures and simulating the magnetoelectric effect in graphene



עידן אדיר
Idan Adir

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אירית שגיא

Field of Study: Life Sciences
Advisor: Prof. Irit Sagi

Thesis title:
Establishing and characterizing the cellular and extracellular components of the murine Asherman's Syndrome model

MSc Recipients



רני בן מימון
Roni Ben Maimon

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר אורן רז

Field of Study: Physical Sciences
Advisor: Dr. Oren Raz

Thesis title:
Fluctuations in oscillatory currents in cold trapped ion systems as a source of the anomalous heating



חלי בן-חמו
Heli Ben-Hamu

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' ירון ליפמן

Field of Study: Mathematics and Computer Science
Advisor: Prof. Yaron Lipman

Thesis title:
Multi-chart generative surface modeling



דניאל בן חור
Daniel Ben Hur

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יחיאל שי

Field of Study: Life Sciences
Advisor: Prof. Yechiel Shai

Thesis title:
DL-K6L9 anti-microbial peptide activity against pseudomonas aeruginosa isolates from cystic fibrosis patients



אסף בנימין
Asaf Benjamin

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר עופר יזהר
פרופ' אלון חן

Field of Study: Life Sciences
Advisors: Dr. Ofer Yizhar
Prof. Alon Chen

Thesis title:
Neural representations of social dominance hierarchy in the mouse prefrontal cortex



גל בנאור
Gal Benor

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' איתן דומאני
פרופ' משה אורן

Field of Study: Mathematics and Computer Science
Advisors: Prof. Eytan Domany
Prof. Moshe Oren

Thesis title:
Breast cancer research using machine learning tools focusing on p53 gain of function



רועי בן ניסן
Roei Ben Nissan

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' רון מילוא

Field of Study: Life Sciences
Advisor: Prof. Ron Milo

Thesis title:
Metabolic engineering and directed evolution of E. coli towards autotrophic growth

MSc Recipients



סינן ביהם
Sivan Biham

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' רוני בצרי

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Ronen Basri

Thesis title:
Low Memory training of CNNs with
irregular down-sampling of images



ניצן ארצי
Nitzan Artzi

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: ד"ר איתי תירוש

Field of Study: Mathematics and
Computer Science
Advisor: Dr. Itay Tirosh

Thesis title:
Accurate prediction of gestational
diabetes based on electronic-health-
records



דניאלה אפלבלט
Daniella Apelblat

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר איבו שפיגל

Field of Study: Life Sciences
Advisor: Dr. Ivo Spiegel

Thesis title:
Molecular characterization of NDNF
interneurons in cortical layer 1



רומן בלי
Roman Beliy

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' מיכל אירני

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Michal Irani

Thesis title:
Decoding the brain: Self-supervised
natural image reconstruction from brain
activity



בתיה בכר
Batya Bejar

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלון חן

Field of Study: Life Sciences
Advisor: Prof. Alon Chen

Thesis title:
Effects of maternal physical activity
on the metabolic and behavioral
profile of offspring; Characterization
and examination of possible transfer
mechanisms



מירית ביטון
Mirit Biton

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר נטע רגב-רודזקי

Field of Study: Life Sciences
Advisor: Dr. Neta Regev-Rudzki

Thesis title:
Malaria parasite-derived vesicles
associate with host NF-kB signaling
pathway

MSc Recipients



עומר גולדמן
Omer Goldman

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר איילת ארז

Field of Study: Life Sciences
Advisor: Dr. Ayelet Erez

Thesis title:
Deciphering miR-224-5p roles in ASS1 regulation



אילן יחיאל גוטמן
Ilan Yehiel Guttman

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' דב שגיא
ד"ר עמוס אריאלי

Field of Study: Life Sciences
Advisors: Prof. Dov Sagi
Dr. Amos Arieli

Thesis title:
Tracking the dynamics of human decision processes using eye-movements



שגיא גדסי
Sagie Gadasi

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' נירית דודוביץ

Field of Study: Physical Sciences
Advisor: Prof. Nirit Dudovitch

Thesis title:
Frequency control of high-harmonic generation



עמית גל
Amit Gal

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר אורן רז

Field of Study: Physical Sciences
Advisor: Dr. Oren Raz

Thesis title:
Pre-cooling strategy allows exponentially faster heating



אלה גיליס
Ella Gillis

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר נעם שטרן-גינוסר

Field of Study: Life Sciences
Advisor: Dr. Noam Stern-Ginossar

Thesis title:
m6A mRNA modification controls the innate immune response to infection by targeting type I interferons



נטע גורביץ
Neta Gurwicz

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אברהם ירון

Field of Study: Life Sciences
Advisor: Prof. Avraham Yaron

Thesis title:
The role of the LVS motif in the guidance receptor Plexin-A4 in axon guidance

MSc Recipients



נועם בר
Noam Bar

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' ערן סגל

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Eran Segal

Thesis title:
Diet and gut microbiota dominate
in explaining the human serum
metabolome



אבהישק בנרג'י
Abhishek Banerjee

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' גלעד פרוז

Field of Study: Physical Sciences
Advisor: Prof. Gilad Perez

Thesis title:
Coherent relaxation dark matter



עמית בנימין
Amit Binyamin

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יעקב אברמסון

Field of Study: Life Sciences
Advisor: Prof. Jakub Abramson

Thesis title:
Understanding the role of Aire-expressing
innate lymphoid cells in anti-fungal
response and exploiting its dysfunction in
AIRE-deficient patients



צחי גבזי
Tzahi Gabzi

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' יצחק פלפל
ד"ר תמר פרידלנדר

Field of Study: Mathematics and
Computer Science
Advisors: Prof. Yitzhak Pilpel
Dr. Tamar Friedlander

Thesis title:
Exploration of rugged fitness landscapes
reveals wild type's sub optimality



גיתית בר אלי
Gitit Bar Eli

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' ירדנה סמואלס

Field of Study: Life Sciences
Advisor: Prof. Yarden Samuels

Thesis title:
Deciphering the complex relationship
between intra-tumor heterogeneity
mutational load and immune response in
melanoma



ניצן בר
Nitsan Bar

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר כפיר בלום
פרופ' יוסף ניר

Field of Study: Physical Sciences
Advisors: Dr. Kfir Blum
Prof. Yosef Nir

Thesis title:
Neutrino flavour as a probe of the
explosion mechanism of core-collapse
supernovae

MSc Recipients



מרזן דה סלזוה
Marvin Da Silva

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר דורון קושניר

Field of Study: Physical Sciences
Advisor: Dr. Doron Kushnir

Thesis title:
An advanced numerical scheme to solve Aristotelian electrodynamics with application to pulsar magnetospheres



תום גרנות
Tom Granot

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' דוד מרגוליס

Field of Study: Chemical Sciences
Advisor: Prof. David Margulies

Thesis title:
Immunoprofiling by a pattern-generating fluorescent molecular probe



דניאל גרינפלד
Daniel Greenfeld

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' רוני בצרי

Field of Study: Mathematics and Computer Science
Advisor: Prof. Ronen Basri

Thesis title:
Learning to optimize multigrid PDE solvers



עמרי דזידסון
Omri Davidson

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר עופר פירסטנברג

Field of Study: Physical Sciences
Advisor: Dr. Ofer Firstenberg

Thesis title:
Designing, building and characterizing a single-photon source



ארטם דובוביצקי
Artem Dubovetsky

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' דן תופיק

Field of Study: Life Sciences
Advisor: Prof. Dan Tawfik

Thesis title:
Toward new tools for the tracing proteins and protein interactions inside the cell



קרן דואר
Keren Duer

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' יוחאי כספי

Field of Study: Chemical Sciences
Advisor: Prof. Yohai Kaspi

Thesis title:
The interaction between the magnetic field and the atmospheric circulation on giant planets

MSc Recipients



יוסף גנדלסמן
Yosef Gandelsman

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' מיכל אירני

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Michal Irani

Thesis title:
Unsupervised image decomposition via
coupled deep-image-priors



טל גלעדי
Tal Giladi

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יעקב אברמסון

Field of Study: Life Sciences
Advisor: Prof. Jakub Abramson

Thesis title:
Identification and characterization of
endocrine-like cells in the thymus



דיקלה גלברד סולודקין
Dikla Gelbard Solodkin

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' עידו עמית

Field of Study: Life Sciences
Advisor: Prof. Ido Amit

Thesis title:
Development of novel analytical tools
to investigate the crosstalk between the
immune system and the tissue niche by
scRNA-seq



אליסה גרינברג
Alisa Greenberg

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יצחק פלפל

Field of Study: Life Sciences
Advisor: Prof. Yitzhak Pilpel

Thesis title:
Systematic detection of cellular factors
affecting translation accuracy upon
physiological and genetic perturbations



יובל גרוסמן
Yuval Grossman

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' עודד אהרונסון

Field of Study: Chemical Sciences
Advisor: Prof. Oded Aharonson

Thesis title:
Remanent magnetization of dusty ice
deposits



הדס גרדי
Hadas Gardi

מגמה ראשית: הוראת המדעים
בהדרכת: פרופ' ענת ירדן

Field of Study: Science Teaching
Advisor: Prof. Anat Yarden

Thesis title:
Biology majors' ability to connect topics
at different majors levels of organization: Using
an online learning environment

MSc Recipients



עדי הרחול
Adi Harchol

מגמה ראשית: מדעי הכימיה
בהדרכת: ד"ר מיכל לסקס

Field of Study: Chemical Sciences
Advisor: Dr. Michal Leskes

Thesis title:
Towards detection of Crosstalk processes
in high voltage Li-ion batteries by MAS-
DNP NMR Spectroscopy



יאיר הראל
Yair Harel

מגמה ראשית: מדעי הכימיה
בהדרכת: ד"ר הגן הופמן

Field of Study: Chemical Sciences
Advisor: Dr. Hagen Hofmann

Thesis title:
Solution-sensitive interactions in a
network of intrinsically disordered
proteins



קורל הלפרין
Coral Halperin

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר רות שרץ-שוובל

Field of Study: Life Sciences
Advisor: Dr. Ruth Scherz-Shouval

Thesis title:
Exploring the dependence of HSF1
transcriptional program in cancer stroma
on the epigenome



מיה וייס
Maya Weiss

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' מיכה ברכוז

Field of Study: Physical Sciences
Advisor: Prof. Micha Berkooz

Thesis title:
Duals of CFT's in curved space



רועי ויינברגר
Roi Weinberger

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' עפר פינרמן

Field of Study: Chemical Sciences
Advisor: Prof. Ofer Feinerman

Thesis title:
Nest population and excavation
dynamics in the carpenter ant
Camponotus fellah



לרס ואן בורדן
Lars Van Beurden

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר רינה רוזנצוויג

Field of Study: Life Sciences
Advisor: Dr. Rina Rosenzweig

Thesis title:
Function of the HspA6 molecular
chaperone

MSc Recipients



שירי דישון
Shiri Dishon

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' ארנסטו יוסלביץ'

Field of Study: Chemical Sciences
Advisor: Prof. Ernesto Joselevich

Thesis title:
Surface-guided core-shell GaN@ZnTe
Nanowires: A highly mismatched
heterostructure



יותם דיקשטיין
Yotam Dikstein

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' אירית דינור

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Irit Dinur

Thesis title:
Agreement theorems and fourier
decomposition on high dimensional
expanders



סבסטיאן דוקה מסה
Sebastian Duque Mesa

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר עופר פירסטנברג

Field of Study: Physical Sciences
Advisor: Dr. Ofer Firstenberg

Thesis title:
Search for new physics with Rydberg
atoms



אורי הימן
Ori Heyman

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר רועי אברהם

Field of Study: Life Sciences
Advisor: Dr. Roi Avraham

Thesis title:
A novel pooled mutant screen approach
to analyze bacterial secretion effectors
with single-cell resolution



רועי הולצמן
Roi Holtzman

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר אורן רז

Field of Study: Physical Sciences
Advisor: Dr. Oren Raz

Thesis title:
Modeling stochasticity in crumpled thin
sheets and finding their equilibrium
properties using the Jarzynski equality



רותם הדר
Rotem Hadar

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר אילנה קולודקין-גל

Field of Study: Life Sciences
Advisor: Dr. Ilana Kolodkin-Gal

Thesis title:
Horizontal RNA transfer in vesicles in
Bacillus subtilis

MSc Recipients



ניצן טל
Nitzan Tal

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' רותם שורק

Field of Study: Life Sciences
Advisor: Prof. Rotem Sorek

Thesis title:
Characterizing the bacteriophage communication system arbitrium in diverse phages



איליה טוטוניקוב
Ilia Tutunnikov

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' איליה אברבוכן
פרופ' יחיעם פריאור

Field of Study: Chemical Sciences
Advisors: Prof. Ilya Averbukh
Prof. Yehiam Prior

Thesis title:
Spatiotemporal dynamics of molecular rotations and vibrations controlled by intense laser fields



חידן חיימוב
Heden Haimov

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' ליאה אדדי

Field of Study: Chemical Sciences
Advisor: Prof. Lia Addadi

Thesis title:
Structural Characterization of Growth Plate Mineralization Processes in Mice Tibiae



נעמה יעלי סלונים
Naama Yaeli Slonim

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' עדי קמחי

Field of Study: Life Sciences
Advisor: Prof. Adi Kimchi

Thesis title:
Identifying novel ubiquitination events underlying the regulation of the autophagy network



גל יונה
Gal Yona

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' גיא רוטבלום

Field of Study: Mathematics and Computer Science
Advisor: Prof. Guy Rothblum

Thesis title:
Fairness in Data-Driven algorithms: A computational perspective



אלה יונאי
Ella Yonai

מגמה ראשית: הוראת המדעים
בהדרכת: פרופ' רון בלונדר

Field of Study: Science Teaching
Advisor: Prof. Ron Blonder

Thesis title:
Communication between scientists, teachers and students (and the role of science education) in bridging contemporary science and science students

MSc Recipients



גילי ולנר
Gili Wellner

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' קרינה יניב

Field of Study: Life Sciences
Advisor: Prof. Karina Yaniv

Thesis title:
Functional characterization of the lymphatic system during the immune response in the juvenile zebrafish



עדי ויצמן
Adi Watzman

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' ערן סגל

Field of Study: Mathematics and Computer Science
Advisor: Prof. Eran Segal

Thesis title:
High resolution human gut microbiome evolutionary dynamics revealed by investigating DNA sequence similarities of large scale



שי וימר
Shay Vimer

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' מיכל שרון

Field of Study: Life Sciences
Advisor: Prof. Michal Sharon

Thesis title:
Rapid characterization of secreted recombinant proteins by direct native mass spectrometry



גיא חיים
Guy Haim

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' ערן הורנשטיין

Field of Study: Life Sciences
Advisor: Prof. Eran Hornstein

Thesis title:
Specific ALS-associated mutations in miR-218 impair its biogenesis and function



עדי חזק
Adi Hazak

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אירית שגיא

Field of Study: Life Sciences
Advisor: Prof. Irit Sagi

Thesis title:
Deciphering the mechanisms of action by which MT1-MMP as a central protease exacerbates bacterial and viral infection



איל זייפמן
Eyal Zajfman

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר שראל פליישמן

Field of Study: Life Sciences
Advisor: Dr. Sarel Fleishman

Thesis title:
Computational design of single-domain antibody repertoires

MSc Recipients



רועי לזר
Roei Lazar

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' ירון ליפמן

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Yaron Lipman

Thesis title:
Robust optimization for topological
surface reconstruction



ליה לזין
Lihl Levin

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' סטפן וינר

Field of Study: Life Sciences
Advisor: Prof. Steve Weiner

Thesis title:
Bone adaptation to terrestrial
locomotion: A study of mudskipper fin
ray bones



טל לזין
Tal Levin

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' איתן גרוס

Field of Study: Life Sciences
Advisor: Prof. Atan Gross

Thesis title:
The BID - MTCH2 pair: A novel
mitochondrial glucose signaling pathway



דמיאן ליברמן
Demian Liebermann

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' גלעד הרן
פרופ' אמנון הורוויץ

Field of Study: Chemical Sciences
Advisors: Prof. Gilad Haran
Prof. Amnon Horovitz

Thesis title:
Studying GroEL dynamics with single
molecule Forster resonance energy
transfer



אלישיב ליבטאג
Elyashev Leibtag

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' אורי בדר

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Uri Bader

Thesis title:
Homomorphic Images of Algebraic
groups



חן ליאור
Chen Lior

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר חת שרץ-שוואל

Field of Study: Life Sciences
Advisor: Dr. Ruth Scherz-Shouval

Thesis title:
Intercellular communication in the tumor
microenvironment

MSc Recipients



גלית כהן
Galit Cohen

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' ליאור קחוניק

Field of Study: Chemical Sciences
Advisor: Prof. Leeor Kronik

Thesis title:
Electronic structure of halide perovskites
from a screened range-separated hybrid
functional



אדם יערי
Adam Yaari

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' שמעון אולמן

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Shimon Ullman

Thesis title:
The counter stream model for image
object to attribute relation classification



גלעד יעקבי
Gilad Jakob

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר תמיר קליין

Field of Study: Life Sciences
Advisor: Dr. Tamir Klein

Thesis title:
Characterization of root exudation
seasonal dynamics and composition in
tree species in the Mediterranean forest



תומר לוי
Tomer Levy

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' בועז נדלר

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Boaz Nadler

Thesis title:
The relative importance of labeled
samples in semi-supervised learning



יובל לוי
Yuval Levy

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יובל אשד

Field of Study: Life Sciences
Advisor: Prof. Yuval Eshed

Thesis title:
The role of "Vegetative" MADS-box
proteins in tomato flowering



רנה כהן רבי
Renee Cohen Rabi

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלדד צחור

Field of Study: Life Sciences
Advisor: Prof. Eldad Tzahor

Thesis title:
The extracellular matrix protein Agrin
promotes angiogenesis and promotes
cardiomyocyte survival following
myocardial infarction

MSc Recipients



ליליה מלמד
Liliya Melamed

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר איגור אוליטקי

Field of Study: Life Sciences
Advisor: Dr. Igor Ulitsky

Thesis title:
The role of linc-CHD2 in regulation of
CHD2: A potential treatment for epilepsy



אורן מלאנקר
Oran Melanker

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' גדעון שרייבר

Field of Study: Life Sciences
Advisor: Prof. Gideon Schreiber

Thesis title:
The evolution of non-specific Protein-
Protein interactions



נעמי מזרחי
Neomi Mizrachi

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אהוד אחיסר
ד"ר עמוס אריאלי

Field of Study: Life Sciences
Advisors: Prof. Ehud Ahissar
Dr. Amos Arieli

Thesis title:
Tactile shape perception: Motor strategies
and practice effects



ברוך מרגוליס
Baruch Margulis

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' אדוארדס נרייביצ'יוס

Field of Study: Chemical Sciences
Advisor: Prof. Edvardas Narevicius

Thesis title:
Towards state to state molecular ion
neutral atom inelastic collisions



מתן מנחם
Matan Menahem

מגמה ראשית: מדעי הכימיה
בהדרכת: ד"ר עומר יפה

Field of Study: Chemical Sciences
Advisor: Dr. Omer Yaffe

Thesis title:
Anharmonicity and electron-phonon
interaction in dielectrically-confined 2D
materials



רון מלצר
Ron Melcer

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' מוטי הייבלום

Field of Study: Physical Sciences
Advisor: Prof. Moty Heiblum

Thesis title:
Thermal transport measurement in the
 $\nu=5/2$ quantum Hall state

MSc Recipients



עומרי לפידות
Omri Lapidot

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר תמיר קליין

Field of Study: Life Sciences
Advisor: Dr. Tamir Klein

Thesis title:
Use of thermal imaging to detect
transpiration rate in Mediterranean tree
species



דוד ליפשיץ
David Lifshitz

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' נעמה ברקאי

Field of Study: Life Sciences
Advisor: Prof. Naama Barkai

Thesis title:
Quantitative analysis of the circuitry
maintaining expression homeostasis



דינה ליסטוב
Dina Listov

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר שראל פליישמן

Field of Study: Life Sciences
Advisor: Dr. Sarel Fleishman

Thesis title:
Towards protein design of heterologously
expressed Rubisco variants exhibiting
different catalytic properties



יהונתן מושקין
Jonathan Mushkin

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר בועז כץ

Field of Study: Physical Sciences
Advisor: Dr. Boaz Katz

Thesis title:
A simple random-walk model explains
the disruption process of hierarchical
3-body systems



ספיר מובקדי
Sapir Mufkadi

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' גד אשר

Field of Study: Life Sciences
Advisor: Prof. Gad Asher

Thesis title:
Setting up a system to measure the effect
of oxygen on the circadian clock of
cyanobacteria in liquid culture



סדי מדינה
Sedi Medina

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' מיכל אייזנברג-שוורץ

Field of Study: Life Sciences
Advisor: Prof. Michal Schwartz

Thesis title:
From the periphery to the brain: Focusing
on immune-related modifiers in the fight
against Alzheimer's Disease

MSc Recipients



תמנע סורוקה
Timna Soroka

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' נעם סובל

Field of Study: Life Sciences
Advisor: Prof. Noam Sobel

Thesis title:
Human olfaction without olfactory bulbs



אלירן סופר
Eliran Soffer

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' ערן אלינב

Field of Study: Life Sciences
Advisor: Prof. Eran Elinav

Thesis title:
Characterization of the human and murine microbiome in homeostasis and prediabetes



אורי סברלו
Ori Sberlo

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' אירית דינור
פרופ' אמיר שפילקה, אוניברסיטת תל אביב

Field of Study: Mathematics and Computer Science
Advisors: Prof. Irit Dinur
Prof. Amir Shpilka, TAU

Thesis title:
Weight distribution of Reed-Muller codes with linear degrees



יותם עמר
Yotam Amar

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' שלו איצקוביץ

Field of Study: Mathematics and Computer Science
Advisor: Prof. Shalev Itzkovitz

Thesis title:
Clinically accurate prediction of glucose levels in type 1 diabetes patients using gradually connected neural networks



דימה עזאזיה
Dima Azaiza

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' רוני ניימן

Field of Study: Chemical Sciences
Advisor: Prof. Ronny Neumann

Thesis title:
Electrocatalytic reduction of CO₂ and CO oxidation catalyzed by first row tri-transition metal substituted Keggin polyoxometalates



שי סלומקה דה אוליורה
Shai Slomka De Oliveira

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יצחק פלפל

Field of Study: Life Sciences
Advisor: Prof. Yitzhak Pilpel

Thesis title:
Exploring the role of recombination in the adaptation of *B. subtilis* through lab evolution experiments

MSc Recipients



שירה נאור
Shira Naor

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' דניאלה גולדפארב

Field of Study: Chemical Sciences
Advisor: Prof. Daniella Goldfarb

Thesis title:
Exploring the Interaction of Calmodulin
with its IQ target peptide by EPR distance
measurements



סתו מרוכס
Stav Marcus

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ניר פרידמן

Field of Study: Physical Sciences
Advisor: Prof. Nir Friedman

Thesis title:
Constructing a Stochastic Model of IL-2
Driven T Cell Expansion



גלעד מרגלית
Gilad Margalit

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' יובל אורג
ד"ר בינגהיי יאן

Field of Study: Physical Sciences
Advisors: Prof. Yuval Oreg
Dr. Binghai Yan

Thesis title:
Simulations of hybrid topological
superconductors



ענבר סבוראי
Inbar Savoray

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' גלעד פרוז

Field of Study: Physical Sciences
Advisor: Prof. Gilad Perez

Thesis title:
Twisted partners and partnerium physics
at the LHC



אביב נתניהו
Aviv Netanyahu

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' שמעון אולמן

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Shimon Ullman

Thesis title:
Cyclical Bottom-Up Top-Down neural
networks for relational reasoning



אלון נודלמן
Alon Nudelman

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' יחיאל שי

Field of Study: Life Sciences
Advisor: Prof. Yechiel Shai

Thesis title:
Evaluating the extent and biological
significance of TLR2 inhibition by the
HIV gp41 transmembrane domain in
primary human peripheral T lymphocytes

MSc Recipients



דוד פרל נוסבאום
David Perl Nussbaum

מגמה ראשית: הוראת המדעים
בהדרכת: פרופ' עידית ירושלמי

Field of Study: Science Teaching
Advisor: Prof. Edit Yerushalmi

Thesis title:
Students' perception of a learning progression: From semi-structured inquiry activities to an open ended research project



ססקיה רבקה פרויד שטיבל
Saskia Rebekah Freud Stiebel

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' זבולון אלעזר

Field of Study: Life Sciences
Advisor: Prof. Zvulun Elazar

Thesis title:
Elucidating the role of TECPR2 in the central nervous system



ראובן פלקוביץ'
Reuven Falkovich

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' רועי חיים בר זיו

Field of Study: Chemical Sciences
Advisor: Prof. Roy Bar-Ziv

Thesis title:
Spatial separation between transcription and translation on a chip



רותם צ'יפרוט
Rotem Chiprot

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' עמי נבון

Field of Study: Chemical Sciences
Advisor: Prof. Ami Navon

Thesis title:
Studying PAN's structure and function relationships



יהודה צור
Yehuda Zur

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' שחל אילני

Field of Study: Physical Sciences
Advisor: Prof. Shahal Ilani

Thesis title:
Towards quantum resistance in ultraclean carbon nanotube devices



אורי צוקר
Ori Zucker

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר רועי אברהם

Field of Study: Life Sciences
Advisor: Dr. Roi Avraham

Thesis title:
Disarming the alarm button: How Salmonella disrupts its host's sphingolipid-mediated early immune response

MSc Recipients



תמיר פורשט
Tamir Forsht

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' ארנסטו יוסלביץ'

Field of Study: Chemical Sciences
Advisor: Prof. Ernesto Joselevich

Thesis title:
New low-dimensional topological materials



ערן פוס
Eran Vos

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' עודד אהרונסון

Field of Study: Chemical Sciences
Advisor: Prof. Oded Aharonson

Thesis title:
Dynamic and isotopic evolution of ice reservoirs on Mars



עמר פולסקי
Omer Polansky

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' בנימין גיגר

Field of Study: Life Sciences
Advisor: Prof. Benjamin Geiger

Thesis title:
The characterization of modulating compounds of the intestinal epithelium



יגל לי פלג
Yagel Lee Peleg

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' איגור לובומירסקי
פרופ' מאיר להב

Field of Study: Chemical Sciences
Advisors: Prof. Igor Lubomirsky
Prof. Meir Lahav

Thesis title:
The role of surface charge and electric field in electrofreezing



טל פינקלמן
Tal Finkelman

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' צבי ליבנה

Field of Study: Chemical Sciences
Advisor: Prof. Zvi Livneh

Thesis title:
Translesion DNA synthesis (TLS) in quiescent cells and their transition to the cell cycle



פריטיש פטיל
Prتيش Patil

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר עופר יזהר
פרופ' מיכאל צודיקס

Field of Study: Life Sciences
Advisors: Dr. Ofer Yizhar
Prof. Michail Tsodyks

Thesis title:
Role of interneuron subtypes in working memory

MSc Recipients



ניהאל ראו
Nihal Rao

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' יובל גפן

Field of Study: Physical Sciences
Advisor: Prof. Yuval Gefen

Thesis title:
Directional asymmetry in geometric
phase induced by weak measurements



פריטי ראג'מנר
Preethi Rajamannar

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' גיל לבקוביץ

Field of Study: Life Sciences
Advisor: Prof. Gil Levkowitz

Thesis title:
Role of pituicytes in the permeability of
neurohypophyseal vasculature



דניאל קפלן
Daniel Kaplan

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' שחל אילני

Field of Study: Physical Sciences
Advisor: Prof. Shahal Ilani

Thesis title:
Improving the characteristics of the
scanning Carbon nanotube single-
electron transistor



רוהית רג'ופטי
Rohit Reghupathy

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' עופר אהרוני

Field of Study: Physical Sciences
Advisor: Prof. Ofer Aharony

Thesis title:
Correlation functions in large-N Chern-
Simons fermionic theories



ענבל רברבי
Inbal Ravreby

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' נעם סובל

Field of Study: Life Sciences
Advisor: Prof. Noam Sobel

Thesis title:
There is chemistry between us: The
chemistry of social chemistry



נחמה ראקוב
Nechama Rakov

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלי ארמה

Field of Study: Life Sciences
Advisor: Prof. Eli Arama

Thesis title:
Establishing an in vivo large-scale
chemical screening platform for
compounds affecting Irradiation-induced
Cell Migration in Drosophila

MSc Recipients



תום קורן
Tom Koren

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר חיים ביידנקוף

Field of Study: Physical Sciences
Advisor: Dr. Haim Beidenkopf

Thesis title:
Scanning Tunneling Microscopy Study of methods for tuning the electrochemical potential in nanowires



דרור קאופמן
Dror Kaufmann

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' שמעון אולמן

Field of Study: Mathematics and Computer Science
Advisor: Prof. Shimon Ullman

Thesis title:
Limitations of feedforward deep neural networks and possible alternatives



אלכסנדר צ'פלב
Alexander Cheplev

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ניר דודזון

Field of Study: Physical Sciences
Advisor: Prof. Nir Davidson

Thesis title:
Non-thermal properties of confined Sisyphus cooled atoms



אסף קסן
Assaf Kacen

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר יפעת מרכל

Field of Study: Life Sciences
Advisor: Dr. Yifat Merbl

Thesis title:
Predicting neo-antigens from proteasome-cleaved peptides



עומר קנלר
Omer Kneller

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' נירית דודוביץ

Field of Study: Physical Sciences
Advisor: Prof. Nirit Dudovitch

Thesis title:
Interferometric attosecond lock-in measurement of extreme ultraviolet circular dichroism



קיריל קניאזב
Kiril Kniazev

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אברהם לוי

Field of Study: Life Sciences
Advisor: Prof. Avraham Levy

Thesis title:
Heterochromatic vs. euchromatic DNA double strand break repair in arabidopsis thaliana

MSc Recipients



עירא שביט
Ira Shavitt

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' ערן סגל

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Eran Segal

Thesis title:
Regularization learning networks: Deep
learning for tabular datasets



גבריאל שביט
Gabriel Javitt

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' דבורה פאס

Field of Study: Life Sciences
Advisor: Prof. Deborah Fass

Thesis title:
The involvement of QSOX1 in
physiological pathways and identification
of biological substrates



בת אל רפאל
Batel Rephael

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' דן אורון

Field of Study: Chemical Sciences
Advisor: Prof. Dan Oron

Thesis title:
Photon correlation enhanced image
scanning confocal microscopy



קרן שושני-חי
Keren Shoshani-Haye

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלון חן

Field of Study: Life Sciences
Advisor: Prof. Alon Chen

Thesis title:
The Role of the Pituitary Adenylate
Cyclase-Activating Polypeptide Type I
Receptor (PAC1) in Stress Coping



זהר שוורצמן-נוביק
Zohar Schwartzman-Nowik

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ערן בוכבינדר

Field of Study: Physical Sciences
Advisor: Prof. Eran Bouchbinder

Thesis title:
Anisotropic structural indicator in glassy
materials



עומר שבתאי
Omer Shabtai

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' רועי חיים בר זיו

Field of Study: Physical Sciences
Advisor: Prof. Roy Bar-Ziv

Thesis title:
2D oscillator networks in artificial cells

MSc Recipients



מריאנה ריוטין
Marianna Riutin

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' יוסף שאול

Field of Study: Chemical Sciences
Advisor: Prof. Yosef Shaul

Thesis title:
Identification of the IDPs sequence motifs conferring targeting to the 20S proteasome- PSMA3 and p21 model



בועז רז
Boaz Raz

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ניר דודזון
פרופ' רועי עוזרי

Field of Study: Physical Sciences
Advisors: Prof. Nir Davidson
Prof. Roei Ozeri

Thesis title:
Quantum degenerate Bose and Fermi gases



חגי רוסמן
Hagai Rossman

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ערן סגל

Field of Study: Physical Sciences
Advisor: Prof. Eran Segal

Thesis title:
Childhood obesity prediction and risk factor analysis from nationwide health records



רחלי רימר
Rachel Rimmer

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלדד צחור

Field of Study: Life Sciences
Advisor: Prof. Eldad Tzahor

Thesis title:
Transient p53 activation and induced senescence in cardiac fibroblasts are associated with heart regeneration



דוד רייטבלט
David Reitblat

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' רוברט קראוטגמר

Field of Study: Mathematics and Computer Science
Advisor: Prof. Robert Krauthgamer

Thesis title:
Sliding-window streaming algorithms for graph problems and L_p-sampling



שחר ריזמן
Shahar Rezenman

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' זיו רייך

Field of Study: Life Sciences
Advisor: Prof. Ziv Reich

Thesis title:
How predictable is evolution?
Investigating evolutionary repeatability in isogenic yeast populations

MSc Recipients



אורן איילון
Oran Ayalon

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ניר גוב

Field of Study: Physical Sciences
Advisor: Prof. Nir Gov

Title of thesis:
Collective decision making in food
transportation by ants in one dimension



נעה אופנהיימר-לב
Noa Oppenheimer-Low

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' דוד מרגוליס

Field of Study: Chemical Sciences
Advisor: Prof. David Margulies

Title of thesis:
Developing a programmable, pattern-
generating fluorescent molecular sensor
for detecting binding interactions of
receptor tyrosine kinases in living cells



אמיר שרון
Amir Sharon

מגמה ראשית: מדעי הפיסיקה
בהדרכת: ד"ר דורון קושניר

Field of Study: Physical Sciences
Advisor: Dr. Doron Kushnir

Thesis title:
Towards an accurate description of
accretion induced collapse and the
associated ejected mass



אמנון גייפמן
Amnon Geifman

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' רוני בצרי

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Ronen Basri

Title of thesis:
The multi-view matrix and its
applications to structure from motion
(SfM)



גלעד בלקין
Gilad Belkin

מגמה ראשית: מדעי הכימיה
בהדרכת: פרופ' אורן טל,
פרופ' ליאור קרוניק

Field of Study: Chemical Sciences
Advisors: Prof. Oren Tal
Prof. Leeor Kronik

Title of thesis:
Experimental and computational study of
conductive molecular junctions based on
silver and cobaltocene



דן אליהו
Dan Eliahu

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אסף אהרונים

Field of Study: Life Sciences
Advisor: Prof. Asaph Aharoni

Title of thesis:
Characterization of root secreted
secondary metabolites and examination
of their effects on the growth habitat

MSc Recipients



יגאל שטרנקלר
Yigal Sternklar

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' עפר פינרמן

Field of Study: Physical Sciences
Advisor: Prof. Ofer Feinerman

Thesis title:
Conflict resolution of cooperative transport by ants in a bounded one dimensional arena



נועה שטרן
Noa Stern

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' רועי חיים בר זיו

Field of Study: Physical Sciences
Advisor: Prof. Roy Bar-Ziv

Thesis title:
Two-state memory in an artificial cell



מהראן שחאדה
Mahran Shehadeh

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' אהוד דוכובני
פרופ' עילם גרוס

Field of Study: Physical Sciences
Advisors: Prof. Ehud Duchovni
Prof. Eilam Gross

Thesis title:
On truth tagging for heavy flavour tag in ATLAS



תגא שקט
Taga Shaket

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' רון מילוא

Field of Study: Life Sciences
Advisor: Prof. Ron Milo

Thesis title:
The environmental impacts of dietary shifts from animal to commonly consumed nutritionally equivalent plant-based items in the U.S.



אלון שפירא
Alon Shapira

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' איתן גרוס

Field of Study: Life Sciences
Advisor: Prof. Atan Gross

Thesis title:
The importance of mitochondrial dynamics in the entrance to senescence



גל שנר
Gal Shner

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אליאור (אורי) פלס

Field of Study: Life Sciences
Advisor: Prof. Elior (Ori) Peles

Thesis title:
Axo-glial interactions mediated by the Cadm cell adhesion molecules at the pathogenesis of CMT neuropathies

MSc Recipients



ירדנה לינדנר-עובדיה
Jordana Lindner-Ovadia

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אלי ארמה

Field of Study: Life Sciences
Advisor: Prof. Eli Arama

Title of thesis:
Irradiation-Induced Cell Migration (ICM):
An intimate connection to nutrient
metabolism and a window to additional
mechanisms



שקד לובלינסקי
Shaked Lublinsky

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אהוד אחיסר

Field of Study: Life Sciences
Advisor: Prof. Ehud Ahissar

Title of thesis:
Closed loop perception hypothesis: Eye
movements and time perception



עדי יעקוביאן
Adi Yakovian

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' דוד הראל

Field of Study: Mathematics and
Computer Science
Advisor: Prof. David Harel

Title of thesis:
Computer simulation of the pharyngeal
motions of *C. elegans*



ליאור פייגון
Lior Faigon

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' זיו רייך

Field of Study: Life Sciences
Advisor: Prof. Ziv Reich

Title of thesis:
A characterization of the resurrection
plant *Craterostigma pumilum*'s response
to dehydration and rehydration
using high-throughput analyses of its
transcriptome, proteome and metabolic
profile



מורן נצר
Moran Netser

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' ברק דיין

Field of Study: Physical Sciences
Advisor: Prof. Barak Dayan

Title of thesis:
Tailoring of optical nano-fibers and fiber
based whispering gallery mode micro-
resonators



אנה מורוזוב
Anna Morozov

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' רוני פז

Field of Study: Life Sciences
Advisor: Prof. Rony Paz

Title of thesis:
Automatic recognition of macaques'
facial action units for affective emotional
states detection

MSc Recipients



גיא ויצמן
Guy Weitzman

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אברהם לוי

Field of Study: Life Sciences
Advisor: Prof. Avraham Levy

Title of thesis:
Impact of manipulating DNA double-strand break repair pathways on gene targeting in tomato



איתמר ויגדורוביץ
Itamar Vigdorovich

מגמה ראשית: מתמטיקה ומדעי המחשב
בהדרכת: פרופ' אורי בדר

Field of Study: Mathematics and
Computer Science
Advisor: Prof. Uri Bader

Title of thesis:
Relative homological quantum codes and
arithmetic manifolds



אנה הררי
Anna Harari

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר רינה רוזנצוויג

Field of Study: Life Sciences
Advisor: Dr. Rina Rosenzweig

Title of thesis:
Elucidating the role of the Hsp104
N-terminal domain



עמית טולצ'ינסקי
Amit Tulchinsky

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' עדי שטרן
פרופ' יובל אורג

Field of Study: Physical Sciences
Advisors: Prof. Ady Stern
Prof. Yuval Oreg

Title of thesis:
A study of topological superconductivity
in low dimensional systems



ענבר זוהר
Inbar Zohar

מגמה ראשית: מדעי החיים
בהדרכת: ד"ר עמית פינקלר

Field of Study: Life Sciences
Advisor: Dr. Amit Finkler

Title of thesis:
Metabolic profile and dynamics of
GABAergic activation in mice measured
using magnetic resonance spectroscopy



אסף ורדי
Assaf Vardy

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' אביחי דנון

Field of Study: Life Sciences
Advisor: Prof. Avihai Danon

Title of thesis:
Response regulation of *C. reinhardtii* and
A. thaliana to step increase in light levels

MSc Recipients



יונתן שפירא
Yonatan Shapira

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' שלו איצקוביץ

Field of Study: Physical Sciences
Advisor: Prof. Shalev Itzkovitz

Title of thesis:
Zonation of microRNA in the mouse liver lobule



נתן שיפמן
Nathan Schiffmann

מגמה ראשית: מדעי החיים
בהדרכת: פרופ' ליאה אדדי
פרופ' סטיב וינר

Field of Study: Life Sciences
Advisors: Prof. Lia Addadi
Prof. Steve Weiner

Title of thesis:
Multi-functional isoxanthopterin
crystal mirrors in the eyes of the shrimp
Litopenaeus vannamei



יונתן פיסצקי
Jonatan Piasezky

מגמה ראשית: מדעי הפיסיקה
בהדרכת: פרופ' רועי עוזרי

Field of Study: Physical Sciences
Advisor: Prof. Roei Ozeri

Title of thesis:
Trapping and cooling of Ytterbium ions
towards optical atomic clock



Non-thesis MSc in Science Teaching Recipients

The Feinberg Graduate School's master's degree program (without thesis) in science teaching was launched in 2008, as a joint initiative between the Weizmann Institute and the Rothschild Caesarea Foundation. The mission of this program is to improve the quality of science and mathematics teaching in Israel, by encouraging excellence among educators and providing them with the skills needed for leadership, both in the classroom and beyond. The master's program is intended for outstanding teachers of math and science who already hold at least a first degree in biology, chemistry, mathematics, or physics.

This is a two-year framework in which participants—with the support and encouragement of the schools in which they teach—are expected to devote two full days each week to their studies, in parallel with their continued work in the classroom. The curriculum includes the enrichment of participants' basic scientific knowledge (discipline-specific and interdisciplinary topics) and familiarity with new developments in scientific research, the acquisition of innovative teaching skills and strategies, and participation in hands-on seminars in Weizmann Institute labs. The course curriculum, created specifically for this program, was designed to match the unique needs of science and math educators. Many of the classes are taught by members of the Weizmann Institute faculty.



Ehud Aviran
Reuven Ben Asouli
Ofir Beniluz
Rachel Boochriss
Nadav Caspi
Ori Givoni
Abed Elmalik Masalha
Adan Jbara
Liora Josefsohn
Amir Keinan
Abed El Halim Hegazi
Mirit Kramer Moshkovich
Elena Kudryavtseva
Rivka Misgav
Sigal Ofir
Kamel Omari
Ittai Sadeh
Nadira Sahaka
Ben Salmon
Lilach Shoel
Ronen Tal
Doha Wattad
Gershon Winetraub

Non-thesis MSc in Science Teaching Recipients



רחל בוכריס
Rachel Boochriss

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



סיגל אופיר
Sigal Ofir

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



אהוד אבירן
Ehud Aviran

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



עדן גבארה
Adan Jbara

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



ראובן בן אסולי
Reuven Ben Asouli

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



אופיר בן אילוז
Ofir Beniluz

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



דוחא ותד
Doha Wattad

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



גרשון וינטראוב
Gershon Winetraub

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



אורי גבעוני
Ori Givoni

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis

Non-thesis MSc in Science Teaching Recipients



ליאורה יוספזון
Liora Josefsohn

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



רון טל
Ronen Tal

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



עבד אלחלים חגאזי
Abed El Halim Hegazi

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



רבקה משגב
Rivka Misgab

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



עבדל מאלק מסלחה
Abed Elmalik Masalha

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



נדב כספי
Nadav Caspi

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



כאמל עומרי
Kamel Omari

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



בן סלמון
Ben Salmon

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



נאדירה סחאקה
Nadira Sahaka

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis

Non-thesis MSc in Science Teaching Recipients



מירית קרמר מושקוביץ
Mirit Kramer Moshkovich

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



אמיר קינן
Amir Keinan

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



ילנה קודריאבצב
Elena Kudryavtseva

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



לילך שואל
Lilach Shoel

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



איתי שדה
Ittai Sadeh

תחום: הוראת המדעים ללא תזה
Field of Study: Science Teaching
without thesis



With gratitude to the supporters of the Feinberg Graduate School at the Weizmann Institute of Science

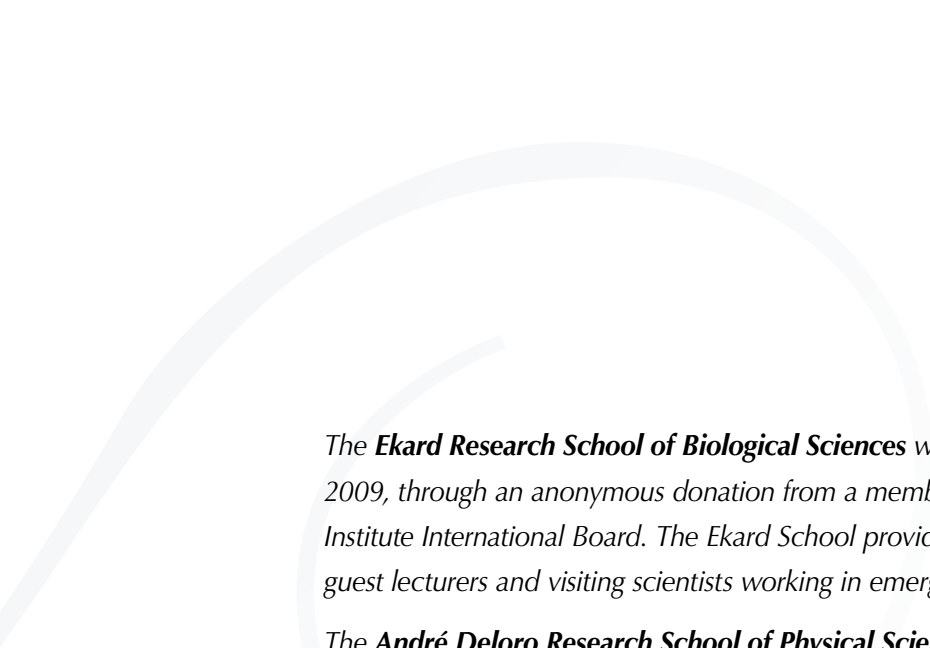
The Weizmann Institute of Science and the students and staff of the Feinberg Graduate School are grateful to the many friends throughout the world who have generously funded the graduate studies program.

The Weizmann Institute created five Research Schools affiliated with its five Faculties to expand and enhance its graduate education. These strategic investments provide students with greater opportunities for personal development and independent research, expanded contact with the international science community, and even greater exposure to world leaders in their fields of study.

*The **Lorry I. Lokey Research School of Biochemical Science** was established by California entrepreneur and philanthropist Lorry Lokey in 2007. It provides students in biochemistry, at all levels, with the tools and opportunities needed to excel.*

*Two brothers, Maurizio from Geneva and Solo from Milan, and their families founded the **Solo Dwek and Maurizio Dwek Research School of Chemical Science** in 2008 to provide students in chemical sciences necessities such as laptops, software, journal subscriptions, and conference travel expenses.*

*Former Chair of the International Board of the Weizmann Institute, financier Mandy Moross of London established the **Moross Research School for Mathematics and Computer Science** in 2009. The Moross Research School sponsors special guest lectures, student-led workshops, and other enrichment activities for students of mathematics and computer sciences.*



*The **Ekard Research School of Biological Sciences** was also established in 2009, through an anonymous donation from a member of the Weizmann Institute International Board. The Ekard School provides funding to attract guest lecturers and visiting scientists working in emerging areas of biology.*

*The **André Deloro Research School of Physical Science** was established in 2013 by the Adelis Foundation, founded by French entrepreneur and philanthropist André Deloro. The Deloro Research School works in tandem with the André Deloro Institute for Space and Optics Research at the Weizmann Institute to explore the nature of the universe from the smallest particles to the most distant galaxies.*

The David Lopatie Fellows

Up to four David Lopatie Fellows are selected each year by the Dean of the Feinberg Graduate School from among the new MSc students in the regular track. They are selected based on exceptional academic performance in their undergraduate studies. The prestigious award includes a personal travel allowance for scientific meetings, workshops, and more.

Scholarships are precious gifts—in essence, gifts of knowledge. They enable our students to concentrate on their studies, freeing them to devote their full energies to coursework and laboratory research. This steadfast encouragement has borne fruit among the many scientists throughout the world who began their careers at the Weizmann Institute. Today's graduates are tomorrow's scientific leaders.

Scholarship Awards

PhD Scholarships in Perpetuity

The Kurt and Hildegard Adler Scholarships

Established in 2014 through the Kurt S. Adler Trust Estate, Los Angeles, California

The Lila and Israel Jacob Alter Scholarship

Established in 2008 through a bequest of Israel Jacob Alter, Israel

The Cindy Rose Anderson Scholarship Endowment Fund

Established in 2007 by Cindy Rose Anderson, Palm Beach, Florida

The Dr. Lester Aronberg Scholarship in Perpetuity

Established in 1981 by the Dr. Lester Aronberg Foundation, Chicago, Illinois

The Jacob and Sonia Hager Axelrad Endowed Doctoral Scholarship Fund for Cancer Research

Established in 1999 through a bequest of Sonia Hager Axelrad, New York

The Hanan Bar-On Memorial Fund

Established in 2004 by the Weizmann Institute of Science, in honor and in memory of Hanan Bar-On, former Vice President of the Weizmann Institute of Science, Rehovot, Israel

The Shlomo Beilitz Scholarship

Established in 1979 through a bequest of Shlomo Beilitz, Ra'anana, Israel

The Louis Bein Scholarships for Russian Students

Established in 1991 by the Louis Bein Trust, Chicago, Illinois

The Hazel Olzman Bellin Memorial Endowed PhD Scholarship in Cancer Research

Established in 2009 through a bequest of Hazel Olzman Bellin, New York

The Ursula Johanna and Fritz Werner Blumenthal Scholarships

Established in 2007 through a bequest of Ursula Johanna and Fritz Werner Blumenthal, Australia

The Irena-Ida Bogdanowicz Scholarship

Established in 1994 through a bequest of Irena-Ida Bogdanowicz, Tel Aviv, Israel

The Dr. Walter and Dr. Trude Borchardt Fund for Graduate Students and the Feinberg Graduate School

Established in 2001 through a bequest of Dr. Trude Borchardt, New York

The Jeannette and Max Bouckalter Scholarships

Established in 2009 by Jeannette and Max Bouckalter, Paris, France

The Dr. Sydney Brenner Scholarship

Established in 2015 by friends and admirers of Dr. Brenner

The Helen G. and Richard B. Bryant Scholarship Fund in Biomedical Research

Established in 2002 by Helen G. Bryant, Chicago, Illinois

The Caspe Family Scholarship

Established in 2000 by Mr. and Mrs. Lewis Caspe and the Caspe Family Foundation, Des Moines, Iowa

The Professor Arthur Charlesby Fund for Doctoral Student Scholarships and Travel Stipends

Established in 2001 by Irene Charlesby, Swindon, United Kingdom, in memory of her husband

The Dr. Rebecca Chutick and Dr. Lillian Chutick Doctoral Scholarship Fund for Immigrant Students from the Commonwealth of Independent States (CIS)

Established in 1994 through a bequest of Dr. Rebecca Chutick, New York

The Judith and Norman D. Cohen Doctoral Scholarship

Established in 2005 by Judith and Norman Cohen, New York

The Jean and Sandy Colen Doctoral Scholarship in Cancer Research

Established in 2017 by Jean and Sandy Colen, Orinda, California

The Leo A. and Sarah G. Copin Scholarship Fund

Established in 1994 through a bequest of Sarah G. Copin, Palm Beach, Florida

The Nathan and Leah DeWoskin Memorial Scholarship Fund

Established in 2004 by William DeWoskin and Doris D. Roskin, Chicago, Illinois

The Florence Edelman Scholarship in Perpetuity

Established in 1987 through a bequest of Florence Edelman, New York

The Dr. Eugene I. and Charlotte Falstein Graduate Scholarship

Established in 1997 by Charlotte R. Falstein, Chicago, Illinois

The Harold Feinstein and Bess Rae C. Feinstein Scholarship Fund for Students from the Commonwealth of Independent States (CIS)

Established in 1990 through a bequest of Bess Rae C. Feinstein, Chicago, Illinois

The Saerree and Lois Fiedler Scholarship for Cancer Research, in memory of Lillian Hellman Kugler

Established in 1983 through the Saerree K. and Louis P. Fiedler Family Fund, Deerfield, Illinois

The Stephen W. Fleck Scholarship Fund

Established in 1995 through a bequest of Herta Fleck, New York

The Adolph Fogel and William Fogel Scholarship Fund

Established in 2001 through a bequest of William Fogel, New York

The Joseph F. and Clara Ford Foundation Scholarship in Perpetuity

Established in 1989 by the Joseph F. and Clara Ford Foundation, Boston, Massachusetts

The Jeremy and Judith Freedman PhD Scholarship in Diabetes Research

Established in 2015 by Jeremy and Judith Freedman, and friends of Weizmann Canada

The Yeheshkel and Fruma Freedman Education Fund

Established in 2001 through a bequest of Isaac Freedman, Boston, Massachusetts

The Shulamith Friedland Memorial Master's Scholarship in Cancer Research

Established in 2016 by Sheldon Friedland, New Bedford, Massachusetts

Scholarship Awards

PhD Scholarships in Perpetuity

The Violet, Samuel, and Anna Friedman Doctoral Scholarship Fund

Established in 2009 through a bequest of Violet Friedman, Palm Springs, California

The Regina and Leo Frisch Scholarships

Established in 2010 through a bequest of Rachel Lubell, New York

The Chaya Austern Fuchs Scholarships

Established in 2010 through a bequest of Rachel Lubell, New York

The Rita Gehl Scholarship in Cancer Research

Established in 1999 by Rita Gehl, London, United Kingdom

The Ellen and Mordechai (Heinz) Gilead (Gutfeld) Memorial Scholarship

Established in 2014 by Yohanan and Beile Gilead, Israel

The Yasha Gluzman Scholarship

Established in 1998 by Ilan Gluzman, Nutley, New Jersey

The Goldberg-Guild Scholarships

Established in 1984 by Bernard Goldberg, Hallandale, Florida, and by Irwin C. Guild, Palm Beach, Florida

The Morris and Rose Goldman Scholarship

Established in 1987 by Rose Goldman, Chicago, Illinois

The Linda, Tal, and Akiva Gross Endowment Fund, in Memory of Heinrich Gross

Established in 2007 by Akiva Gross, Glencoe, Illinois

The Leanora, Judith, and Samson Gruber Memorial Scholarships

Established in 1998 by Mr. and Mrs. Irving M. Gruber, New York, and named in memory of Mrs. Gruber and the Gruber children

The Herbert Leiser Harband Memorial Scholarship

Established in 1976 through bequests of Dorothea and Julius Harband, San Francisco, California, in memory of their beloved son

The Otto and Mary Hersch Scholarships in Perpetuity

Established in 1987 through a bequest of Mary Hersch, New York

The Lotte and Ludwig Heusinger Memorial Scholarship

Established in 1993 through a bequest of Dr. Ludwig Heusinger, Kfar Shmaryahu, Israel

The William T. Hogan and Winifred T. Hogan Scholarship

Established in 1997 by the International Brotherhood of Teamsters Local 714, Chicago, Illinois

The Abraham and Elena Kahn Scholarship Fund

Established in 2004 by Abraham and Elena Kahn, Mexico

The Morris Kahn Scholarships in Systems Biology

Established in 2011 by the Weizmann Institute of Science in honor of Morris Kahn, Israel

The John F. Kennedy Memorial Scholarship Fund

Established in 1965 by the John F. Kennedy Memorial Foundation, Rehovot, Israel

The Malcolm Kingsberg Memorial Scholarship

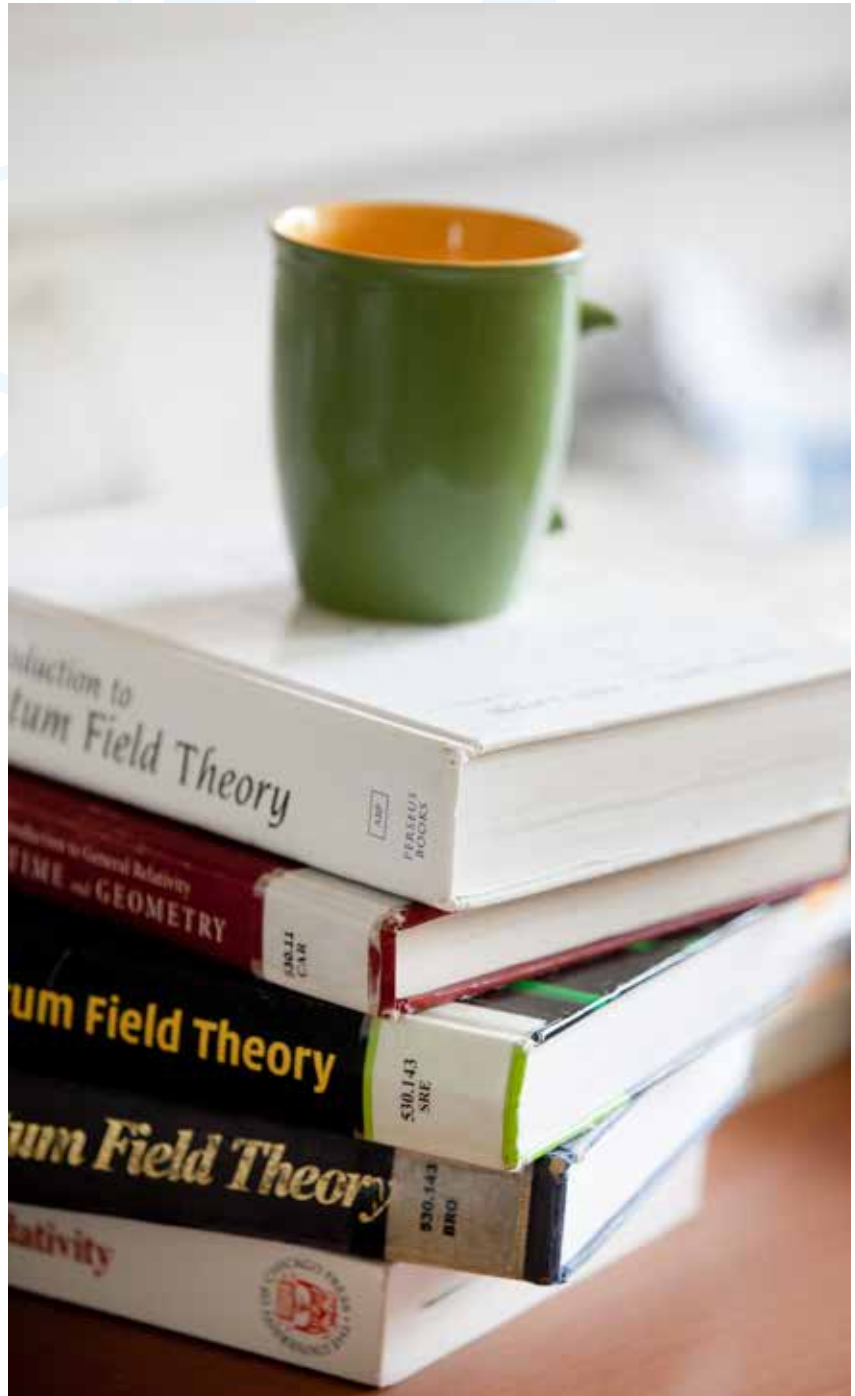
Established in 1972 through a bequest of Malcolm Kingsberg, New York

The Marcia S. and Michael H. Klein Scholarship for Autoimmune Diseases

Established in 2012 by Marcia and Michael Klein, Bloomfield Hills, Michigan

The Jeaninne Klueger Scholarship

Established in 1991 by Seraphina Klueger, Dusseldorf, Germany, in memory of her daughter



Scholarship Awards

PhD Scholarships in Perpetuity

The Alex and Lilly Koron Scholarship

Established in 2008 through bequests of Alex and Lilly Koron, Chicago, Illinois

The Alexander E. Langsam Memorial Doctoral Scholarship

Established in 2001 by Florence Langsam, Rockville, Maryland

The Liselotte and Richard Laster Endowed Doctoral Scholarship in Brain Research

Established in 2001 by Mr. and Mrs. Richard Laster, Chappaqua, New York

The Harold J. Lawn, M.D. Scholarship Fund

Established in 1985 by Dr. Harold J. Lawn, St. Paul, Minnesota

The Lewis Family Scholarship

Established in 2013 by the Lewis Family Trust, Hackensack, New Jersey

The Sally and Jerome Lipper Scholarship Fund for Young Immigrants

Established in 1993 by the Kenneth and Evelyn Lipper Foundation, New York

The Bert and Etta Liss Scholarship

Established in 2011 through a bequest of Bert and Etta Liss

The Samuel and Eleanor London Scholarship

Established in 1986 through a bequest of Eleanor J. London, Los Angeles, California

The Dr. Saul and Rose Mackoff Doctoral Scholarship

Established in 2002 through a bequest of Dr. Saul Mackoff, Chicago, Illinois

The Sheldon J. Mandell Scholarship Fund in Cancer Research

Established in 2013 by Sheldon J. Mandell, Chicago, Illinois

The Rixi Markus Scholarships, in Memory of Eugenia, Ignacy, and Herbert Alfred Heller

Established in 1995 through a bequest of Rixi Markus, MBE, London, United Kingdom

The Rodolfo May Scholarships

Established in 1997 through a bequest of Rodolfo May, Montevideo, Uruguay

Ralph Medjuck Ph.D. Scholarship

Established in 2016 by Ralph and Shirley Medjuck Charitable Foundation, Halifax, Canada

The Nora Menascé Scholarship in Cancer Research

Established in 2002 through a bequest of Nora Menascé, Milan, Italy

The Cecile Mory Scholarship Fund

Established in 2014 by Cecile Mory, Hollywood, Florida

The Paul and Felicia Muskat Scholarship Fund

Established in 1984 through a bequest of Paul Muskat, Toronto, Canada

The Gertrude and Valentin Nathan Scholarship Fund

Established in 1997 through a bequest of Gertrude Nathan, New York

The Oskar Oliven (Dr. of Engineering) Memorial Scholarship

Established in 2003 through bequests of Gerald and Hedy Oliven, Los Angeles, California

The Dora Ostre Memorial Scholarships

Established in 1987 through a bequest of Dr. Sprinzi Weizenblatt, Asheville, North Carolina

The Dr. Bruce A. Pearlman PhD Scholarship in Synthetic Organic Chemistry

Established in 2011 through a bequest of Dr. Bruce A. Pearlman, Michigan

The Linda and Richard Price Scholarship for Brain Research

Established in 2016

The Richard and Christine Purchas Scholarship

Established in 2008 by the Richard and Christine Purchas Charitable Trust, London, United Kingdom

The Rose Lee and Marvin Pomerantz Scholarship

Established in 1998 by Rose Lee and Marvin Pomerantz and friends, Des Moines, Iowa

The Theodore R. and Edlyn Racoosin Scholarship Fund

Established in 1993 through bequests of Theodore and Edlyn Racoosin, New York

The Denis Raeburn Scholarship

Established in 2014 by Denis Raeburn, United Kingdom

The Hirsch and Braine Raskin Foundation Scholarships

Established in 1970 by the Hirsch and Braine Raskin Foundation, New York

The Harry, Lillian, and Sylvan Ray Memorial Scholarship in Cancer Research

Established in 1997 by Dr. M. L. Ray, Dallas, Texas

The Reiter Family Scholarship

Established in 1984 by the Reiter Family Foundation, Chicago, Illinois

The Charles G. and Belle Reskin Doctoral Graduate Scholarship in Perpetuity

Established in 1997 through a bequest of Charles G. Reskin, Chicago, Illinois

The David Rich Doctoral Scholarship in Chemistry

Established in 1999 by Edra Rich, Phoenix, Arizona

The Burton and Sylvia Richards Doctoral Scholarship

Established in 1999 by Burton Richards, Bala Cynwyd, Pennsylvania

The Albert A. Robin Family Scholarship

Established in 2008 through a bequest of Albert A. Robin, Chicago, Illinois

The Gabriella and Paul Rosenbaum Scholarship in Biology

Established in 1999 by the Gabriella and Paul Rosenbaum Foundation, Chicago, Illinois

Scholarships in Memory of Harry Mlinov Rosenberg and Sarah Rudman Rosenberg

Established in 2008 through a bequest of Abraham Rosenberg, Rumson, New Jersey

The Joni Perlman Rosenberg Scholarship Fund for the Support of Cancer Research

Established in 2007 by the Harold L. Perlman Family Foundation, Chicago, Illinois

Scholarship Awards

PhD Scholarships in Perpetuity

The Dr. Arnold Rosenblum Memorial Endowment Fund

Established in 1996 by Dorothy Rosenblum, Brooklyn, New York, in memory of her son

The Rose Frisch Sax Scholarships

Established in 2010 through a bequest of Rachel Lubell, New York

The Leon and Lily Schidlow Scholarship Fund

Established in 1999 by Sr. and Sra. Leon Schidlow, Bosques de las Lomas, Mexico

The Alice and Lewis Schimberg Scholarship Fund

Established in 1993 by Alice Schimberg, Chicago, Illinois

The Rudolf Schoenheimer Memorial Scholarships

Established in 1968 by Fritz Schoenheimer, New York

The Eugene and Lenore Schupak Endowed Doctoral Scholarship in Genetics

Established in 1997 by the Schupak Family Foundation, Scottsdale, Arizona

The David and Pauline Segal Scholarship

Established in 1999 by George and Joan Segal, Chicago, Illinois

The Bernard and Bernice Dorothy Segall Scholarship Fund

Established in 2006 through a bequest of Bernice Dorothy Segall, New York

The Simon and Frieda Senderowicz-Perel Graduate Student Research Fund

Established in 1999 through a bequest of Lea Senderowicz, Zurich, Switzerland

The Hon. Sir David Sieff Doctoral Scholarship in Brain Research

Established in 2000 by family and friends, Weizmann UK

The Lily Sieff Doctoral Scholarship

Established in 1998 by Helen and Martin Kimmel, New York

The Rachel and Arnold Smith Endowed Scholarship

Established in 1996 by Rachel and Arnold Smith, Phoenix and Paradise Valley, Arizona

The Paula and Ernest Sommers Scholarship

Established in 2001 by Ernest Sommers, Chicago, Illinois

The Sylvia and Leonard Sorkin Scholarship

Established in 1997 through a bequest of Leonard Sorkin, Chicago, Illinois

The Eliezer and Genia (Chaine) Sotskover Scholarship

Established in 1992 through bequests of Eliezer and Genia (Chaine) Sotskover, Ramat Gan, Israel

The Blanche and Max Steig Memorial Scholarship Fund

Established in 1993 through a bequest of Blanche Steig, New York

The Gabriel Armand Stein Scholarship Fund

Established in 1991 by Paul Stein, Jackson Heights, New York, in memory of his son

The Jack, Gertrude, and Leesa Steinberg Doctoral Scholarship for Neurological Diseases

Established in 2009 by Leesa Steinberg, Hampstead, Canada

The Sergey and Maria Steuerman Endowed Scholarship Fund

Established in 1991 through a bequest of Maria Steuerman, New Rochelle, New York

The Armin and Etel (Angyal) Szolovits Doctoral Scholarship

Established in 2001 through bequests of Armin and Etel Szolovits, Hollywood, California

The Samara Jan Turkel Scholarship Fund for Autoimmune Diseases

Established in 1996 by Mr. and Mrs. Arthur Bach, New York, in memory of their granddaughter

The Guido Franklin van D. Memorial Scholarship

Established in 2000 by an anonymous donor

The Phyllis and Arthur Wachtel Scholarship Fund

Established in 2017 by Phyllis and Arthur Wachtel, Boca Raton, Florida

The Raoul Wallenberg Scholarship

Established in 1980 by the Swedish Committee and the Canadian Society for the Weizmann Institute of Science

The Paul and Greta Weinberger Scholarship

Established in 1995 through a bequest of Paul Weinberger, New York

The Ruth Ann and Sam Wolfson Scholarship

Established in 1996 by Ruth Ann and Sam Wolfson, Dallas, Texas

The Ruth Ann and Sam Wolfson Endowment for the Cure of Alzheimer's Disease

Established in 2001 by Sam Wolfson, Dallas, Texas

The Rubin and Gladys Wollowick Scholarship Fund for Autoimmune Disease Research

Established in 1999 by the Rubin and Gladys Wollowick Foundation, Miami, Florida

The Dr. Arthur Yarman and Gertrude Yarman Scholarship Fund

Established in 2003 through a bequest of Gertrude Yarman, Miami, Florida

The Ronald Zemell Memorial Doctoral Scholarship

Established in 2001 by Dr. and Mrs. David S. Papermaster, Bloomfield, Connecticut, in memory of Ronald Zemell

Scholarship Awards

Annual and Semester PhD Scholarships

The Nurit Barda Memorial Scholarship

Established in 2018 by Milvia Perinot, Switzerland

The Prof. Nira Ben-Jonathan PhD Scholarship in Cancer Research

Established in 2017 by Prof. Nira Ben-Jonathan, Cincinnati, Ohio

Lionel Black Scholarships

Established in 2018 by The Benson Black Memorial Charitable Trust, Manchester, UK

The Manfred Broder Memorial Scholarship

Established in 2014 in Manfred Broder's honor by the Weizmann Institute of Science

The Ronald M. Kantor Scholarship in Theoretical Physics

Established in 2011 by Evelyn Kantor, Bronx, New York

The James F. Kay Memorial Scholarship

Established in 2018 by Elaine Kay, Palm Beach, Florida and Toronto, Canada

The Joseph Meyerhoff Scholarship

Established in 1983 through the Joseph Meyerhoff Fund and the Rebecca Meyerhoff Fund, Baltimore, Maryland

The Rabin Family Scholarship Fund

Established in 2016 by Irving and Varda Rabin, Tiburon, California

The Alessandro Simeoni Memorial Scholarship

Established in 2017 by Milvia Perinot, Switzerland

The Skolnick Family Charitable Trust Doctoral Scholarships

Established in 2006 by Mr. Allen Skolnick, Lynbrook, New York

Spira Annual PhD Scholarship

Established in 2019 by Jeannie Tanenbaum and Gary Spira, Toronto, Canada



Ewald presentation
 $k \cdot \frac{1}{2}K = \left(\frac{1}{2}k\right)^2$



2. Introduction

Free e Fermi gas \rightarrow metal properties
 Free e Fermi gas + periodic potential \rightarrow Semiconductors (band structure)

Drude Model (1900)



Z - atomic number
 $Z-1$ - # of valence e

Scholarship Awards

MSc Scholarships in Perpetuity

The I. W. Abel Scholarship

Established in 2002 by the United Steelworkers of America, Pittsburgh, Pennsylvania

The Henrietta and Jack Abrams Scholarship

Established in 1988 by Henrietta Abrams, Lauderhill, Florida

The Harry P. and Henrietta Albert Scholarship

Established in 1970 by the Alfred T. Stanley Foundation, New York

The Egle Forti Ancona Scholarship in Perpetuity (The Dana Fund)

Established in 1993 through a bequest of Mrs. Egle Forti, Rome, Italy

The Harvey and Sandy Angell Master's Scholarship in Research for the Benefit of Children

Established in 2001 by Harvey and Sandy Angell, Chicago, Illinois

The Arizona Women and Science Scholarship

Established in 1996 by Arizona Friends of the Weizmann Institute of Science

The Eda and Leo Asseo Scholarship

Established in 1988 by Eda Asseo, Tel Aviv, Israel

The Israel W. and Fannie Backe Scholarship Fund

Established in 1987 through a bequest of Fannie Backe, Worcester, Massachusetts

The Lillian Baker Scholarship

Established in 1991 through a bequest of Lillian Baker, Hallandale, Florida

The Florence and Theodore Baumritter Scholarship Fund for Russian Students

Established in 1991 by Mr. and Mrs. Theodore Baumritter, Boca Raton, Florida

The J. Myron and Zachary Michael Bay Scholarship

Established in 1979 by Jerry Adler and friends, and the Mogen David Wine Corporation, Chicago, Illinois

The Mollie Freeman Becker Scholarship

Established in 1971 by Mrs. Samuel Becker, Newton, Massachusetts

The Shlomo and Rivka Benador Bursary in Perpetuity

Established in 1984 by Shlomo and Rivka Benador, Geneva, Switzerland

The Bendit Foundation Scholarship

Established in 2000 by Dr. and Mrs. Emile Bendit and the Bendit Foundation, Inc., Baltimore, Maryland

**The Isabelle and David
Bensadoun Master's Scholarship
in Environmental/Alternative
Energy Research**

Established in 2013, Montreal, Canada

**The Carolyn and Marvin Birger
Scholarship**

Established in 2000 by Marvin Birger,
Palm Beach, Florida

**The Dr. Henri H. Birnbaum
Scholarship**

Established in 1979 through a bequest
of Dr. Henri H. Birnbaum, New York

**The Abraham H. Blank
Scholarship**

Established in 1979 by Myron Blank,
Des Moines, Iowa

**The Benjamin M. Bloch
Memorial Scholarship**

Established in 1964 by the Faculty of
the Weizmann Institute of Science,
Rehovot, Israel

**The Alex and Yudas (Yetta)
Bloom Scholarship**

Established in 1971 by Philip Bloom,
New York

The Alan I. Bluestein Scholarship

Established in 1990 by Milton J.
Bluestein, Palm Beach, Florida

**The Alejandro y Dinorah
Margounato Blum Scholarship**

Established in 1986 by the Leon and
Elena Blum Foundation, Montevideo,
Uruguay

**The Edith C. Blum Scholarship
Fund**

Established in 2007 by the Edith C.
Blum Foundation, New York

**The Louis C. and Edith B.
Blumberg Scholarship Fund**

Established in 1989 by the Louis
Blumberg Foundation, Southfield,
Michigan

**The Bonder Family Scholarship
Fund**

Established in 1994 through the Leon
Bonder Trust, Chicago, Illinois

**The Dr. Louis D. Boshes and
Natalie A. Boshes Endowed
Master's Scholarship**

Established in 2005 through a bequest
of Dr. Louis D. and Natalie A. Boshes,
Chicago, Illinois

**Anne-Marie Boucher and Mitch
Garber Scholarship Fund**

Established in 2018 by Anne-Marie
Boucher and Mitch Garber, Montreal,
Canada

**The Harold and Harriet Brady
Master's Scholarship**

Established through a bequest of Harriet
Brady, Chicago, Illinois

**The Joan and William J. Brodsky
Scholarship in Photodynamic
Cancer Therapy in Perpetuity**

Established in 1995 by the Chicago
Committee for the Weizmann Institute
of Science, Chicago, Illinois

**The Adele S. and Abraham
Browner Scholarship in
Biomedical Research**

Established in 1999 through a bequest
of Adele Browner, Chicago, Illinois

**The Roel C. Buck Master's
Scholarship in Nanotechnology
Research**

Established in 2010 by the Roel C. Buck
Family Foundation, Canada

**The Melva and Martin
Bucksbaum Scholarship in
Biomedical/Cardiovascular
Research**

Established in 1996 in honor of Melva
Bucksbaum and in memory of her
husband, Martin, by family and friends,
Des Moines, Iowa

**The John and Dana Burgess
Scholarship in Biomedical
Research**

Established in 2000 by International
Profit Associates, Buffalo Grove, Illinois

**The Dr. Meyer Chapman
Memorial Bursary**

Established in 1971 through a bequest
of Dr. Meyer Chapman, Chicago,
Illinois

Scholarship Awards

MSc Scholarships in Perpetuity

The Dr. Ida Golomb and Dr. Mordecai Chertoff Endowed Scholarship Fund in Alzheimer's and Brain Research

Established in 2015 through bequests of Dr. Ida M. Golomb and Dr. Mordecai S. Chertoff, New York

Aharon and Tova (Buena) Cohen Memorial Scholarship

Established in 2018 by their children

The Isidore and Theresa Cohen Scholarship

Established in 1973 by the Isidore, Theresa, and Ronald Cohen Charitable Trust, Cape Town, South Africa

The Cowen Semester Scholarship in Molecular Biology, in Memory of Belle and Leonard Cowen, and Sylvia and Irving Schwartz

Established in 1996 by Mr. and Mrs. Stephen A. Cowen, Tenafly, New Jersey, in memory of their parents

Scholarship in Biomedical Research in Memory of Richard J. Daley II

Established in 2002 by friends of William M. Daley, Chicago, Illinois

The Joseph and Sadie Danciger Scholarship

Established in 1987 by the Sadie Danciger Trust and the Joseph and Sadie Danciger Fund, Kansas City, Missouri

The Helen and Harry Hans Davis Memorial Scholarship

Established in 2002 through a bequest of Helen J. Davis, Wyncote, Pennsylvania

The Amos and Hortense Deinard Memorial Scholarship

Established in 1989 through a bequest of Hortense H. Deinard, Minneapolis, Minnesota

The Dekker Foundation Master's Scholarship

Established in 2011 by the Dekker Foundation, Weston, Connecticut

The Kitty Waas Dekker, Simon Waas, and Rosette Dekker Scholarship

Established in 1998 through a bequest of Rosette Dekker, United Kingdom

The Samuel Denmark Family Scholarship

Established in 2000 by the Samuel Denmark Family Philanthropic Fund, Scottsdale, Arizona

The Alan Dixon Scholarship in Cancer Research

Established in 1977 by the Hon. Alan J. Dixon, St. Louis, Missouri

The Jack and Simon Djanogly Scholarship in Perpetuity

Established in 1985 by Sir Harry Djanogly, London, United Kingdom

The Pearl and Morris Dry Scholarship

Established in 1966 by Sidney Dry, Chicago, Illinois

The Dr. Yehuda and Leah Dubowski Scholarship

Established in 1988 by Leah Dubowski, Kiryat Ono, Israel

The Batsheva and Joseph Eden Scholarship

Established in 2007 by Batsheva and Joseph Eden, Great Neck, New York

The Dr. Joshua and Helene Ehrlich Memorial Scholarship

Established in 1987 through a bequest of Helene Ehrlich, Miami, Florida

The Bella and Hyman Eisenbaum Scholarship

Established in 1994 through the Bella Eisenbaum Trust, Miami Beach, Florida

The Samuel and Bess Ekstein Master's Scholarship

Established in 2011 by Samuel Ekstein, Chicago, Illinois

The Alex Elovic Memorial Scholarship

Established in 1996 through a bequest of Bernat Elovic, Miami Beach, Florida

The Louis E. Emerman Scholarship in Biomedical Research

Established in 1999 by the Saul and Devorah Sherman Fund, Chicago, Illinois

The Charles I. and Fanny Engelstein Endowment Fund

Established in 1995 through a bequest of Fanny Engelstein, New York

The Bina and Icchak-Meir Erlich Fund

Established in 1987 through a bequest of their daughter Hanna Erlich, Bendzin, Poland

The Belle and Philip Feinberg Scholarship

Established in 1983 by Abraham Feinberg, New York

The Dr. Judith Schneider and Dr. E. Richard Feinberg Scholarship

Established in 1981 by Belle S. Meller, New York

The Lillian Feinberg Scholarship

Established in 1983 by Abraham Feinberg, New York

The Shirley and Judge Wilfred Feinberg Scholarship

Established in 1983 by Abraham Feinberg, New York

The Meyer Feldman Memorial Scholarship

Established in 1973 through a bequest of Meyer Feldman, Tucson, Arizona

The Joel Fellner and Gisella Schreiber Fellner and Ernest Ludwig Mannheimer and Arabella Weiss Mannheimer Scholarship Fund

Established in 1983 by the Leopold and Clara M. Fellner Charitable Foundation, Los Angeles, California

The Pauline and Maximilian Firestone Bursary

Established in 1978 by Maximilian Firestone, New York

The Aaron and Zlata Fish Memorial Bursary

Established in 1980 by Mr. and Mrs. Abe Fish, Toronto, Canada

The Joseph E. and Rose Fisher Scholarship

Established in 1978 by Mr. and Mrs. Joseph E. Fisher, Canton, Ohio

The Rita Friedell and Donald Fiterman Scholarship

Established in 1969 by Mr. and Mrs. Morlan Fiterman, Highland Park, Illinois

The Sonia Floomberg Memorial Scholarship

Established in 1998 through a bequest of Sonia Floomberg, Montreal, Canada

Scholarship Awards

MSc Scholarships in Perpetuity

The Alexander and Lilly Foldes Memorial Scholarship

Established in 1981 through a bequest of Lilly Foldes, New York

The Malcolm Fraser Scholarship in Medical Biology

Established in 1981 in honor of Malcolm Fraser by the Australian Association for the Weizmann Institute of Science

The Joyce and Joseph J. Freed Family Scholarship

Established in 1995 by Mr. and Mrs. Joseph Freed, Wheeling, Illinois

The Helen and Charles Friedman Scholarship Fund

Established in 1986 by Helen and Charles Friedman, Paradise Valley, Arizona

The William F. Fuerst Scholarship Fund

Established in 1989 through a bequest of Madeleine Fuerst, New York

The Margot and Alfred Furth - Regina Fleischer Scholarship in Chemistry

Established in 1992 through a bequest of Regina Fleischer, and by Alfred Furth, New York, in memory of his wife, Margot

The Naomi and Morris Futorian Scholarship

Established in 1994 by Naomi Futorian, Northbrook, Illinois

The Prof. Eugene Gadol Scholarship

Established in 2004 through a bequest of Prof. Eugene Gadol, Vienna, Austria

The Leo and Frances Gallin Scholarship

Established in 1994 by Leo and Frances Gallin, Los Angeles, California

The Florence Gambino Scholarship

Established in 2000 through a bequest of Florence Gambino, Chicago, Illinois

The Rachel and Herzl Getzler Scholarship

Established in 2008 by Gad and Talia Zeevi, Haifa, Israel

The Bessie and Barnet Ginsburg Memorial Scholarship

Established in 1971 by the Bessie and Barnet Ginsburg Memorial Foundation, Westhampton Beach, New York

The Israel, Sara, and L. Chester Glaser Scholarship

Established in 1975 through a bequest of L. Chester Glaser, New York

The Dr. Anna Goldfeder Scholarship

Established in 1994 through a bequest of Dr. Anna Goldfeder, New York

The Harry Goldman Memorial Scholarship

Established in 1975 through a bequest of Harry Goldman, New York

The Morris and Rose Goldman Scholarship Fund

Established in 1996 by Rose Goldman, Chicago, Illinois

The Richard and Rhoda Goldman Scholarship

Established in 1982 by Mr. and Mrs. Richard Goldman, San Francisco, California

The Samuel L. and Rebecca R. Goldstein Bursary

Established in 1977 through a bequest of Samuel Goldstein, Lynn, Massachusetts

The Phillip and Beverly Goldstick Scholarship

Established in 1980 by Phillip C. Goldstick, Chicago, Illinois

The John P. Gomme and Fruma Steinmetz Fund

Established in 2011 by the Britto Foundation, London, United Kingdom

The Dorothy and Maurice Gordon Scholarship

Established in 1968 by Centrose Associates, Boston, Massachusetts

The Ethel and Anne Gordon Scholarship

Established in 1990 through a bequest of Ethel Y. Gordon, New York

The Helena F. and Jacob Y. Gordon Scholarship

Established in 1973 by Mrs. Jacob Y. Gordon, Newton, Massachusetts

The William and Mildred Gosden Scholarship Fund in Honor of the Gosden Family

Established in 2005 by Mildred Gosden, Sun City, Arizona

The Salomon and Augusta Gottfried Scholarship

Established in 1997 by Kurt and Sorel Gottfried, Ithaca, New York, in memory of Dr. Gottfried's parents

The Victor Graber Memorial Scholarship

Established in 1999 by David Graber, Alameda, California

The Harold J. and Marion Green Scholarship in Perpetuity

Established in 1970 by Mr. and Mrs. Harold J. Green, Chicago, Illinois

The Jules R. Green Scholarship in Perpetuity

Established in 1980 by Jules R. Green, Chicago, Illinois, in memory of his wife, Rose, and son, Michael Jay Green

The Scott David Greenberg Scholarship in Physics Research

Established in 2001 by Scott D. Greenberg, Buffalo Grove, Illinois

The Nandor F. Gross Scholarship

Established in 1982 through a bequest of Kalman Gross, New York

The Isadore and Bertha Gudelsky Family Scholarship Endowment Fund

Established in 1979 by the Isadore and Bertha Gudelsky Family Foundation, Potomac, Maryland

The Haas Family Scholarship in Scientific Research

Established in 2007 by Dr. and Mrs. David Haas, Suffern, New York

Scholarship Awards

MSc Scholarships in Perpetuity

The David Halberstadt Scholarship

Established in 2013 by his wife Hannah and his daughters Simone and Michèle, France.

The Dr.-Ing. Jerzy Hanowski Scholarship

Established in 1992 through a bequest of Lola Hanowski, Aachen, Germany

The Harman Stieglitz Scholarship

Established in 2013 by the Harmstieglitz Foundation, Englewood, New Jersey

The Heinrich and Gisa Blum Harpuder Memorial Scholarship

Established in 1982 through a bequest of Heinrich Harpuder, Bronx, New York

The B. J. Harris Scholarship

Established in 1970 by B. J. Harris, Palm Beach, Florida

The Gertrude and Benjamin R. Harris Scholarship

Established in 1989 through bequests of Gertrude and Benjamin R. Harris, Chicago, Illinois

The Harry Julius Harris Scholarship

Established in 1997 through a bequest of Dorothy Harris and by Anne Ingber, New York

The Joan W. and Irving B. Harris Scholarship in Brain Research

Established in 1997 by friends and supporters, Chicago Committee for the Weizmann Institute of Science, Chicago, Illinois

The Dr. Esther Hellinger Memorial Scholarship

Established in 1986 through a bequest of Dr. Esther Hellinger, London, United Kingdom

The Carylton and Julius L. Hemmelstein Scholarship in Perpetuity

Established in 2001 by the Carylton Foundation, Chicago, Illinois

The Barry Hershman and Barbara Isaacson Scholarship in Biomedical and Cancer Research

Established in 2001 by Barry Hershman, Des Plaines, Illinois

The Al Hertz Memorial Master's Scholarship in Melanoma and Related Cancers Research

Established in 2013 by Elise Hertz, Toronto, Canada

The Fay and Harry Hoffman Scholarship

Established in 1982 by Harry Hoffman, family and friends, Chicago, Illinois

The Benjamin S. Hornstein Scholarship Fund

Established in 1989 through a bequest of Benjamin S. Hornstein, New York

The Anna Hurwitz Scholarship in Perpetuity

Established in 1983 by Allan Hurwitz, Chicago, Illinois

The Evelyn and Harold Igdaloff Scholarship Fund

Established in 2007 by Mr. and Mrs. Harold Igdaloff, Los Angeles, California

The Fanny E. and Lewis J. Isaacs Scholarship

Established in 1989 through the Fanny E. Isaacs Living Trust, Glencoe, Illinois

The Thomas and Ruth Isackson Memorial Scholarship Award

Established in 1992 through a bequest of Ruth Isackson, Miami Beach, Florida

The Samuel and Anna Jacobs Scholarship Fund

Established in 2015 by the Samuel and Anna Jacobs Foundation, Inc., New York

The Ruth Jansen Family Scholarship

Established in 2015 through the estate of Ruth Jansen, Montreal, Canada

The Judith Kaplan Master's Scholarship in Perpetuity

Established in 2013 by the Judith Anne Kaplan Fund of RSF Social Finance, Sonoma, California

The Barbara and Jon M. Kaufman Scholarship in Particle Physics

Established in 2008 by Jon M. Kaufman, New York

The Benjamin Kaufman Memorial Scholarship

Established in 1995 by Nathan Jacobs, New York

The Bruce and Joëlle Kent Master's Scholarship in Neuroscience Research with a focus on Mental Health

Established in 2013, Montreal, Canada

The Annie and Armand Kessous Master's Scholarship in Mathematics and Computer Science Research

Established in 2013, Montreal, Canada

The Udi Khazam Memorial Scholarship

Established in 1996 by the Khazam Family, London, United Kingdom, and Vancouver, Canada

The Nora Lifschultz Bergman and Edward Klein Scholarship in Biomedical Research

Established in 1998 by Edward Klein, Rancho Mirage, California, and S. Nora Bergman, Chicago, Illinois

The Neil David Konheim Memorial Scholarship

Established in 1985 by George Konheim, Beverly Hills, California

The Arthur Konviser Memorial Scholarship in Cancer Research

Established in 2007 by Dr. Eudice Goldberg and friends, Toronto, Canada

The Dr. David Kopel Scholarship in Perpetuity

Established in 1997 through a bequest of Dr. David Kopel, Chicago, Illinois

The Richard Koret Scholarship

Established in 1968 by the trustees of the Richard Koret Foundation, New York

The Joseph Korodi Memorial Scholarship

Established in 1993 by Emmy Singer, Hamilton, Canada

The Alex and Lilly Koron Scholarship

Established in 2008 through bequests of Alex and Lilly Koron, Chicago, Illinois

Scholarship Awards

MSc Scholarships in Perpetuity

The Frank Korrick Scholarship

Established in 1991 through a bequest of Francis Charles Korrick, Sydney, Australia

The Esther B. and Milton J. Krainin Master's Scholarship

Established in 2006 by Dr. Milton J. Krainin, Atlanta, Georgia

The Margaret S. Kramer Scholarship

Established in 1999 by Margaret S. Kramer, Palm Beach, Florida

The Samuel and Ronnie Kraut Scholarship in the Life Sciences

Established in 1988 by Ricky Kraut through bequests of her parents, Samuel and Ronnie Kraut, Winnipeg, Canada

The David and Chana Krelenbaum Memorial Scholarship for Research in Autoimmune Diseases

Established in 2018 by Marilyn Krelenbaum, Montreal, Canada

The Anne P. Lederer Master's Scholarship in Brain Research

Established in 1998 by the Anne P. Lederer Research Institute, Chicago, Illinois

The Philmore A. and Judith Leemon Scholarship in Brain Research

Established in 1997 by Philmore A. and Judith Leemon, Las Vegas, Nevada

The Dr. Aaron M. Lefkovits Scholarship Fund Bursary

Established in 1986 by Dr. Aaron Lefkovits, Memphis, Tennessee

The Dr. Sophie N. Leschin Scholarship Fund

Established in 1985 through a bequest of Dr. Sophie N. Leschin, Chicago, Illinois

The Eudyce H. Levin Scholarship in Cancer Research

Established in 1984 by Wallace "Bud" Levin, North Miami Beach, Florida

The Wallace S. Levin Scholarship Fund

Established in 1997 by Mark Levin, Davie, Florida

The Chaim Michel and Chaya Freyda Levine Scholarship, established by their son, Jules Lawren

Established in 1995 through a bequest of Jules Lawren, New York

The Irena and Morris Goldstein and Stefan Joram Lewari Memorial Scholarship

Established in 1988 through a bequest of Irena Lewari, Cape Town, South Africa

The Morris I. Lewisohn Scholarship

Established in 1976 through a bequest of Morris I. Lewisohn, Teaneck, New Jersey

The Leyfell Family Master's Scholarship

Established in 2001 by Mr. and Mrs. Aleksander Leyfell, Cambridge, Massachusetts

The Dorothy and Elias Lieberman Memorial Scholarship

Established in 1972 by the Elias Lieberman Memorial Foundation, Jamaica, New York

The Jacob P. and Estelle Lieberman Scholarship

Established in 1990 by the International Fund for Education and Career Development, Tel Aviv, Israel

The Terri and Barry Lind Scholarship for New Scientists Specializing in Cancer Research

Established in 2004 by Mr. and Mrs. Barry J. Lind, Chicago, Illinois

The Yehoshua, Rachel, and Irit Linda Scholarship in Alzheimer's Disease Research

Established in 2014 through a bequest of Yehoshua Linda, Rehovot, Israel

The Abe Lisan Educational Grant Bursary

Established in 1974 through a bequest of Abe Lisan, Glenside, Pennsylvania

The Bert and Etta Liss Scholarship

Established in 2011 through a bequest of Bert and Etta Liss

The Meyer Loomstein Scholarship

Established in 1982 by Meyer Loomstein, Hollywood, Florida

The Josef and Avraham (Avi) Isser Luchfeld Memorial Bursary

Established in 1986 by Mr. and Mrs. Josef Luchfeld, Montreal, Canada

The Lou and Miriam Ludwig Scholarship

Established in 1974 through a bequest of Louis Ludwig, New York

The Sir Jack and Lady Roslyn Lyons Memorial Scholarships

Established in 2015 through the Rosjac Foundation by their children Jonathon Lyons and Patricia Maude-Roxby-Montalto, Switzerland

The Henry and Louis Malakoff Scholarship Fund, New Rochelle, New York

Established in 1991 by Rebecca Malakoff, Brooklyn, New York

The Judd D. Malkin Scholarship in General Biomedical Research

Established in 2004 by Judd Malkin and Barry Malkin, Chicago, Illinois

The Alexander and Mary Margolis and Bernard A. Margolis Perpetual Memorial Scholarship Fund

Established in 1993 through a bequest of Bernard A. Margolis, Brooklyn, New York

The Ben and Ruth Marks Scholarship

Established in 1990 by Ben and Ruth Marks, North Miami Beach, Florida

The Judge Abraham Lincoln Marovitz Scholarship for the Study of Aging

Established in 1996 by friends of the late Hon. Judge Abraham Lincoln Marovitz, Chicago, Illinois

The Joory Mashal Bursary

Established in 1981 by Joory and Doreen Mashal, Montreal, Canada

The Samuel Mayer Bursary

Established in 1973 by Elsie Mayer, Santa Monica, California

The Joseph and Mable E. Meites Scholarship Fund

Established in 1983 by Joseph and Mable E. Meites, Okemos, Michigan

Scholarship Awards

MSc Scholarships in Perpetuity

The Nora Menascé Scholarship in Cancer Research

Established in 2002 through a bequest of Nora Menascé, Milan, Italy

The Martin and Dianne Mendoza Scholarship

Established in 1991 in honor of Martin and Dianne Mendoza by friends and admirers, London, United Kingdom

The Leo Meyer Scholarship

Established in 1965 through a bequest of Leo Meyer, San Francisco, California

The Dr. Bert Migicovsky Scholarship

Established in 1990 by the Ottawa Jewish Community, Ottawa, Canada

The Minzer Family Fund Scholarship

Established in 1978 by Margaret and Sol Minzer, Dallas, Texas

The Pola and Elias Mirson Scholarship

Established in 1989 through a bequest of Pola Mirson, Buenos Aires, Argentina

The Paul and Felicia Muskat Scholarship Fund

Established in 1984 through a bequest of Paul Muskat, Toronto, Canada

The Inez P. and David N. Myers Scholarship

Established in 1981 by the David and Inez Myers Scholarship Fund, Cleveland, Ohio

The Fanny Fletcher and Meyer Naxon Memorial Scholarship in Perpetuity

Established in 1984 through a bequest of Meyer Naxon, Beverly Hills, California

The Clara and Bela B. Nevai Scholarship

Established in 1972 by Mr. and Mrs. Bela B. Nevai, Dobbs Ferry, New York

The Dr. Louis B. and Rose M. Newman Scholarship

Established in 1971 by Dr. and Mrs. Louis B. Newman, Chicago, Illinois

The Harold Paul Novick Scholarship in Perpetuity

Established in 1982 by Mr. and Mrs. Samson Novick, New York

The Cemach Oiserman Scholarship Fund

Established in 1999 through the offices of Yehuda Assia, Geneva, Switzerland

The Olmert/Burckin Scholarship Fund

Established in 2017 by Carol Olmert and Dr. Alan P. Burckin, Walnut Creek, California

The Walter Pancoe Scholarship

Established in 1992 by Walter Pancoe, Chicago, Illinois

The Cecile and Ben Pekin Scholarship

Established in 2002 by Cecile and Ben Pekin, Highland Park, Illinois

The Gertrude and Ivar Philipson Bursary

Established in 1961 through bequests of Gertrude and Ivar Philipson, Stockholm, Sweden

The Rose and Israel Pincus Bursary in Perpetuity

Established in 1987 by William B. Ingram, Laguna Hills, California

The Harry and Evelyn F. Platoff Memorial Bursary

Established in 1975 through a bequest of Evelyn F. Platoff, Miami Beach, Florida

The Edith and Henry Plessner Scholarship

Established in 1991 through a bequest of Edith Plessner, New York

The David and Janet Polak Scholarship

Established in 1997 by Mr. and Mrs. David Polak, Beverly Hills, California

The David Pollin Revolving Scholarship Fund

Established in 2000 through a bequest of Dan Pollin, Fort Lauderdale, Florida

The Sidney L. and Betty B. Port Scholarship in Perpetuity

Established in 2003 by Sidney L. Port, Chicago, Illinois

The Alfred Prager Scholarship in Perpetuity

Established in 1970 by the American Committee for the Weizmann Institute of Science, and through a bequest of Alfred Auerbach, New York

The Brothers Moses and Meyer Pupko Trust Fund Bursary

Established in 1971 through a bequest of Abraham Pupko, Seattle, Washington

The Rona and David Radler/Sun Times Scholarship in Biomedical Research

Established in 1997 in honor of F. David Radler by the Chicago Committee for the Weizmann Institute of Science, Chicago, Illinois

The Ruth Epstein Recu Scholarship

Established in 1980 by Ruth Recu, Chicago, Illinois

The Harry and Mildred Remis Scholarship

Established in 1973 by Mr. and Mrs. Harry Remis, Peabody, Massachusetts

The Anna and Max Resnick Scholarship

Established in 1996 by Howard Resnick, Chicago, Illinois

The Prof. David Rittenberg Memorial Bursary

Established in 1971 in memory of her husband by Mrs. S. Rittenberg and friends, New York

The Aida and Jerome Robinson Scholarship Endowment Fund

Established in 2003 by Jerome and Aida Robinson, Fort Lee, New Jersey

Bianca and Stuart Roden Scholarship

Established in 2016 by the Roden Family Foundation, London, UK

The Lillian L. Rolde Memorial Scholarship

Established in 1981 by L. Robert Rolde, Boston, Massachusetts

The Dorothy and Irving Rom Scholarship

Established in 1990 by the Irving and Dorothy Rom Charitable Trust, Chicago, Illinois

The Ben and Esther Rosenbloom Foundation Scholarship

Established in 1990 by Ben and Esther Rosenbloom, Baltimore, Maryland

Scholarship Awards

MSc Scholarships in Perpetuity

The Charles J. Rosenbloom Memorial Bursary

Established in 1973 through a bequest of Charles J. Rosenbloom, Pittsburgh, Pennsylvania

The Isidore Rosenkrantz Scholarship

Established in 1960 through a bequest of Isidore Rosenkrantz, St. Paul, Minnesota

The Lili Rosenthal Scholarship

Established in 2016 through the estate of Dr. Lili Rosenthal, Sweden

The Anna and Leo Rosner Scholarship

Established in 1986 by the Leo Rosner Endowment Fund, Miami Beach, Florida

The Celia and Nelson Rostow Scholarship

Established in 1987 through a bequest of Nelson Rostow, New Haven, Connecticut

The Sara Rottenberg Scholarship in Cancer Research

Established in 1994 by Sophie Kalina, New York, in memory of her mother

The Rachelle Rubin (nee Blecher) Scholarship

Established in 1991 by Rachelle Lea Rubin, Dusseldorf, Germany

The David and Eleanore Rukin Scholarship

Established in 1981 by the David and Eleanore Rukin Philanthropic Foundation, Saddle River, New Jersey

The Rymer Family Scholarship

Established in 1986 by the Barry Rymer Trust, Chicago, Illinois

The Ann B. Sadowsky Scholarship

Established in 1987 through a bequest of Ann Sadowsky, Mineola, New York

The Dr. Alexander Salamon Memorial Endowment Fund

Established in 2006 by Lilly Salcman, Julie Salamon, and Dr. Suzanne Salamon, Florida, New York, and Massachusetts

The Bernard and Edith Samers Scholarship in Cancer Research

Established in 1997 in honor and in memory of Bernard Samers, former Executive Vice President, American Committee for the Weizmann Institute of Science, New York

The Marvin Sands Endowed Master's Scholarship Fund

Established in 2003 in honor of Marvin Sands by South Florida Friends of the Weizmann Institute of Science

The Elsie Olin and Philip D. Sang Scholarship

Established in 1995 by Elsie Olin Sang, Chicago, Illinois

The Jerome D. and Beverly Scheer Scholarship

Established in 1989 by Jerome D. and Beverly Scheer, Potomac, Maryland

The Sylvia and Aaron Scheinfeld Scholarship

Established in 1976 by Mrs. Aaron Scheinfeld, Chicago, Illinois

The Harry and Mae Schetzen and Prof. Martin Schetzen Scholarship

Established in 1979 by Mae Schetzen, New York

The Dr. Oskar and Sally Schickler Scholarship Fund

Established in 2007 through a bequest of Dr. Oskar Schickler, Montreal, Canada

The Ida and Abraham Schneider Scholarship

Established in 1968 by Abraham Schneider, Palm Beach, Florida

The Max Schoenfeld Scholarship

Established in 1976 by Walter E. Schoenfeld, Seattle, Washington

The Stuart and Sarah Schulman Scholarship Fund

Established in 1991 by Dr. and Mrs. Stuart Schulman, Boca Raton, Florida

The Joseph Schumer Scholarship

Established in 1964 through a bequest of Joseph Schumer, New York

The Rabbi Samuel and Charlotte Schwartz Scholarship

Established in 1981 by their son James L. Schwartz, Highland Park, Illinois

The Segal Scholarship in Biomedical Research

Established in 2000 by Joan and George I. Segal, Chicago, Illinois

The Henry and Soretta Shapiro Master's Scholarship

Established in 1996 by the Soretta and Henry Shapiro Family Foundation, Chicago, Illinois

The Sabina D. and Benjamin Shapiro Scholarship Fund

Established in 1999 through a bequest of Sabina D. Shapiro, New York

The Ruth and Leonard Simon Scholarship in Leukemia/Cancer Research

Established in 1999 by Ruth Simon, Wilmette, Illinois

The Rochelle and Harold Simpson Scholarship

Established in 2003 by Harold and Rochelle Simpson, Delray Beach, Florida

The Irving I. Singer Foundation Scholarship

Established in 1974 by the Irving I. Singer Foundation, New York

The Yvette Slotnick Scholarship Fund

Established in 1998 by Rhea Slotnick, Margate, Florida

The Sabine and Jeremy Smouha Scholarship

Established in 2007 by Mr. and Mrs. Jeremy Smouha, London, United Kingdom

The Rabbi and Mrs. Aaron Solomon Bursary

Established in 1982 by Dr. Jonathan G. Solomon, Hampton, Virginia, in honor of his parents

The Paula and Ernest Sommers Scholarship

Established in 1998 by Ernest Sommers, Chicago, Illinois

The Hazel and David Spatz Scholarship

Established in 2000 by the Spatz Family Foundation, Chicago, Illinois

Scholarship Awards

MSc Scholarships in Perpetuity

The Samuel J. Spector and Augusta Spector Bursary

Established in 1978 through a bequest of Augusta Spector, New York

The Blanche and Max Steig Memorial Scholarship Fund

Established in 1993 through a bequest of Blanche Steig, New York

The Oscar H. Stern Memorial Scholarship

Established in 1976 through a bequest of Oscar H. Stern, New York

The Sheri Hirschfield Stone and David E. Stone Scholarship for Stem Cell Research

Established in 2013 by David and Sheri Stone, Coral Gables, Florida

The Leo and Rachel Sussman Scholarship Fund

Established in 2008 through a bequest of Rachel Sussman, Garden City, New York

The Roy L. Swarzman Scholarship in Perpetuity

Established in 1990 by Matthew Bucksbaum, Marvin Pomerantz, and Mr. and Mrs. Stanley Isaacson, Des Moines, Iowa

The Swiss Society of Friends of the Weizmann Institute of Science Scholarship in Perpetuity

Established in 1985 by the Swiss Society of Friends of the Weizmann Institute, Zurich, Switzerland

The Nachman Syrkin and Mendel Osnos Scholarship

Established in 1999 by Drs. Morton G. and Zivia Wurtele, Berkeley, California

The Armin and Etel (Angyal) Szolovits Master's Scholarship

Established in 2001 through bequests of Armin and Etel Szolovits, Hollywood, California

The Isaac H. Taylor Scholarship

Established in 1972 by Isaac H. Taylor, Ellicott City, Maryland

The Yael and Rami Ungar Master's Scholarship in Perpetuity

Established in 2010 by Rami and Yael Ungar, Israel

The Werner and Daughter Renee Usansky Memorial Bursary

Established in 1982 by Sra. Sara Z. de Usansky, Buenos Aires, Argentina

The Minnie and Arthur Vare Scholarship

Established in 1968 by the Minnie and Arthur Vare Foundation, New York



Scholarship Awards

MSc Scholarships in Perpetuity

The Rose and Ben N. Vollen Scholarship

Established in 1993 through a bequest of Ben N. Vollen, Chicago, Illinois

The Wagner-Braunsberg Family Foundation Scholarship Fund

Established in 2008 by Mr. and Mrs. Peter Wagner, and Elizabeth Wagner, Rockville, Maryland

The Norma Walk Memorial Scholarship

Established in 1971 through a bequest of Norma Walk, New York

The George Wasserman Family Foundation/Janice Wasserman Goldsten Scholarship

Established in 1994 by the George Wasserman Foundation, Inc. and by Janice Wasserman Goldsten, Washington, D.C.

The Dr. Edgar Weil Memorial Bursary

Established in 1975 by an anonymous donor, Los Angeles, California

The Charles Weinfeld Memorial Scholarship

Established in 1972 by the Charles Weinfeld Trust, Northbrook, Illinois

The Celeste and Joseph Weingarten Memorial Scholarship

Established in 1987 by Nancy Weingarten and friends, Boston, Massachusetts

The Edythe and Samuel Weinstein Scholarship

Established in 2002 by the Samuel Weinstein Family Foundation, Niles, Illinois

The Irving Weinstein Foundation Master's Scholarship Fund

Established in 2016 by the Irving Weinstein Foundation, New York, New York

The Joe and Celia Weinstein Master's Scholarship in Perpetuity

Established in 1995 by Major Max and Sylvia Shulman, New York

The Dr. Lee Franklin Weinstock Leadership Scholarship

Established in 1994 through a bequest of Dr. Lee Franklin Weinstock, Detroit, Michigan

The Samuel Wendorf Bursary for the Feinberg Graduate School

Established in 2001 through a bequest of Samuel Wendorf, Milwaukee, Wisconsin

The Sarah Werch Research Scholarship Fund

Established in 1994 by the Solomon Carl Werch Trust, Chicago, Illinois

The J. Stanley and Rose Weyman Memorial Scholarship

Established in 1997 by Anne Weyman, London, United Kingdom

The Estelle White Memorial Scholarship Fund

Established in 2001 through a bequest of Estelle White, New York

The G. Pauline Whiteman Scholarship Fund

Established in 2005 through a bequest of Pauline Whiteman, San Francisco, California

The William W. Wilkow Scholarship Fund

Established in 1987 by Mrs. William W. Wilkow, Chicago, Illinois

The Dr. Albert and Blanche Willner Scholarship for Russian Students

Established in 1993 by Dr. and Mrs. Albert Willner, Delray Beach, Florida

The Women of Vision Scholarship Fund for Breast and Ovarian Cancer Research

Established in 1996 by friends and supporters, South Florida Committee for the Weizmann Institute of Science

The Milton Young Memorial Bursary

Established in 1980 by friends of Milton Young, New York

The Alice Zacharia Scholarship

Established in 1983 by Madame Alice Zacharia, Paris, France

The Louis and Celia Zeibell and Ida Zeibell Scholarship in Perpetuity

Established in 1995 by Jack Zeibell, Chicago, Illinois

The Zekelman Scholarship Fund

Established in 2017 by Alan Zekelman, Bloomfield Hills, Michigan

The William N. Zinn Endowed Master's Scholarship

Established in 2003 by Robert Zinn, Houston, Texas, and Natalie Zinn Haar, Cambridge, Massachusetts

The Samuel Zonne Semester Scholarship

Established in 1980 through a bequest of Samuel Zonne, Minneapolis, Minnesota

The Lillian and Samuel L. Zuckerman Bursary

Established in 1959 by the Zuckerman family, New York, in honor of their parents' golden wedding anniversary

Scholarship Awards

Annual and Semester MSc Scholarships

The Erma and Allan Blumenfeld Scholarship

Established in 2017 by Erma Blumenfeld, Toronto, Canada

The Miriam and Arthur Diamond Scholarship

Established in 2018 by the Miriam and Arthur Diamond Charitable Trust, New York

The David Himelberg Foundation Scholarship

Established in 2014 by the David Himelberg Foundation, New York

The Jorge Kassel Scholarship in the Earth Sciences

Established in 1990 by Jorge Kassel, Naucalpan, Mexico

Langleben Scholarship Fund

Established in 2017 by Dr. Adrian Langleben, Montreal, Canada

The Edward C. and Linda Dresner Levy Foundation Master's Scholarship

Established in 2010 by Edward C. and Linda Dresner Levy, Detroit, Michigan

The Charles and Denise Noparstak Master's Scholarship

Established in 2010 by Charles and Denise Noparstak, Northbrook, Illinois

The Anna and Isidore Roseman Foundation Awards

Established in 1985 by the Anna and Isidore Roseman Foundation, Reading, Pennsylvania

Steven Ross Memorial Scholarship

Established in 2018 by Ilene and Jeff Nathan and family and friends, Southern California

