מכון ויצמן למדע

WEIZMANN INSTITUTE OF SCIENCE

Feinberg Graduate School

Graduates 2023

Feinberg Graduate School
in The David Lopatie Hall of Graduate Studies

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מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

מדרשת פיינברג של מכון ויצמן למדע
מתכבדת להזמינך

לטקס הענקת תארי מוסמך ודוקטור לפילוסופיה ולהכרזה על פרסים למצטיינים

יום רביעי, י"א בסיוון תשפ"ג, 31 במאי 2023
בשעה 19:00
בכיכר הזיכרון לשואה ע"ש משפחת דוד ופלה שאפל
מכון ויצמן למדע, רחובות

ברכות:

פרופ' אלון חן
נשיא מכון ויצמן למדע

פרופ' גלעד פרז
דיקן מדרשת פיינברג, מכון ויצמן למדע

פרופ' מאיה שולדינר
יו"ר המועצה המדעית, מכון ויצמן למדע

אורחת כבוד:

פרופ' מונא ח'ורי
סגנית נשיא לאסטרטגיה ומגוון
האוניברסיטה העברית בירושלים

דברים בשם הבוגרים:

ד"ר עדי מילמן
המחלקה לגנטיקה מולקולרית

מוסיקה:

ליבי פנקר

לתשומת לב המוזמנים:

- הגעה באמצעות waze: חניית קימל, מכון ויצמן, רחובות.
- הכניסה מותנית בהצגת אישור הרישום לאירוע.
- אורחים הזקוקים לסיוע בנגישות לאירוע מתבקשים לתאם מראש את הגעתם עם המדרשה (08-934-4170).
- הכניסה לאתר האירוע ולמתחם המושבים תתאפשר מהשעה 18:15 עד 18:55.
- לצפייה בשידור הישיר של הטקס, למי שנבצר ממנו להשתתף נא ללחוץ כאן.

The Feinberg Graduate School of the Weizmann Institute of Science
cordially invites you to the

Graduation Ceremony for the conferment of MSc and PhD degrees and the awarding of prizes for academic excellence

Wednesday, May 31, 2023
7:00 p.m.
David and Fela Shapell Family Holocaust Memorial Plaza
Weizmann Institute of Science, Rehovot

Greetings:

Prof. Alon Chen
President, Weizmann Institute of Science

Prof. Gilad Perez
Dean, Feinberg Graduate School

Prof. Maya Schuldiner
Chair, Scientific Council of the Weizmann Institute of Science

Guest of honor:

Prof. Mona Khoury
Vice President for Strategy and Diversity
The Hebrew University of Jerusalem

On behalf of the graduates:

Dr. Adi Millman
Department of Molecular Genetics

Music:

Libi Panker

Please note the following:

- waze location: Kimmel Parking, Weizmann Institute, Rehovot.
- Guests are required to present confirmation of their registration to the event.
- To make arrangements for guests with special access needs, please contact FGS in advance (08-934-4170).
- Guests will be permitted to enter the plaza from 6:15 p.m.-6:55 p.m.
- For those unable to attend the ceremony, a live broadcast can be viewed here.

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

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.

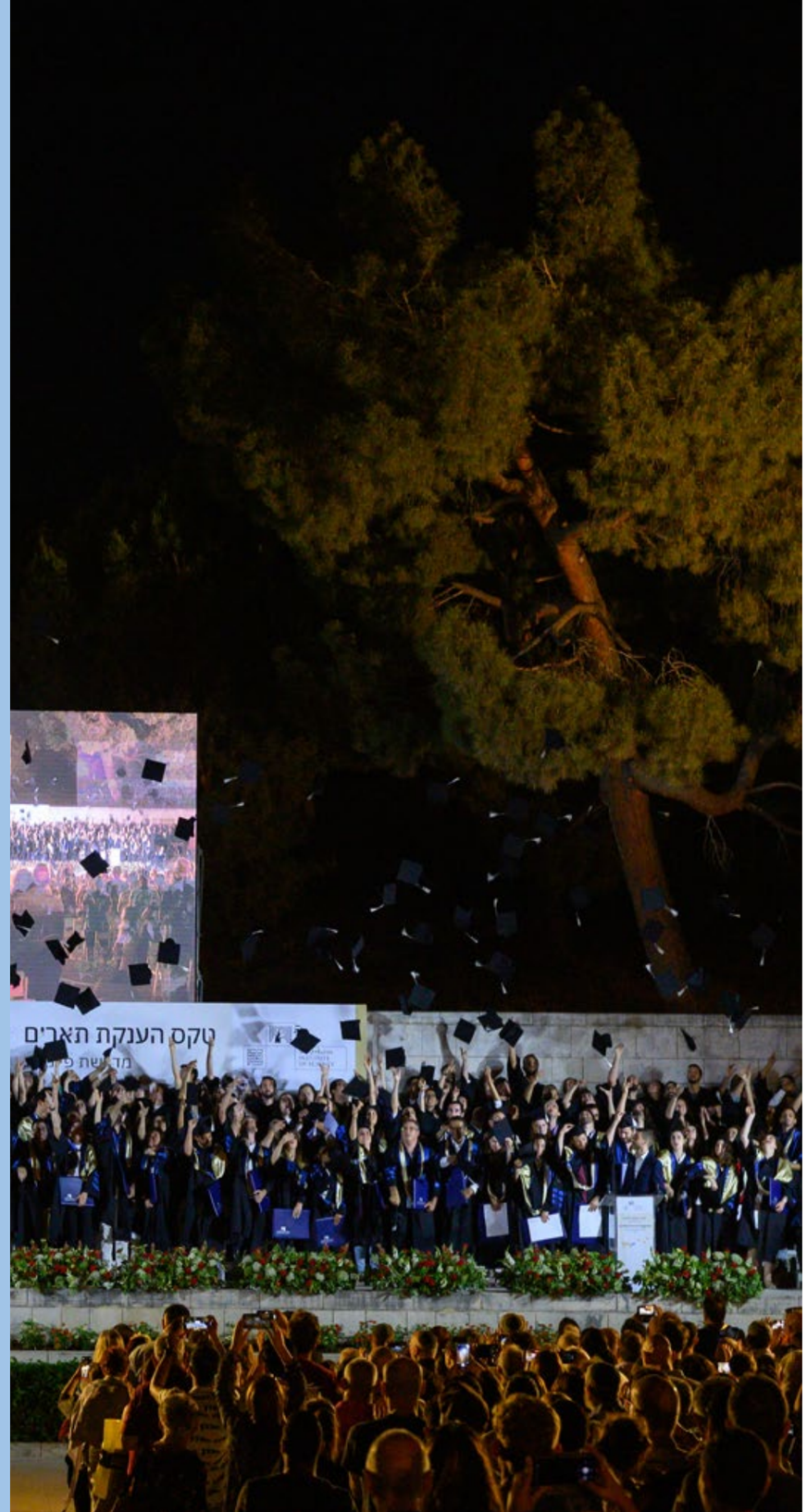
The Graduate School consists of five Research Schools: the Solo Dwek and Maurizio Dwek Research School of Chemical Science, the Ekard Research School of Biological Science, the Lorry I. Lokey Research School of Biochemical Science, the Moross Research School of Mathematics and Computer Science, and the 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 Kupcinet-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. Alon Chen
President,
Weizmann Institute of Science



Dear graduates and proud family members,

At this juncture in your lives, when you are about to bloom and bear fruit, it's worth remembering how everything started. How the children that you were didn't stop asking questions, and didn't settle for partial answers that the world was able to provide you with at the time.

In a certain sense, it's important that we all continue to retain and to cultivate within ourselves the children that we once were. These children will keep us curious and optimistic, and it is they who will know how to connect us to the students who will join us in the future.

Ups and downs await you on the winding road that you are embarking on now, along with failures, achievements, and successes. At low points, don't despair. When successes and recognition arrive – and they will arrive – don't let them get to your head. It's important to continue on the road, and to remember the objective of the journey: we want to understand the world, among other things because the new understandings that we achieve will improve our lives in the future.

A few words to the proud parents and family members: The Institute's graduates are first and foremost your children. You educated them, and you imparted principles and values to them, to which we have added scientific knowledge, and methods to develop this knowledge. You are our senior partners, and we thank you for the privilege that you gave us to be your partners in success.

At the current time, it is impossible to refrain from making a principled, apolitical statement. It is important that we know and understand: there is no academia, and there is no scientific research, without democracy, without freedom of expression, and without minority rights. In the history of science, we know of many cases in which it was precisely the minority, and even a handful of people who went against the stream, who led to breakthroughs that later improved the lives of everyone. It is important to remember this, and to internalize it in all areas of life.

Dear graduates, we are proud of you and wish you a journey that will lead to pinnacles of fulfilling dreams. You are the ones bringing the message of science to the future. Go out into the world, and make it a better place for all of us.

Thank you everyone.

Prof. Gilad Perez
Dean,
Feinberg Graduate School

Dear graduates and families, I would like to highlight and celebrate one special aspect of your journey here: freedom. Now, why should we talk about freedom? After all we are an Institute for the study of natural and exact science.

The first connection to freedom is making a choice. We all know that you're among the most talented of your generation. We know that there are so many material options out there, pulling you into more practical paths, paths with much greater immediate material rewards. Yet you chose to come to the Weizmann Institute of Science with no guaranteed outcome, often outside of your comfort zone, away from your alma mater (and possibly country) – this is almost by definition a manifestation of free will.

Secondly, the whole essence of the Weizmann Institute of Science is being the beacon of uncompromising truth. We fight fiercely to enable our scientists and students to ask whatever question they find interesting, and pursue the research path that follows from these questions– and this is the very definition of freedom! The fact that you are here means that you underwent this experience, obtained new results and/or discoveries, and earned your Master and Ph.D. degrees, something worth celebrating.

Inside the Weizmann Institute of Science, there is a wonderful boutique university called the Feinberg Graduate School – and we are now celebrating its 65th anniversary.

Over 2,500 master's degree students, and over 5,000 doctoral students, have graduated from the Feinberg Graduate School, including 400 founders and CEOs of startups, and over 500 professors in academia, and today you are joining this elite group of the brand "graduate of the Weizmann Institute of Science."

Feinberg Graduate School is essential to produce truly groundbreaking science – and you are the definitive proof of this. Now, when the need for true conceptual and tangible freedom is especially important, you, our 319 graduates, have additional responsibility and significance, as the new ambassadors of our special family.

We hope that the joy of freedom of thought, and the ability to ask sharp questions without compromise that led you in your research, will accompany you in your next steps.

Prof. Gilad Perez

Weizmann Institute of Science | Feinberg Graduate School | **2023 Graduates**

Prof. Maya Schuldiner
Chair,
Scientific Council

Dear graduates,

It is an honor to stand here with you today.

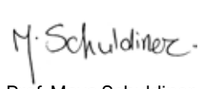
I am excited to see each and every one of you, because I know that you are not only graduates, but also heroes. Because I know that what you have done in order to stand here today is something unique. Maybe you think that this is something that each of you has discovered, another small piece of truth about nature – something that no one knew before. Something that adds another puzzle piece to human knowledge. But it's not only that.

I am excited because I know that in order to stand here today, you had to do something incomparably brave. You had to stand up again after you failed over and over, because that is what happens when you stand at the boundary of knowledge and want to march into the unknown. And every time you fell, you needed to fight your demons. Am I good enough? Am I smart enough? Will I succeed, or will I fail, and then people will think that I am not worthy? Will I disappoint myself and those dear to me? You fought your demons, and you won the battle. You discovered that the hardest thing you had to do to get the degree is not a course, or an equation, or a lab exercise – but to face your own fears. But despite all of this, you marched forward along the paths of science and contributed something of your own to the edifice of human knowledge. Well done!

And you here in the audience – families, friends, advisors – you were happy and proud of our students, but you also embraced and encouraged them when necessary, and therefore you were partners in the journey of discovery. Without your support, it would have been harder for them, sometimes even impossible. So thank you for being there for them on the path.

To our dear international graduates – I know from my own experience how hard it is to make this journey, or even just parts of it, in a foreign country – displaced from your support system and your loved ones. For you, the journey was even harder, yet you made it.

So what next? Regardless of what life path you continue on, I wish you all the same thing. That you dare to make the difficult choices, and not just the easy ones – to leave your comfort zone, and to set your eye on lofty goals. Because whether you did a degree in physics, math, computer science, science education, chemistry, or biology – if there is one thing that I know that you all learned here with us, in your years here, on this journey – it is who you are. That you are heroes. And just as you achieved your degree, you can achieve whatever you wish to achieve, that you have the power to succeed. So go out and succeed, and many congratulations on your amazing achievement today.



Prof. Maya Schuldiner

Yael Goren-Wegman
Executive Director
Israeli Friends Association
& Alumni Organization
Weizmann Institute of
Science

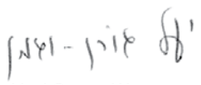
Dear graduates,

On behalf of the Alumni Organization, I would like to welcome you to the alumni community of the Weizmann Institute of Science. By choosing to pursue an advanced science degree at Weizmann, you followed your passion and curiosity and demonstrated a true commitment to conduct research to the benefit of humanity.

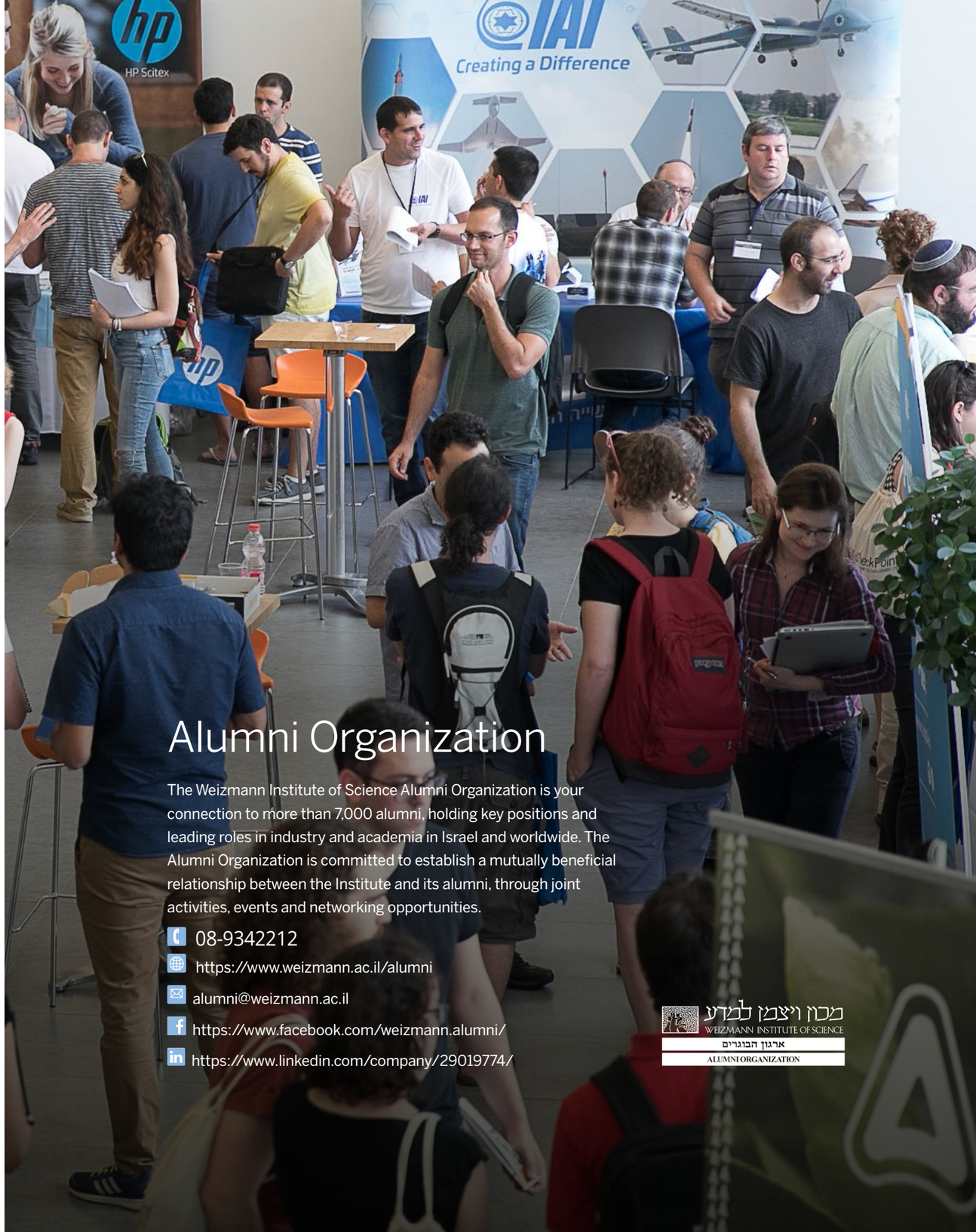
This year, the COVID vaccines have enabled us to meet face to face to celebrate your graduation in a festive event thanks to years of dedicated work of scientists who continue to work tirelessly to find solutions that allow a pandemic life routine. As young scientists, from now on, you will be taking part in the efforts to harness technology and innovation to help the world cope with such local and global challenges.

Our lifetime connections with our graduates have become a tradition of the Weizmann family, and we encourage you to keep in touch with us and let us be part of your professional journey. The Alumni Organization holds face-to-face and online activities, and we will be happy to hear about your experience and facilitate your networking. By connecting to our exclusive alumni platforms, you can interact with fellow graduates working in various Israeli and international companies and attend career-related lectures and events. To benefit from our resources, you can access our LinkedIn, Facebook, and Instagram pages. The Weizmann experience opens numerous doors and paths for further research, innovation, and entrepreneurship, and we wish you success and fulfillment in your professional life, whether in academia, in the industry, or at the intersection of the two. As Weizmann graduates, you will always be part of a leading community that plays a vital role in promoting our values and paving the way to the success of the next Weizmann generations.

Every discovery begins with curiosity, questions, and doubts. This is the foundation of scientific research, and it is here that your journey begins. May it be interesting and fulfilling!



Yael Goren-Wegman



Alumni Organization

The Weizmann Institute of Science Alumni Organization is your connection to more than 7,000 alumni, holding key positions and leading roles in industry and academia in Israel and worldwide. The Alumni Organization is committed to establish a mutually beneficial relationship between the Institute and its alumni, through joint activities, events and networking opportunities.

08-9342212
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מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE
ארגון הבוגרים
ALUMNI ORGANIZATION

Prof. Mona Khoury
Vice President for Strategy and Diversity
The Hebrew University of Jerusalem

Good evening everyone. Thank you very much for the invitation. I am excited to speak here in front of you, dear graduates, in front of your dear families and the dear staff of the Weizmann Institute of Science.

I am happy to have the opportunity to share with you my professional experience, and my strong belief regarding the way we must act so that our institutions will be diverse and inclusive. When I speak of diversity, I mean all of the populations that are underrepresented in higher education, especially Arabs, Haredim, Ethiopian-Israelis, first generation students, and people with disabilities. In addition, we also deal with the LGBT community. While this is the only group I mentioned that is not underrepresented, it copes with challenges that are mainly connected to attitudes towards them, and to their difficulty in fully expressing their identity.

I am happy to tell you that in the past year we reached 21 percent Arab students compared to 17 percent the previous year. I could give details on the rest of the groups, but I would like to take advantage of the short time I have to share with you one of the many mistakes that we make, usually unconsciously. I'm referring to how people relate to a case like mine. As Shibel described, I came from a neighborhood of poverty and crime in Haifa. Even though my parents didn't have any education, I succeeded in reaching the rank of Full Professor at a university, and to be appointed Vice President.

I am not the only one who has walked such a path. On many occasions, we have heard about the Ethiopian Israeli physician, the math professor who didn't learn core studies in his childhood, the visually impaired person who completed his studies with honors, and more. What is the problem with these instances?

The problem here is that we take the exceptions and make them into the rule. And then we say, “if they succeeded, anyone could succeed, as long as they want to.” There is a great danger here. The danger is evading our responsibility as a society towards groups that live in disadvantaged conditions, whose personal, socioeconomic, and even political life circumstances are a barrier to them. Alongside each success story, we must stop and think about all those who wanted with all their might, who tried, but did not succeed. We must not forget those others when it comes to determining the institution's policy.

I ask that with every step and initiative, with every intake of faculty and creation of a curriculum, we also see all of the excellent people, from all population groups, who want to but have difficulty, and not because of a lack of motivation or capabilities, but because of the many barriers that exist in society.

Weizmann Institute of Science | Feinberg Graduate School | **2023 Graduates**

I call on all of us to display initiative, to reach out, to reach those students and faculty members from unrepresented groups, and to allow all of them to be part of our institution.

I'll briefly mention some of the things we do in order to advance this worldview. Our ability to reach diverse populations began with the understanding that we wouldn't be able to use the same marketing methods on them that are suitable for the general population. For example, in order to recruit Arab students, we go to schools, communities, parents, school counselors and expose them to the university. First generation students are another group that is underrepresented, there are talented, smart and highly capable people in it, but unfortunately they do not always reach academia, or the leading institutions in it. Today we are advancing our activity to recruit candidates who are first generation students through extensive activity with civil society organizations that work in communities in which there are high rates of graduates who are first generation. With regard to the academic faculty, we created a pool of candidates, postdoctoral researchers from the Arab community, which we shared with all of the institutions, including the Weizmann Institute. We did this in order to convey to the candidates that Israeli academia is interested in them.

We are translating all of the signs at the university into three languages, Hebrew, Arabic and English. Positions for administrative faculty are published in Arabic and Hebrew. In addition, we are promoting several activities whose common denominator is the message that "we want you at our institution." We also work to help you integrate, accompany you on the way in, and don't settle for the fact that "our door is open to all."

Opening the door is a necessary but not a sufficient condition for diversity, because many of these groups are in an entirely different neighborhood that doesn't see this door. Just like Waze helps us get from place to place, we need to help all of these candidates make their way and get to be part of the university community. We are proud to lead these processes, happy about the partnership between us and other institutions, and thankful for the mutual learning. We still have a long way to go in order to fulfill our mission of being diverse and inclusive institutions. But the moment we do this, the impact will be not only on the university community – the universities – but on Israeli society in general.

Congratulations to all of the graduates – Mabrouk! [congratulations in Arabic]

On behalf of the graduates
Dr. Adi Millman
Department of Molecular Genetics

Gerty Cori, together with her husband, Carl, won the Nobel Prize in Physiology or Medicine in 1947. Cori was the first woman who won this important recognition. Cori described the joy of scientific discovery thus:

For scientists, the unforgettable moments in their lives are those rare moments that come after years of hard work, when they suddenly see the veil lift over nature's secrets, and what seemed dark and chaotic suddenly appears as a bright and clear pattern.

I was a computer programmer in the army, I very quickly understood that computer programming wasn't for me, something there was missing. But when I came to the Weizmann Institute, I received an opportunity to use the abilities that I had acquired in the army in order to understand and reveal the beauty in nature. And in fact, hardly a day went by in the lab without me being amazed by the creativity and the resourcefulness of the bacteria that I studied.

I came to the Weizmann Institute looking for the "eureka!" moments, those that Cori mentioned. The moment when the penny drops, when you understand that you've discovered something that no one else knows yet. Happily, my fellow graduates and I have had the privilege of experiencing the joy of discovery. There is an enormous sense of pride in this, knowing that these discoveries of ours, large and small, join the pool of human knowledge that the science of the future will be built on.

Now is an amazing time in which to engage in scientific research. Technologies are advancing with giant steps, and in our time, we have witnessed real revolutions: mathematicians prove theorems with the help of a computer, advanced telescopes provide us with pictures of a black hole for the first time, and artificial intelligence completely changes the rules of the game – from algorithms that have solved longstanding questions in biology to language processing systems such as chatGPT that maybe, or maybe not, helped write these lines…

At the Weizmann Institute of Science, we have had the privilege of engaging in innovative scientific research, in a unique and creative atmosphere of academic excellence. At the Institute, we have been exposed to groundbreaking scientists, guest lecturers from around the world, leaders in their fields. But it's not only them – we have met artists, writers, musicians and dancers, each of whom, in his own way, taught us about creativity, and who contributed to shaping our worldview as researchers. In his book The World as I See It, Einstein wrote: "The most beautiful experience we can have is the mysterious. It is the fundamental emotion which stands at the cradle of true art, and true science." Indeed, art goes hand in hand with science, and it too expands our thought.

Weizmann Institute of Science | Feinberg Graduate School | **2023 Graduates**

We, the graduates, are proud to be part of the Institute, which also takes upon itself social responsibility. In addition to initiatives to contribute to the local community, the Institute quickly mobilized and took part in the response to the COVID-19 crisis, took in scientists and students from the Ukraine and Russia who were forced to leave their homes and flee from the war zone, and today, it loudly and clearly supports Israeli democracy.

It is a great honor to stand here today on behalf of my fellow graduates, and to express our thanks to the Weizmann Institute for having granted us an exceptional platform on which to fulfill our dreams. We would like to thank all of those who supported us over the years, the heads of our research groups, for their direction and guidance, the scientists on the faculty, our colleagues in the labs, and the entire staff of the Institute for their support of our research, and the staff of the Feinberg Graduate School for the enriching curriculum. Thank you to our dear families who supported us along the way and were always there for us, and for everyone who gave us inspiration to be the best that we can be. And speaking of inspiration, I can't help but think of my mother, who was not able to accompany me to the finish line. Mom, this degree is dedicated to you.

My fellow graduates, during this journey, we sometimes felt that our path is a bit less paved, that it's a bit windier on our road, but nevertheless, we did it! We are standing on the shoulders of the giants who blazed the way for us in the past, and here too, at the Institute, we have had the privilege of learning from inspiring scientists, and I am hopeful that we will see more scientists here in the near future.

In conclusion, my fellow graduates, we have reached a significant achievement; these were beautiful and exciting years. I hope that we will all be fortunate enough to discover more of the secrets of nature, and to enjoy science, in whatever direction we choose.

Prizes for outstanding PhD students

The John F. Kennedy Prize

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

Mr. Erez Urbach

Advisor: Prof. Micha Berkooz, Department of Particle Physics and Astrophysics

Ms. Inbar Savoray

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

Dr. Efrat Resnick

Advisor: Prof. Nir London, Department of Chemical and Structural Biology

Dr. Tatyana Nazaretsky

Advisor: Dr. Giora Alexandron, Department of Science Teaching

Mr. Alejandro Aguilera Castrejon

Advisor: Prof. Jacob (Yaqub) Hanna, Department of Molecular Genetics

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 selected prestigious universities from around the world, including the Weizmann Institute of Science.

Ms. Avigail Stokar-Avihail

Advisor: Prof. Rotem Sorek, Department of Molecular Genetics

Ms. Gal Yona

Advisors: Prof. Guy Rothblum and
Prof. Irit Dinur, Department of Computer Science and Applied Mathematics

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 who served as the Director of the IARC and as the 5th President of the Weizmann Institute of Science.

Dr. Keren Milner

Advisor: Prof. Yohai Kaspi, Department of Earth and Planetary Sciences

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The Ruth and Prof. Abraham (Edek) Blaugrund Prize

After joining the Weizmann Institute in the 1950's, Prof. Abraham Blaugrund made significant contributions to the field of plasma physics. The Ruth and Prof. Abraham (Edek) Blaugrund Prize was established by the Blaugrund family, and it is awarded to outstanding PhD students in Physics.

Mr. Gal Shavit

Advisor: Prof. Yuval Oreg, Department of Condensed Matter Physics

The Elchanan E. Bondi Memorial Prize

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

Dr. Ron Melcer

Advisor: Prof. Moty Heiblum, Department of Condensed Matter Physics

The Dov Elad Memorial Prize

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

Mr. Raz Slutsky

Advisor: Prof. Tsachik Gelander, Department of Mathematics

The Shimon Reich Memorial Prize

Prof. Shimon Reich died in 2010. Shimon was a professor in the Department of Materials and Interfaces, of the Faculty of Chemistry, at the Weizmann Institute of Science for forty years.

Dr. Noam Bar

Advisor: Prof. Eran Segal, Department of Computer Science and Applied Mathematics

Dr. Michael Jaroszewicz

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

Prizes for outstanding PhD students

The Gad Resheff Memorial Prize

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. Gad was a doctoral student in the Department of Biophysics.

Mr. Julius Gemen

Advisor: Prof. Rafal Klajn, Department of Molecular Chemistry and Materials Science

The Giora Yoel Yashinski Memorial Prize

Giora Yoel Yashinski was killed in action in 1971 in an air force plane that crashed on the Sinai coast. Giora completed his studies towards a Master's Degree in the Department of Chemical Physics.

Dr. Nava Reznik

Advisor: Prof. Deborah Fass, Department of Chemical and Structural Biology

The Daniel Brenner Memorial Prize

Daniel Brenner was killed during the 1982 Lebanon War: Operation Peace for Galilee in the Battle of Sidon. Daniel was a doctoral student in the Department of Chemical Physics.

Mr. Amichay Afriat

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

The Lady Anne Chain Memorial Prize

Lady Anne Chain was a noted researcher and friend of the Weizmann Institute of Science for many years.

Dr. Nir Cohen

Advisor: Prof. Maya Schuldiner, Department of Molecular Genetics

The Esther Hellinger Memorial Prize

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

Ms. Yael Oran

Advisor: Prof. Ilan Lampl, Department of Brain Sciences

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The Haim Holtzman Memorial Prize

Haim Holtzman was killed in 1969. Haim was an air force pilot. He died while trying to land his burning plane, beyond the residential area of northern Rehovot.

Ms. Rony Chanoch

Advisor: Dr. Itay Tirosh, Department of Molecular Cell Biology

The Menashe Milo Memorial Prize

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

Ms. Maya Ron

Advisor: Prof. Igor Ulitsky, Department of Immunology and Regenerative Biology

The Lonia and Jose Roth Memorial Prize

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

Dr. Sarah Rubin

Advisor: Prof. Elazar Zelzer, Department of Molecular Genetics

The Dean's Prize for PhD Students

Mr. Elyasheev Leibtag

Advisor: Prof. Uri Bader, Department of Mathematics

Prizes for outstanding MSc students

The Susan Sapir Memorial Prize for MSc students

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

Mr. Raz Ben-Uri
Advisor: Dr. Leeat Yankielowicz-Keren, Department of Molecular Cell Biology

The Dean's Prize for outstanding MSc students

Mr. Tomer Amit
Advisor: Dr. Sivan Refaely-Abramson, Department of Molecular Chemistry and Materials Science

Mr. Michael Glasner
Advisor: Prof. Uri Bader, Department of Mathematics

Mr. Yotam Kadish
Advisor: Prof. Gregory Falkovich, Department of Physics of Complex Systems

Ms. Maya Levy Greenberg
Advisor: Prof. Ernesto Joselevich, Department of Chemical and Biological Physics

Mr. Amit Pando
Advisor: Prof. Nir Davidson, Department of Physics of Complex Systems

Ms. Maya May Salomon Hazut
Advisor: Dr. Michal Ramot, Department of Brain Sciences

Mr. Elad Tzalic
Advisor: Dr. Ran Tessler, Department of Computer Science and Applied Mathematics

Ms. Daniella Van Der Boom
Advisor: Dr. Doron Kushnir, Department of Biological Regulation

Mr. Omer Yaniv
Advisor: Prof. Shahar Dobzinski, Department of Computer Science and Applied Mathematics

Mr. David Schwerdt
Advisor: Prof. Vered Rom-Kedar, Department of Computer Science and Applied Mathematics

Competitive Fellowships for outstanding PhD students

Clore Scholars Program

Adams Fellowships Program

Azrieli Fellows program

Ariane de Rothschild Fellowship Program for Women

Israel Ministry of Science and Technology Fellowship Program

Israel Council for Higher Education and the Planning and Budgeting Committee Fellowship programs

Competitive Fellowships for outstanding MSc students

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David Lopatie Fellows Program

Israel Council for Higher Education and the Planning and Budgeting Committee Fellowship programs

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PhD Recipients

Dr. Amit Agrawal
Dr. Noa Aharon-Hefetz
Dr. Iakov Aizenberg
Dr. Michal Arie
Dr. Maor Asher
Dr. Matan Atzmon
Dr. Serkalem Ayanaw
Dr. Nitsan Bar
Dr. Noam Bar
Dr. Yinon Moise Bar-On
Dr. Daniela Ben-Tov
Dr. Mattias Birman
Dr. Rotem Broday-Dvir
Dr. Rachel Bruch
Dr. Dalit Carmi
Dr. Nir Cohen
Dr. Noy Cohen Saban
Dr. Tal Dahan-Meir
Dr. Oz Davidi
Dr. Agostina Di Pizio
Dr. Yiftach Divon
Dr. Diana Drago-Garcia
Dr. Ido Dromi
Dr. Tom Dror-Schwartz
Dr. Lee Drori
Dr. Yochai Edlitz
Dr. Tamir Eliav
Dr. Eshkol Eytan
Dr. Inbal Farkash Paskal
Dr. Vadim Fedyuk
Dr. Tal Feldman
Dr. Yaara Finkel
Dr. Leviel Fluhr
Dr. Alexander Genzelinakh
Dr. Omri Gilhar
Dr. Gily Ginosar
Dr. Gil Goffer
Dr. Jonathan Gropp
Dr. Renan Gross
Dr. Niv Haim
Dr. Olga Halfin
Dr. Tal Havkin Solomon
Dr. Meta Heidenreich
Dr. Ori Heyman
Dr. Jagoda Jablonska
Dr. Michael Jaroszewicz
Dr. Aaron Javitt
Dr. Gabriel Javitt
Dr. Yair Judkovsky
Dr. Mor Kenigsbuch
Dr. Dan Klein
Dr. Shelley Klompus
Dr. Aditya Kshirsagar
Dr. Julie Laffy
Dr. Avner Leshem
Dr. Eyal Leviatan
Dr. Rosalie Lipsh
Dr. Gur Lubin
Dr. Gilad Margalit
Dr. Baruch Margulis
Dr. Svetlana Markman
Dr. Sedi Medina
Dr. Zohar Meir
Dr. Oran Melanker
Dr. Ron Melcer
Dr. Matan Menahem
Dr. Adi Millman
Dr. Keren Milner
Dr. Avraham Moriel
Dr. Saptaparna Mukherjee
Dr. Debakshi Mullick
Dr. Liat Nakar
Dr. Tanya Nazaretsky
Dr. Nurit Papismadov
Dr. Sigal Peled-Leviatan
Dr. Daniel Petukhin
Dr. Ricardo Pinto Enes Martinho
Dr. Ouri Poupko
Dr. Harikrishnan Rajendran
Dr. Tamar Reitich-Stolero
Dr. Efrat Resnick
Dr. Nava Reznik
Dr. Ori Roethler
Dr. Lior Roitman
Dr. Jonathan Emanuel Ron
Dr. Gili Rosenberg
Dr. Sarah Rubin
Dr. Chandamita Saikia
Dr. Golokesh Santra
Dr. Kakali Santra
Dr. Arunachalam Sekar
Dr. Ron Sender
Dr. Aviv Shalit
Dr. Oren Shatz
Dr. Michal Shavit
Dr. Liron Sheintuch
Dr. Jonathan Shlomi
Dr. Raman Singh
Dr. Tomer Solberg
Dr. Didi-Andreas Song
Dr. Reut Stahi-Hitin
Dr. Serafima Stroganov
Dr. Alona Strugatski Faktor
Dr. Ichiko Sugiyama
Dr. Asya Svirinovsky
Dr. Tal Tamir
Dr. Livia Testa
Dr. Maxim Varenik
Dr. Eran Vos
Dr. Huanhuan Wang
Dr. Nancy - Sarah Yacovzada
Dr. Adam Yalin
Dr. Ran Yehuda
Dr. Eran Zafrani
Dr. Iris Daphne Zelnik
Dr. Meytar Zemer Schocken
Dr. Naama Zioni
Dr. Guy Zoltsman

ד"ר מאור אשר
Dr. Maor Asher

המחלקה לפיסיקה כימית וביולוגית
בהדרכת ד"ר עומר יפה

Department of Chemical and Biological Physics
Advisor: Dr. Omer Yaffe

Thesis:
Specific phonon coupling in organic semiconductors

ד"ר מיכל אריה
Dr. Michal Arie

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת פרופ' עמי נבון

Department of Immunology and Regenerative Biology
Advisor: Prof. Ami Navon

Thesis:
Mutating a conserved phenylalanine residue reveals structure-function relationship within the AAA ATPase complex p97/Cdc48

ד"ר תמיר אליאב
Dr. Tamir Eliav

המחלקה למדעי המוח
בהדרכת פרופ' נחום אולנובסקי

Department of Brain Sciences
Advisor: Prof. Nachum Ulanovsky

Thesis:
Nonoscillatory phase coding and multiscale representation of very large environments in the bat hippocampus

ד"ר נועם בר
Dr. Noam Bar

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' ערן סגל

Department of Computer Science and Applied Mathematics
Advisor: Prof. Eran Segal

Thesis:
Mining the uncharted variability landscape of multifactorial diseases

ד"ר דניאלה בן טוב
Dr. Daniela Ben-Tov

המחלקה למדעי הצמח והסביבה
בהדרכת פרופ' אברהם לוי

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

Thesis:
The fate of DNA DSBs in somatic cells: From induction to repair

ד"ר מתיאס בירמן
Dr. Mattias Birman

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת ד"ר שקמה ברסלר

Department of Particle Physics and Astrophysics
Advisor: Dr. Shikma Bressler

Thesis:
Data-driven searches for physics beyond the Standard Model in high energy collision data using the emu-symmetry method

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ד"ר נועה אהרון-חפץ
Dr. Noa Aharon-Hefetz

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' יצחק פלפל

Department of Molecular Genetics
Advisor: Prof. Yitzhak Pilpel

Thesis:
Deciphering the role of translation supply and demand in human physiology

ד"ר יוחאי אדליץ
Dr. Yochai Edlitz

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' ערן סגל

Department of Computer Science and Applied Mathematics
Advisor: Prof. Eran Segal

Thesis:
Research of genetics and environmental factors impact on disease onset

ד"ר עמית אגרוול
Dr. Amit Agrawal

המחלקה לביולוגיה מולקולרית של התא
בהדרכת פרופ' ולרי קריזנובסקי

Department of Molecular Cell Biology
Advisor: Prof. Valery Krizhanovsky

Thesis:
The role of immune system in maintenance of homeostasis of senescent cells

ד"ר אשכול איתן
Dr. Eshkol Eytan

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' אילן קורן

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

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

ד"ר סרקאלם איינאו
Dr. Serkalem Ayanaw

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת פרופ' סטפן יונג

Department of Immunology and Regenerative Biology
Advisor: Prof. Steffen Jung

Thesis:
Defining cell-type specific Stat3 enhancers and their role in IBD development

ד"ר יעקב אייזנברג
Dr. Iakov Aizenberg

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' אלכסנדר מילוב

Department of Particle Physics and Astrophysics
Advisor: Prof. Alexander Milov

Thesis:
Search for the heavy ion physics signatures in small collision systems with the ATLAS detector at the LHC

ד"ר גילי גינוסר
Dr. Gily Ginosar

המחלקה למדעי המוח
בהדרכת פרופ' נחום אולנובסקי

Department of Brain Sciences
Advisor: Prof. Nachum Ulanovsky

Thesis:
3D space in the mammalian brain: Neuronal representation in flying bats and spatial perception in humans

ד"ר עמרי גילהר
Dr. Omri Gilhar

המחלקה למדעי הצמח והסביבה
בהדרכת פרופ' אסף אהרוני
ד"ר אילנה קולודקין-גל

Department of Plant and Environmental Sciences
Advisors: Prof. Asaph Aharoni
Dr. Ilana Kolodkin-Gal

Thesis:
Arabidopsis thaliana induces multigenerational stress tolerance and increased competitiveness in the symbiotic bacterium Bacillus subtilis

ד"ר גיל גופר
Dr. Gil Goffer

המחלקה למתמטיקה
בהדרכת פרופ' יצחק גלנדר

Department of Mathematics
Advisor: Prof. Tsachik Gelander

Thesis:
On invariable generation in infinite groups and on groups of almost automorphisms of trees

ד"ר יונתן גרופ
Dr. Jonathan Gropp

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' איתי הלוי

Department of Earth and Planetary Sciences
Advisor: Prof. Itay Halevy

Thesis:
Modeling the stable isotopic composition of microbial methane

ד"ר רנן גרוס
Dr. Renan Gross

המחלקה למתמטיקה
בהדרכת פרופ' רונן אלדן

Department of Mathematics
Advisor: Prof. Ronen Eldan

Thesis:
Boolean functions and Brownian motion

ד"ר אלכסנדר גנזלינח
Dr. Alexander Genzelinakh

המחלקה לביולוגיה מולקולרית של התא
בהדרכת פרופ' אלדד צחור

Department of Molecular Cell Biology
Advisor: Prof. Eldad Tzahor

Thesis:
Dystrophic hearts use compensatory mechanisms to maintain normal tissue function in young mice

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ד"ר רותם ברודאי-דביר
Dr. Rotem Broday-Dvir

המחלקה למדעי המוח
בהדרכת פרופ' רפאל מלאך

Department of Brain Sciences
Advisor: Prof. Rafael Malach

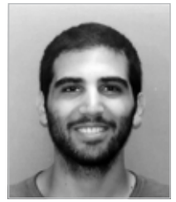
Thesis:
Neural mechanisms of internally and externally oriented cognitive states

ד"ר ינון מואיז בר-און
Dr. Yinon Moise Bar-On

המחלקה למדעי הצמח והסביבה
בהדרכת פרופ' רון מילוא

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

Thesis:
A quantitative view of the biosphere



ד"ר ניצן בר
Dr. Nitsan Bar

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' יוסף ניר
פרופ' כפיר בלום

Department of Particle Physics and Astrophysics
Advisors: Prof. Yosef Nir
Prof. Kfir Blum

Thesis:
Astrophysical probes of dark matter

ד"ר מיכאל ג'רסביץ
Dr. Michael Jaroszewicz

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' לוסיו פרידמן

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

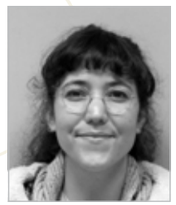
Thesis:
Advanced methods for nuclear magnetic resonance spectroscopy in liquids and solids

ד"ר אהרון ג'ביט
Dr. Aaron Javitt

המחלקה לאימונולוגיה מערכתית
בהדרכת פרופ' יפעת מרבל
פרופ' ניר פרידמן

Department of Systems Immunology
Advisors: Prof. Yifat Merbl
Prof. Nir Friedman

Thesis:
Investigating the effects of protein modification and degradation on cancer progression and immunogenicity



ד"ר רחל ברוך
Dr. Rachel Bruch

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' אבישי גל-ים

Department of Particle Physics and Astrophysics
Advisor: Prof. Avishay Gal-Yam

Thesis:
Observational study of infant Hydrogen rich supernovae circumstellar material interaction at early time and flash ionization features

ד"ר מטה היידנרייך
Dr. Meta Heidenreich

המחלקה לביולוגיה מבנית וכימית
בהדרכת פרופ' עמנואל לוי

Department of Chemical and Structural Biology
Advisor: Prof. Emmanuel Levy

Thesis:
Probing principles of protein self-assembly and proteome regulation through synthetic and systems biology in living cells

ד"ר לי דרורי
Dr. Lee Drori

המחלקה לפיסיקה של מערכות מורכבות
בהדרכת פרופ' עופר פירסטנברג

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

Thesis:
Quantum vortices of strongly interacting photons mediated by cold Rydberg atoms

ד"ר תם דרור-שוורץ
Dr. Tom Dror-Schwartz

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' אילן קורן

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

Thesis:
On the properties of greenCu: Continental, organized shallow clouds

ד"ר מקסים ורניק
Dr. Maxim Varenik

המחלקה לכימיה מולקולרית ומדע החומרים
בהדרכת פרופ' איגור לובומירסקי

Department of Molecular Chemistry and Materials Science
Advisor: Prof. Igor Lubomirsky

Thesis:
Electromechanical anomalies in anelastic ceramics

ד"ר הואנהואן וונג
Dr. Huanhuan Wang

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' דן יקיר

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

Thesis:
Linking ecophysiological processes to remote sensing signals of a semi-arid forest

ד"ר אורי הימן
Dr. Ori Heyman

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת ד"ר רועי אברהם

Department of Immunology and Regenerative Biology
Advisor: Dr. Roi Avraham

Thesis:
Paired single-cell host profiling with multiplex-tagged bacterial mutants reveals intracellular virulence-immune networks

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ד"ר אגוסטינה די פיזיו
Dr. Agostina Di Pizio

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' מייק פיינזילבר

Department of Biomolecular Sciences
Advisor: Prof. Mike Fainzilber

Thesis:
Stretch-induced growth in the nervous system

ד"ר עוז דוידי
Dr. Oz Davidi

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' גלעד פרז

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

Thesis:
Searches for new physics beyond the Standard Model

ד"ר טל דהן-מאיר
Dr. Tal Dahan-Meir

המחלקה למדעי הצמח והסביבה
בהדרכת פרופ' אברהם לוי

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

Thesis:
Temporal and spatial genetic diversity of a wild wheat population over 36 years

ד"ר עידו דרומי
Dr. Ido Dromi

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' צבי ליבנה

Department of Biomolecular Sciences
Advisor: Prof. Zvi Livneh

Thesis:
Molecular dissection of the translesion DNA synthesis (TLS) mechanism in mammalian embryonic stem cells

ד"ר דיאנה דרגו-גרסיה
Dr. Diana Drago-Garcia

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת פרופ' יוסף ירדן
פרופ' איתן דומאני

Department of Immunology and Regenerative Biology
Advisors: Prof. Yosef Yarden
Prof. Eytan Domany

Thesis:
Role of OVOL1 in breast cancer epithelial-mesenchymal transition and metastasis

ד"ר יפתח דיבון
Dr. Yiftach Divon

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' רועי חיים בר זיו

Department of Chemical and Biological Physics
Advisor: Prof. Roy Bar-Ziv

Thesis:
Towards an "artificial cell" – synthesis and assembly of multi-protein complexes on a chip

ד"ר ליביה טסטסה
Dr. Livia Testa

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' ג'פרי גרסט
פרופ' דוד ולך

Department of Molecular Genetics
Advisors: Prof. Jeffrey Gerst
Prof. David Wallach

Thesis:
Identifying additional regulators of Necroptosis affecting RIPK3 and MLKL

ד"ר טל טמיר
Dr. Tal Tamir

המחלקה למדעי המוח
בהדרכת פרופ' אלעד שניידמן

Department of Brain Sciences
Advisor: Prof. Elad Schneidman

Thesis:
Dynamics of neural representations in populations of neurons within and between multiple cortical regions

ד"ר אולגה חלפין
Dr. Olga Halfin

המחלקה לביולוגיה מבנית וכימית
בהדרכת פרופ' דוד מרגוליס

Department of Chemical and Structural Biology
Advisor: Prof. David Margulies

Thesis:
Artificial protein-protein communication with bifunctional molecules that exchange binding partners

ד"ר יאיר יודקובסקי
Dr. Yair Judkovsky

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' עודד אהרונסון

Department of Earth and Planetary Sciences
Advisor: Prof. Oded Aharonson

Thesis:
Orbital dynamics of extrasolar multi-planetary systems

ד"ר רן יהודה
Dr. Ran Yehuda

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' צבי ליבנה

Department of Biomolecular Sciences
Advisor: Prof. Zvi Livneh

Thesis:
Molecular analysis of translesion DNA synthesis under hypoxia

ד"ר יגודה יבלונסקה
Dr. Jagoda Jablonska

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' דן תופיק
פרופ' איתי הלוי

Department of Biomolecular Sciences
Advisors: Prof. Dan S. Tawfik
Prof. Itay Halevy

Thesis:
De novo emergence of enzymes in light of the major biogeochemical transitions

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ד"ר מיתר זמר שוקן
Dr. Meytar Zemer Schocken

המחלקה למדעי המוח
בהדרכת פרופ' יניב זיו

Department of Brain Sciences
Advisor: Prof. Yaniv Ziv

Thesis:
Neural representation of memory in the hippocampus and prefrontal cortex

ד"ר גיא זולצמן
Dr. Guy Zoltsman

המחלקה לביולוגיה מבנית וכימית
בהדרכת ד"ר רינה רוזנצוויג

Department of Chemical and Structural Biology
Advisor: Dr. Rina Rosenzweig

Thesis:
Conspiring with the enemy: A unique mechanism in Class A JDPs stabilizes oncogenic p53

ד"ר תומר זולברג
Dr. Tomer Solberg

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' עופר אהרוני

Department of Particle Physics and Astrophysics
Advisor: Prof. Ofer Aharony

Thesis:
Understanding higher-spin gravity and the Froissart bound through holography

ד"ר ניב חיים
Dr. Niv Haim

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' מיכל אירני

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

Thesis:
Training set reconstruction and single-video generation

ד"ר טל חבקין סולומון
Dr. Tal Havkin Solomon

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' רבקה דיקשטיין

Department of Biomolecular Sciences
Advisor: Prof. Rivka Dikstein

Thesis:
Selective translation control by 40S ribosomal proteins mRNA binding

ד"ר ערן זפרני
Dr. Eran Zafrani

המחלקה להוראת המדעים
בהדרכת פרופ' ענת ירדן

Department of Science Teaching
Advisor: Prof. Anat Yarden

Thesis:
Constraints and affordances for the implementation of dialogic argumentation in science classrooms

ד"ר רוזלי ליפש
Dr. Rosalie Lipsh

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' שראל פליישמן

Department of Biomolecular Sciences
Advisor: Prof. Sarel Fleishman

Thesis:
Design of enzyme repertoires

ד"ר איל לויתן
Dr. Eyal Leviatan

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת ד"ר דוד מרוס

Department of Particle Physics and Astrophysics
Advisor: Dr. David F. Mross

Thesis:
Bridging coupled-wire models and field theories of exotic phases and transitions

ד"ר גור לובין
Dr. Gur Lubin

המחלקה לפיסיקה של מערכות מורכבות
בהדרכת פרופ' דן אורון

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

Thesis:
Heralded spectroscopy: A new probe for nanocrystal multiexciton photophysics

ד"ר סדי מדינה
Dr. Sedi Medina

המחלקה למדעי המוח
בהדרכת פרופ' מיכל אייזנבך-שוורץ

Department of Brain Sciences
Advisor: Prof. Michal Schwartz

Thesis:
Deciphering non-neuronal cells contribution to Alzheimer's disease pathology using high throughput transcriptomic and proteomic methods

ד"ר זוהר מאיר
Dr. Zohar Meir

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' עמוס תנאי
פרופ' יובל אשד

Department of Computer Science and Applied Mathematics
Advisors: Prof. Amos Tanay
Prof. Yuval Eshed

Thesis:
Emergence and maintenance of epigenetic commitments in mammalian and plant cells

ד"ר אבנר לשם
Dr. Avner Leshem

המחלקה לאימונולוגיה מערכתית
בהדרכת פרופ' ערן אלינב

Department of Systems Immunology
Advisor: Prof. Eran Elinav

Thesis:
Host-microbiome interactions in inflammatory bowel disease and metabolic surgery

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ד"ר ניר כהן
Dr. Nir Cohen

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' מאיה שולדינר

Department of Molecular Genetics
Advisor: Prof. Maya Schuldiner

Thesis:
Cellular protein distribution: From protein topology and translocation to organelle communication and ultrastructure

ד"ר ננסי - שרה יעקובזדה
Dr. Nancy - Sarah Yacovzada

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' ערן הורנשטיין
פרופ' ערן סגל

Department of Molecular Genetics
Advisors: Prof. Eran Hornstein
Prof. Eran Segal

Thesis:
Machine Learning, multi-omics, and electronic health records for studying treatment response, and biomarkers for disease diagnosis and prognosis

ד"ר אדם ילין
Dr. Adam Yalin

המחלקה לאימונולוגיה מערכתית
בהדרכת פרופ' עידו עמית

Department of Systems Immunology
Advisor: Prof. Ido Amit

Thesis:
Dissecting the immune system complexity in tumors and pregnancy: From resistance pathways to mechanisms governing immunotherapy success

ד"ר ג'ולי לאפי
Dr. Julie Laffy

המחלקה לביולוגיה מולקולרית של התא
בהדרכת ד"ר איתי תירוש

Department of Molecular Cell Biology
Advisor: Dr. Itay Tirosh

Thesis:
Dissecting high-grade gliomas by single-cell RNA-sequencing

ד"ר דלית כרמי
Dr. Dalit Carmi

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' צבי ליבנה

Department of Biomolecular Sciences
Advisor: Prof. Zvi Livneh

Thesis:
Analysis of the division of labor between translesion DNA synthesis and homology-dependent repair in embryonic stem cells

ד"ר נוי כהן סבן
Dr. Noy Cohen Saban

המחלקה לאימונולוגיה מערכתית
בהדרכת ד"ר רוני דהן

Department of Systems Immunology
Advisor: Dr. Rony Dahan

Thesis:
Fc glycoengineered PD-L1 antibody harnesses FcRs for increased antitumor efficacy

ד"ר ברוך מרגוליס
Dr. Baruch Margulis

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' אדוארדס נרייביצ'יוס
פרופ' אורן טל

Department of Chemical and Biological Physics
Advisors: Prof. Ed Narevicius
Prof. Oren Tal

Thesis:
Tomography of Feshbach resonance states

ד"ר מתן מנחם
Dr. Matan Menahem

המחלקה לפיסיקה כימית וביולוגית
בהדרכת ד"ר עומר יפה

Department of Chemical and Biological Physics
Advisor: Dr. Omer Yaffe

Thesis:
Lattice dynamics and Raman scattering in perovskite single crystals

ד"ר רון מלצר
Dr. Ron Melcer

המחלקה לפיסיקה של חומר מעובה
בהדרכת פרופ' מוטי הייבלום

Department of Condensed Matter Physics
Advisor: Prof. Moty Heiblum

Thesis:
The quantum thermal Hall effect

ד"ר טניה נזרצקי
Dr. Tanya Nazaretsky

המחלקה להוראת המדעים
בהדרכת ד"ר גיורא אלכסנדרון

Department of Science Teaching
Advisor: Dr. Giora Alexandron

Thesis:
Learning analytics for personalization in blended learning environments for science teaching

ד"ר סבטלנה מרקמן
Dr. Svetlana Markman

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' אלעזר זלצר

Department of Molecular Genetics
Advisor: Prof. Elazar Zelzer

Thesis:
Single-cell atlas of mouse limb development reveals a complex spatiotemporal dynamics of skeleton formation

ד"ר גלעד מרגלית
Dr. Gilad Margalit

המחלקה לפיסיקה של חומר מעובה
בהדרכת פרופ' יובל אורג
פרופ' בינגהיי יאן

Department of Condensed Matter Physics
Advisors: Prof. Yuval Oreg
Prof. Binghai Yan

Thesis:
New directions for topological superconductivity in 2D

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ד"ר אברהם מוריאל
Dr. Avraham Moriel

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' ערן בוכבינדר

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

Thesis:
Mechanically-induced structural and geometrical changes in complex systems: From glasses to tissues

ד"ר ספטפרנה מוקהרג'י
Dr. Saptaparna Mukherjee

המחלקה לביולוגיה מולקולרית של התא
בהדרכת פרופ' משה אורן

Department of Molecular Cell Biology
Advisor: Prof. Moshe Oren

Thesis:
Understanding the impact of p53 mutations by interrogating its protein interacting network

ד"ר דבקשי מוליק
Dr. Debakshi Mullick

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' מיכאל אלבאום

Department of Chemical and Biological Physics
Advisor: Prof. Michael Elbaum

Thesis:
Ultrastructural investigation of essential cellular processes in Plasmodium falciparum using Cryo-STEM Tomography (CSTET)

ד"ר אורן מלאנקר
Dr. Oran Melanker

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' גדעון שרייבר

Department of Biomolecular Sciences
Advisor: Prof. Gideon Schreiber

Thesis:
The evolution of non-specific protein-protein interactions

ד"ר קרן מילנר
Dr. Keren Milner

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' יוחאי כספי

Department of Earth and Planetary Sciences
Advisor: Prof. Yohai Kaspi

Thesis:
Deep atmospheric jets and circulation on giant planets

ד"ר עדי מילמן
Dr. Adi Millman

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' רותם שורק

Department of Molecular Genetics
Advisor: Prof. Rotem Sorek

Thesis:
Uncovering the bacterial defense arsenal

ד"ר ראמאן סינג
Dr. Raman Singh

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' ג'פרי גרסט

Department of Molecular Genetics
Advisor: Prof. Jeffrey Gerst

Thesis:
Specialized ribosomes and their control of yeast cell physiology

ד"ר אלונה סטרוגצקי פקטור
Dr. Alona Strugatski Faktor

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' שמעון אולמן

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

Thesis:
Producing structural descriptions for images by guided sequential bottom-up-top-down processing

ד"ר סרפימה סטרוגנוב
Dr. Serafima Stroganov

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת פרופ' מיכל נאמן

Department of Immunology and Regenerative Biology
Advisor: Prof. Michal Neeman

Thesis:
The role of the placenta in oxygen transport during gestation and embryo development

ד"ר קאקאלי סנטרה
Dr. Kakali Santra

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' רון נעמן
פרופ' אורן טל

Department of Chemical and Biological Physics
Advisors: Prof. Ron Naaman
Prof. Oren Tal

Thesis:
Spin-Dependent interactions of chiral molecules with ferromagnetic substrates

ד"ר גולוקש סנטרה
Dr. Golokesh Santra

המחלקה לכימיה מולקולרית ומדע החומרים
בהדרכת פרופ' גרשום מרטין

Department of Molecular Chemistry and Materials Science
Advisor: Prof. Gershom Martin

Thesis:
Next-generation 'Fifth-Rung' density functional methods for general chemistry, molecular spectroscopy, homogenous catalysis, and chemical biology

ד"ר רון סנדר
Dr. Ron Sender

המחלקה למדעי הצמח והסביבה
בהדרכת פרופ' רון מילוא

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

Thesis:
A quantitative view of the cells in the human body

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ד"ר איציקו סוגיאמה
Dr. Ichiko Sugiyama

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' איתי הלוי

Department of Earth and Planetary Sciences
Advisor: Prof. Itay Halevy

Thesis:
Exploring the effects of ferrihydrite and green rust on metal and phosphate budgets in modern and ancient environments

ד"ר צ'נדמיטה סאיקיה
Dr. Chandamita Saikia

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' איתן ראובני

Department of Biomolecular Sciences
Advisor: Prof. Eitan Reuveny

Thesis:
Peptide toxins as a tool to explore ion channel structure and function

ד"ר ליאת נקר
Dr. Liat Nakar

המחלקה להוראת המדעים
בהדרכת פרופ' מיכל ארמוני

Department of Science Teaching
Advisor: Prof. Michal Armoni

Thesis:
Pattern-oriented instruction, its practical application, and the connection to various manifestations of abstraction in computer science

ד"ר רעות סטאחי-חיטין
Dr. Reut Stahi-Hitin

המחלקה להוראת המדעים
בהדרכת פרופ' ענת ירדן

Department of Science Teaching
Advisor: Prof. Anat Yarden

Thesis:
Religious tensions surrounding evolution education in Israel: Experiences and thoughts from the field

ד"ר דידי אנדרס סונג
Dr. Didi-Andreas Song

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' מייק פיינזילבר

Department of Biomolecular Sciences
Advisor: Prof. Mike Fainzilber

Thesis:
Axonuclear signaling in neuronal growth and regeneration.

ד"ר אסיה סווירינובסקי
Dr. Asya Svirinovsky

המחלקה לכימיה מולקולרית ומדע החומרים
בהדרכת ד"ר מיכל לסקס

Department of Molecular Chemistry and Materials Science
Advisor: Dr. Michal Leskes

Thesis:
Pushing the envelope of high field DNP-NMR methodology towards functional materials

ד"ר סיגל פלד-לויתן
Dr. Sigal Peled-Leviatan

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' ערן סגל
ד"ר לירן שלוש

Department of Computer Science and Applied Mathematics
Advisors: Prof. Eran Segal
Dr. Liran Shlush

Thesis:
Computational methods for analyzing the interaction of the human microbiome and the immune system

ד"ר יערה פינקל
Dr. Yaara Finkel

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' נעם שטרן-גינוסר

Department of Molecular Genetics
Advisor: Prof. Noam Stern-Ginossar

Thesis:
Mapping functional components of viral infection

ד"ר ריקרדו פינטו אנס מרטינו
Dr. Ricardo Pinto Enes Martinho

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' לוסיו פרידמן

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

Thesis:
Development and application of novel Magnetic Resonance techniques to enhance detection of metabolites in vitro and in vivo

ד"ר נורית פפיסמדוב
Dr. Nurit Papismadov

המחלקה לביולוגיה מולקולרית של התא
בהדרכת פרופ' ולרי קריזנובסקי

Department of Molecular Cell Biology
Advisor: Prof. Valery Krizhanovsky

Thesis:
p21 regulates the extracellular microenvironment of senescent cells and promotes lung fibrosis

ד"ר לביאל פלור
Dr. Leviel Fluhr

המחלקה לאימונולוגיה מערכתית
בהדרכת פרופ' ערן אלינב

Department of Systems Immunology
Advisor: Prof. Eran Elinav

Thesis:
The role of the gut microbiome in post-smoking weight gain

ד"ר טל פלדמן
Dr. Tal Feldman

המחלקה לביולוגיה מבנית וכימית
בהדרכת פרופ' דבורה פאס

Department of Chemical and Structural Biology
Advisor: Prof. Deborah Fass

Thesis:
The function of Quiescin Sulfhydryl Oxidase 1 (QSOX1) in Cancer

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ד"ר ואדים פדיוק
Dr. Vadim Fedyuk

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת ד"ר אפרת שמע-יעקבי

Department of Immunology and Regenerative Biology
Advisor: Dr. Efrat Shema

Thesis:
Multiplexed single-molecule epigenetic analysis of plasma-isolated nucleosomes for cancer diagnostics

ד"ר מתן עצמון
Dr. Matan Atzmon

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' ירון ליפמן

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

Thesis:
Learning algorithms for shape analysis and shape synthesis

ד"ר ארונצ'לאם סקאר
Dr. Arunachalam Sekar

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת פרופ' יוסף ירדן

Department of Immunology and Regenerative Biology
Advisor: Prof. Yosef Yarden

Thesis:
Prostate cancer: Therapeutic targeting of the glucocorticoid receptor in TMPRSS2-ERG fusion positive tumors

ד"ר דניאל פטוחין
Dr. Daniel Petukhin

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' אורן טל

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

Thesis:
Pure spin current and magnetism in atomic scale conductors

ד"ר אורי פופקו
Dr. Ouri Poupko

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' אהוד שפירא
ד"ר טלמון נימרוד

Department of Computer Science and Applied Mathematics
Advisors: Prof. Ehud Shapiro
Dr. Nimrod Talmon

Thesis:
Computational foundations of decentralized internet-enabled governance

ד"ר ערן פוס
Dr. Eran Vos

המחלקה למדעי כדור הארץ וכוכבי הלכת
בהדרכת פרופ' עודד אהרונסון

Department of Earth and Planetary Sciences
Advisor: Prof. Oded Aharonson

Thesis:
Late amazonian physical and chemical evolution of the martian ice reservoirs

ד"ר שרה רובין
Dr. Sarah Rubin

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' אלעזר זלצר

Department of Molecular Genetics
Advisor: Prof. Elazar Zelzer

Thesis:
Application of 3D MAPs pipeline identifies the morphological sequence chondrocytes undergo and the regulatory role of GDF5 in this process

ד"ר הריקרישנאן רג'נדרן
Dr. Harikrishnan Rajendran

המחלקה לפיסיקה של מערכות מורכבות
בהדרכת פרופ' עפר פינרמן

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

Thesis:
Dynamics of nest selection and construction by Camponotus ants

ד"ר אדיטיה קשירסגר
Dr. Aditya Kshirsagar

המחלקה לגנטיקה מולקולרית
בהדרכת פרופ' אורלי ריינר

Department of Molecular Genetics
Advisor: Prof. Orly Reiner

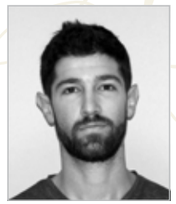
Thesis:
LIS1 RNA binding orchestrates the mechanosensitive properties at the WNT-RISC axis.

ד"ר ליאור רויטמן
Dr. Lior Roitman

המחלקה לביולוגיה מולקולרית של התא
בהדרכת פרופ' ולרי קריזנובסקי

Department of Molecular Cell Biology
Advisor: Prof. Valery Krizhanovsky

Thesis:
Senescent cells promote tumorigenesis and affect behavior



ד"ר אורי רוטלר
Dr. Ori Roethler

המחלקה למדעי המוח
בהדרכת ד"ר איבו שפיגל

Department of Brain Sciences
Advisor: Dr. Ivo Spiegel

Thesis:
The neurobiological function of experience-regulated genomic enhancers: From transcriptional mechanisms to control over synaptic plasticity and sensory processing

ד"ר גילי רוזנברג
Dr. Gili Rosenberg

המחלקה לאימונולוגיה ורגנרציה ביולוגית
בהדרכת ד"ר רועי אברהם

Department of Immunology and Regenerative Biology
Advisor: Dr. Roi Avraham

Thesis:
Adaptation of Salmonella Typhimurium to macrophage metabolic reprogramming during host-pathogen interaction

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ד"ר איריס דפנה צלניק
Dr. Iris Daphne Zelnik

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' טוני פוטרמן

Department of Biomolecular Sciences
Advisor: Prof. Tony Futerman

Thesis:
Insights into the structure of Ceramide Synthases (CerS)

ד"ר נעמה ציוני
Dr. Naama Zioni

המחלקה לביולוגיה מולקולרית של התא
בהדרכת ד"ר לירן שלוש

Department of Molecular Cell Biology
Advisor: Dr. Liran Shlush

Thesis:
Inflammatory signals from fatty bone marrow supports the early stages of DNMT3a driven clonal hematopoiesis

ד"ר ענבל פרקש פסקל
Dr. Inbal Farkash Paskal

המחלקה לאימונולוגיה מערכתית
בהדרכת ד"ר רוני דהן

Department of Systems Immunology
Advisor: Dr. Rony Dahan

Thesis:
Role and structure of antibodies' Fc in cancer, vaccination, and infection with COVID-19

ד"ר מור קניגסבוך
Dr. Mor Kenigsbuch

המחלקה למדעי המוח
בהדרכת פרופ' מיכל אייזנבך-שוורץ
פרופ' עידו עמית

Department of Brain Sciences
Advisors: Prof. Michal Schwartz
Prof. Ido Amit

Thesis:
Deciphering non-neuronal cells fate in Alzheimer's disease by next- generation transcriptomics

ד"ר דן קליין
Dr. Dan Klein

המחלקה לפיסיקה של חומר מעובה
בהדרכת ד"ר קרן מיכאלי

Department of Condensed Matter Physics
Advisor: Dr. Karen Michaeli

Thesis:
Spin selective transport through chiral molecules and thermoelectric applications

ד"ר שלי קלומפוס
Dr. Shelley Klompus

המחלקה למדעי המחשב ומתמטיקה שימושית
בהדרכת פרופ' ערן סגל

Department of Computer Science and Applied Mathematics
Advisor: Prof. Eran Segal

Thesis:
Unraveling the antibody-mediated immune response against gut microbiota

ד"ר אביב שליט
Dr. Aviv Shalit

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' גלעד פרז

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

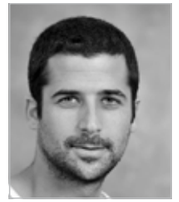
Thesis:
Aspects of CP violation and ultra-light dark matter physics

ד"ר יונתן שלומי
Dr. Jonathan Shlomi

המחלקה לפיסיקה של חלקיקים ואסטרופיסיקה
בהדרכת פרופ' עילם גרוס

Department of Particle Physics and Astrophysics
Advisor: Prof. Eilam Gross

Thesis:
Constraining the Higgs coupling to charm quarks with the ATLAS detector at the LHC



ד"ר לירון שינטוך
Dr. Liron Sheintuch

המחלקה למדעי המוח
בהדרכת פרופ' יניב זיו

Department of Brain Sciences
Advisor: Prof. Yaniv Ziv

Thesis:
Emergent collective coding properties in hippocampal neuronal population activity

ד"ר אורן שץ
Dr. Oren Shatz

המחלקה למדעים ביומולקולריים
בהדרכת פרופ' זבולון אלעזר

Department of Biomolecular Sciences
Advisor: Prof. Zvulun Elazar

Thesis:
Balanced activity of Atg2 and Atg24 regulates opening of the autophagic isolation membrane rim

Weizmann Institute of Science | Feinberg Graduate School | PhD Recipients **2023 Graduates**

ד"ר נאוה רזניק
Dr. Nava Reznik

המחלקה לביולוגיה מבנית וכימית
בהדרכת פרופ' דבורה פאס

Department of Chemical and Structural Biology
Advisor: Prof. Deborah Fass

Thesis:
The role of mucins in copper homeostasis

ד"ר אפרת רזניק
Dr. Efrat Resnick

המחלקה לביולוגיה מבנית וכימית
בהדרכת פרופ' ניר לונדון

Department of Chemical and Structural Biology
Advisor: Prof. Nir London

Thesis:
Novel covalent technologies for challenging protein targets

ד"ר יונתן עמנואל רון
Dr. Jonathan Emanuel Ron

המחלקה לפיסיקה כימית וביולוגית
בהדרכת פרופ' ניר גוב

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

Thesis:
One dimensional cell motility patterns

ד"ר מיכל שביט
Dr. Michal Shavit

המחלקה לפיסיקה של מערכות מורכבות
בהדרכת פרופ' גרגורי פלקוביץ

Department of Physics of Complex Systems
Advisor: Prof. Gregory Falkovich

Thesis:
Vortices, waves and models of hydrodynamic type

ד"ר גבריאל שביט
Dr. Gabriel Javitt

המחלקה לביולוגיה מבנית וכימית
בהדרכת פרופ' דבורה פאס

Department of Chemical and Structural Biology
Advisor: Prof. Deborah Fass

Thesis:
Disulfide bonding in protein complex assembly and in enzyme electron Transfer Reactions

ד"ר תמר רייטיש-סטולרו
Dr. Tamar Reitich-Stolero

המחלקה למדעי המוח
בהדרכת פרופ' רוני פז

Department of Brain Sciences
Advisor: Prof. Rony Paz

Thesis:
Valence-based learning in primate amygdala single-neurons

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MSc Recipients

Dan Aizik
Tomer Amit
Leah Amit
Michal Amrani
Mark Aperstein
Sivan Arad
Michal Arieli
Ron Asherov
Noam Avidan
Asad Awadallah
Danielle Amit Awaskar
Nofar Azulay
Avshalom Badash
Chaya Barbolin
Shahar Barkai
Gilad Ben Uziahu
Eynav Ben Zikry
Raz Ben-Uri
Linor Bengal
Elisheva Berent-Barzel
Einav Berin
Ori Berman
Yacov Nir Breitstein
Max Bringmann
Dror Brook
Itamar Burger
Petro Busko
Edaan Byle
Daniel Chausovsky
Benjamin Cohen
Stav Dan
Elad David
Yalin Divinsky
Svetlana Doroshev (Maslov)
Ameera Egbaria
Gal Elyasaf
Dror Ettlinger
Aliza Fedorenko
Oz Frank
Nadav Frenkel
Noga Frenkel
Elad Gaver
Chaim Giladi
Atar Gilat
Liad Glanz
Tali Goldman
Tom Gome
Natan Gordon
Sharon Grinstein
Tal Hadad
Tsofnat Hagin Metzer
Sergey Hazanov
Ella Herzog
Idan Hochner
Yahel Horowicz
Ziv Huppert
Shahaf Igelka Oren
Neta Ilan
Achinoam Isaacson
Noya Itzhak
Nir Joffe
Dana Joffe
Carine Joubran
Yotam Kadish
Rishir Kalepu
Itamar Karbi
Bar Karov
David Kenigsberger
Alisa Kinzel
Edo Kiper
Shai Kiriati
Noy Klaider
Jonathan Kogman
Yasmin L Bohak
Ben Labbel
Maayan Lavie
Michal Levi
Maya Levy Greenberg
Michael Majer
Tahel Malka
Dvij Mankad
Naama Meller
Ilya Merkulov
Orr Avi Meron
Heloise Mimoun Weiss
Vladimir Mindel
Sameeha Mittwali
Hanan Mordechai
Roye More
Natasha Morris Barth
Ron Mosenzon
Shiri Moshe
Noa Anna Nairner
Yohai Nirenberg
Orin Noori Malka
Tomer Novikov
Shimon Nowik
Yael Noy
Chen Ochayon Tal
Dolev Ofri-Amar
Yuval Oren
Noam Ottolenghi
Amit Pando
Keshav Pareek
Lior Peer
Asaf Petruschka
Victoria Poltorak
Alon Ephraim Rapaport
Daria Raspopova
Ofir Raz
Yael Rich
Oren Richter
Omri Ron
Noa Rosenthal
Omri Rosner
Vered Rousso
Mai Sadeh
Maya May Salomon Hazut
Tamir Scherf
Shakked Schwartz
Natasha Segal Ben Isti
Dan Segev
Shoshana Sernik
Miriam Sernik
Talia Shaler
Bat-Or Shalom
Neta Shaul
Nofar Shemen
Ben Shenhar
Arie Shkolnikov
Yael Shtechman
Avner Shultzman
Lior David Silberberg
Yoel Silverman
Yakim Silverman
Ayshi Sindiani-Bsoul
Tal Skverer
Yahel Sofer Rimalt
Yuval Waserman
Roni Stok
Guy Tadmor
Eyal Toutian
Narek Tumanyan
Elad Tzalik
Daniella van der Boom
Phillip Vershinin
Yeari Vigder
Guy Voscoboynik
Nathan Wainstein
Yuval Steinberg
Tal Wasserman
Navve Wasserman
Meir Weissman
Tal Weizman
Chen Weller
Shira Werman
Eli Windwer
Yotam Wolf
Sapir Wolff
Jiewen Xiao
Noa Yaffe
Nadav Yahalom
Omer Yaniv
Paz Yedidim
Sapir Yevdayev
Ohad Yogev
Itay Yona
Shiri Zaltzman
Michal Zamberg Elad
Marlon Steven Zambrano Mila
Irad Zehavi
Arieh Zimmerman
Jonathan Zin
Leith Znaimer

נעם אבידן
Noam Avidan

המחלקה למתמטיקה ומדעי המחשב
בהדרכת ד"ר רתם ארנון פרידמן

Department of Mathematics and Computer Science
Advisor: Dr. Rotem Arnon Friedman

Thesis:
Partition and Glue: Conditional max-entropy lower bound for conditional min-entropy

דניאל עמית אבסקאר
Danielle Amit Awaskar

המחלקה למדעי הכימיה
בהדרכת פרופ' איגור לובומירסקי
פרופ' מאיר להב

Department of Chemical Sciences
Advisors: Prof. Igor Lubomirsky
Prof. Meir Lahav

Thesis:
Electro-freezing of super-cooled water within electrolytic cells

אמירה אגבאריה
Ameera Egbaria

המחלקה למדעי החיים
בהדרכת פרופ' איגור אוליצקי

Department of Life Sciences
Advisor: Prof. Igor Ulitsky

Thesis:
The effect of different viral proteins on the nuclear export of long RNAs

נופר אזולאי
Nofar Azulay

המחלקה למדעי החיים
בהדרכת ד"ר ליאת פני ינקלביץ קרן

Department of Life Sciences
Advisor: Dr. Leeat Yankielowicz-Keren

Thesis:
Establishment of computational pipeline for the analysis of MIBI-TOF images of acute graft versus host disease

דרור אטלינגר
Dror Ettlinger

המחלקה למדעי הכימיה
בהדרכת פרופ' בריאן ברקוביץ

Department of Chemical Sciences
Advisor: Prof. Brian Berkowitz

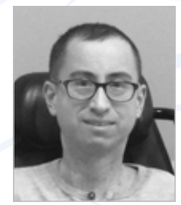
Thesis:
Modeling and quantification of water flow and chemical transport in integrated catchment-groundwater systems

שחף איגלקה אורן
Shahaf Igelka Oren

המחלקה למדעי החיים
בהדרכת פרופ' סטפן יונג

Department of Life Sciences
Advisor: Prof. Steffen Jung

Thesis:
Characterization of pathogenic Th17 cell differentiation following EAE induction and definition of the cellular source of IL-23



חן אוחיון טל
Chen Ochayon Tal

המחלקה למדעי החיים
בהדרכת פרופ' אסף אהרוני

Department of Life Sciences
Advisor: Prof. Asaph Aharoni

Thesis:
Deciphering the role of acylsucrose acyltransferase 4 and his paralog genes in root exudation from Solanum lycopersicum roots and the impact on microbial community dynamics

נועם אוטולנגי
Noam Ottolenghi

המחלקה למדעי הפיסיקה
בהדרכת פרופ' דוד טנור

Department of Physical Sciences
Advisor: Prof. David Tannor

Thesis:
Complex trajectory simulation of high harmonic generation: Reconstruction of the Coulomb ground state

יובל אורן
Yuval Oren

המחלקה למדעי החיים
בהדרכת פרופ' עמי נבון

Department of Life Sciences
Advisor: Prof. Ami Navon

Thesis:
Targeting LC3 by small molecules; From virtual screen to cell-based validation

אחינועם איזקסון
Achinoam Isaacson

המחלקה למדעי החיים
בהדרכת ד"ר רות שרץ-שובל

Department of Life Sciences
Advisor: Dr. Ruth Scherz-Shouval

Thesis:
RARRES2 is a novel cancer-associated fibroblast protein that affects macrophages in breast cancer

דן אייזיק
Dan Aizik

המחלקה למדעי החיים
בהדרכת פרופ' סטפן יונג

Department of Life Sciences
Advisor: Prof. Steffen Jung

Thesis:
Investigating murine monocyte heterogeneity in homeostasis and following challenge

נטע אילן
Neta Ilan

המחלקה למדעי הפיסיקה
בהדרכת ד"ר יובל רונן

Department of Physical Sciences
Advisor: Dr. Yuval Ronen

Thesis:
Shot noise measurements of quasi-particle charge in graphene-based quantum point contacts (QPC) devices, operating in the integer quantum Hall effect regime

איתמר בורגר
Itamar Burger

המחלקה למדעי החיים
בהדרכת ד"ר איבו שפיגל

Department of Life Sciences
Advisor: Dr. Ivo Spiegel

Thesis:
Dissecting how experience-induced cell-type specific transcriptional programs regulate specific synaptic inputs

פטרו בוסקו
Petro Busko

המחלקה למדעי החיים
בהדרכת ד"ר אורי אבינעם

Department of Life Sciences
Advisor: Dr. Ori Avinoam

Thesis:
The role of CD9-p1 in extracellular vesicles biology

יסמין ל בוהק
Yasmin L Bohak

המחלקה למדעי הכימיה
בהדרכת פרופ' דן יקיר

Department of Chemical Sciences
Advisor: Prof. Dan Yakir

Thesis:
Addressing caveats towards the application of carbonyl sulfide as a tracer for photosynthetic fluxes

גלעד בן עוזיהו
Gilad Ben Uziahu

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' אוריאל פייגה

Department of Mathematics and Computer Science
Advisor: Prof. Uriel Feige

Thesis:
fair allocation of indivisible goods to submodular agents

עינב בן זכרי
Eynav Ben Zikry

המחלקה למדעי הכימיה
בהדרכת פרופ' מילקו אריק ואן דר בום
ד"ר מיכל להב

Department of Chemical Sciences
Advisors: Prof. Milko E. van der Boom
Dr. Michal Lahav

Thesis:
Morphological anomalies: Dissolution of crystal cores to generate empty ellipses

עידן בייל
Edaan Byle

המחלקה למדעי הכימיה
בהדרכת פרופ' אליזבטה בוארטו

Department of Chemical Sciences
Advisor: Prof. Elisabetta Boaretto

Thesis:
Pollen fossil taxa sorting by flow cytometry for accurate radiocarbon dating and paleoenvironmental reconstruction

Weizmann Institute of Science | Feinberg Graduate School | MSc Recipients **2023 Graduates**

סיון ארד
Sivan Arad

המחלקה למדעי החיים
בהדרכת פרופ' מאיה שולדינר

Department of Life Sciences
Advisor: Prof. Maya Schuldiner

Thesis:
Searching for novel localization factors of peripheral proteins to the endoplasmic reticulum in yeast

מארק אפרשטיין
Mark Aperstein

המחלקה למדעי הפיסיקה
בהדרכת פרופ' איתן דומאני
פרופ' יוסף ירדן

Department of Physical Sciences
Advisors: Prof. Eytan Domany
Prof. Yosef Yarden

Thesis:
Modelling Infectious Disease spread and optimizing hospital resource allocation with two-regimes compartment model

גל אליסף
Gal Elyasaf

המחלקה למדעי החיים
בהדרכת פרופ' אילן למפל

Department of Life Sciences
Advisor: Prof. Ilan Lampl

Thesis:
A novel theoretical framework for simultaneous measurement of excitatory and inhibitory conductances

אבשלום בדש
Avshalom Badash

המחלקה למדעי הפיסיקה
בהדרכת ד"ר דורון קושניר

Department of Physical Sciences
Advisor: Dr. Doron Kushnir

Thesis:
Advanced methods to reduce memory requirements in Type Ia supernovae simulations.

רון אשרוב
Ron Asherov

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' אירית דינור

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

Thesis:
Bipartite unique neighbour expanders via Ramanujan graphs

מיכל אריאלי
Michal Arieli

המחלקה למדעי הפיסיקה
בהדרכת פרופ' אפרים אפרתי

Department of Physical Sciences
Advisor: Prof. Efi Efrati

Thesis:
Tessellations of an infinite plane by frustrated polygons

אלישבע ברנט - ברזל
Elisheva Berent-Barzel

המחלקה למדעי החיים
בהדרכת פרופ' אלעזר זלצר

Department of Life Sciences
Advisor: Prof. Elazar Zelzer

Thesis:
Regulation of the development of tendon-to-bone attachment unit by mechanical signals at single-cell resolution

אורי ברמן
Ori Berman

המחלקה למדעי הכימיה
בהדרכת ד"ר מורן בן עמי

Department of Chemical Sciences
Advisor: Dr. Moran Shalev-Benami

Thesis:
Exploration and design of bi-stable rhodopsins as optogenetic tools

מקס ברינגמן
Max Bringmann

המחלקה למדעי החיים
בהדרכת פרופ' רוני פז

Department of Life Sciences
Advisor: Prof. Rony Paz

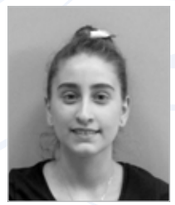
Thesis:
The influence of sleep on the formation of memory and generalization

אלעד גבר
Elad Gaver

המחלקה למדעי הכימיה
בהדרכת פרופ' מילקו אריק ואן דר בום
ד"ר מיכל להב

Department of Chemical Sciences
Advisors: Prof. Milko E. van der Boom
Dr. Michal Lahav

Thesis:
Self-assembly of superstructures in imidazole-based metal-organic frameworks



קארין ג'ובראן
Carine Joubran

המחלקה למדעי החיים
בהדרכת פרופ' יעקב חנא

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

Thesis:
Functional characterization of novel naive pluripotency protein Nanog neighbor

שחר ברקאי
Shahar Barkai

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עדי שטרן

Department of Physical Sciences
Advisor: Prof. Ady Stern

Thesis:
Gapless superconductivity in proximitized graphene

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חיה ברבולין
Chaya Barbolin

המחלקה למדעי החיים
בהדרכת ד"ר איתי תירוש

Department of Life Sciences
Advisor: Dr. Itay Tirosh

Thesis:
The transcriptional patterns of intrer-tumor heterogeneity across a thousand tumors

לינור בנגל
Linor Bengal

המחלקה למדעי החיים
בהדרכת פרופ' אלון חן

Department of Life Sciences
Advisor: Prof. Alon Chen

Thesis:
Ankrd55 as a novel regulator of the central stress response: Anatomical, expression, behavioral and metabolic characterization

רז בן-אורי
Raz Ben-Uri

המחלקה למדעי החיים
בהדרכת ד"ר ליאת פני ינקלביץ קרן

Department of Life Sciences
Advisor: Dr. Leeat Yankielowicz-Keren

Thesis:
Escalating high-dimensional imaging using channel multiplexing and deep learning

עינב ברין
Einav Berin

המחלקה למדעי הפיסיקה
בהדרכת ד"ר הילל אהרוני

Department of Physical Sciences
Advisor: Dr. Hillel Aharoni

Thesis:
A local extension approach to the inverse design problem for smart fabrics

יעקב ניר בריטשטיין
Yacov Nir Breitstein

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עופר אהרוני

Department of Physical Sciences
Advisor: Prof. Ofer Aharony

Thesis:
Tests of the charge convexity conjecture in fermionic conformal field theories

דרור ברוק
Dror Brook

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' עמוס תנאי

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

Thesis:
Estimating and removing ambient noise in scRNA-seq data using a metacell-based model

סבטלנה דורושב (מסלוב)
Svetlana Doroshev (Maslov)

המחלקה למדעי החיים
בהדרכת פרופ' אורלי ריינר

Department of Life Sciences
Advisor: Prof. Orly Reiner

Thesis:
LIS1 RNA-binding orchestrates the pluripotency of embryonic stem cells in AGO2-dependent and independent ways

אלעד דוד
Elad David

המחלקה למדעי הכימיה
בהדרכת פרופ' עודד אהרונסון

Department of Chemical Sciences
Advisor: Prof. Oded Aharonson

Thesis:
The effect of ground ice redistribution on the Martian paleo-CO2 cycle

שרון גרינשטין
Sharon Grinstein

המחלקה למדעי החיים
בהדרכת פרופ' שרגא שוורץ

Department of Life Sciences
Advisor: Prof. Schraga Schwartz

Thesis:
Systemic redirection of RNA modification enzymes towards novel targets

עידן הוכנר
Idan Hochner

המחלקה למדעי הכימיה
בהדרכת ד"ר זיו מאיר

Department of Chemical Sciences
Advisor: Dr. Ziv Meir

Thesis:
The molecular beam machine: A cold molecular ion generator

סתיו דן
Stav Dan

המחלקה למדעי החיים
בהדרכת פרופ' שלו איצקוביץ

Department of Life Sciences
Advisor: Prof. Shalev Itzkovitz

Thesis:
Distal fecal wash host transcriptomics identifies inflammation throughout the colon and terminal ileum

ילין דיוינסקי
Yalin Divinsky

המחלקה למדעי החיים
בהדרכת פרופ' אלדד צחור

Department of Life Sciences
Advisor: Prof. Eldad Tzahor

Thesis:
Investigation of TIMP1 as an autocrine growth factor of myofibroblasts in cardiac cold fibrosis

Weizmann Institute of Science | Feinberg Graduate School | MSc Recipients **2023 Graduates**

נתן גורדון
Natan Gordon

המחלקה למדעי הפיסיקה
בהדרכת פרופ' ברק דיין

Department of Physical Sciences
Advisor: Prof. Barak Dayan

Thesis:
Experimental study of optical interaction with single atoms close to SiO2 microresonators surface

תום גומא
Tom Gome

המחלקה למדעי החיים
בהדרכת פרופ' עמוס תנאי
פרופ' יעקב אברמסון

Department of Life Sciences
Advisors: Prof. Amos Tanay
Prof. Jakub Abramson

Thesis:
Promiscuous, mimetic and Aire-dependent gene regulation in medullary epithelial thymus cells

טלי גולדמן
Tali Goldman

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' רונן אלדן

Department of Mathematics and Computer Science
Advisor: Prof. Ronen Eldan

Thesis:
A spectral algorithm for deterministic low rank matrix completion

חיים גלעדי
Chaim Giladi

המחלקה למדעי החיים
בהדרכת פרופ' יואב סואן

Department of Life Sciences
Advisor: Prof. Yoav Soen

Thesis:
Analysis of the genome-wide emergent changes occurring through adaptation to de-novo stress within a lifetime

ליעד גלנץ
Liad Glanz

המחלקה למדעי החיים
בהדרכת פרופ' יעקב אברמסון

Department of Life Sciences
Advisor: Prof. Jakub Abramson

Thesis:
The role of ameloblast-specific autoantibodies in dental pathologies of APS-1 and Celiac patients

עטר גילת
Atar Gilat

המחלקה למדעי הכימיה
בהדרכת פרופ' עמנואל לוי

Department of Chemical Sciences
Advisor: Prof. Emmanuel Levy

Thesis:
Affinity and specificity in interactions of intrinsically-disordered regions driving phase separation

יערי ויגדר
Yeari Vigder

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' אורי בדר

Department of Mathematics and Computer Science
Advisor: Prof. Uri Bader

Thesis:
Structure theorem for mu-Stationary G -spaces

גיא ווסקובויניק
Guy Voscoboynik

המחלקה למדעי הכימיה
בהדרכת ד"ר סיון רפאלי-אברמסון

Department of Chemical Sciences
Advisor: Dr. Sivan Refaely-Abramson

Thesis:
Fermi-polaron description of excitonic scattering processes in layered systems from first principles

ספיר וולף
Sapir Wolff

המחלקה למדעי החיים
בהדרכת פרופ' אסף טל

Department of Life Sciences
Advisor: Prof. Assaf Tal

Thesis:
Using 7T 1H-MRS for assessing the relation of metabolites' concentrations in specific brain regions to memory performance of healthy adults

טל ויצמן
Tal Weizman

המחלקה למדעי החיים
בהדרכת פרופ' יפעת מרבל

Department of Life Sciences
Advisor: Prof. Yifat Merbl

Thesis:
Deciphering patient-specific drug response based on Post Translational Modifications (PTMs)

מאיר ויסמן
Meir Weissman

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עופר אהרוני

Department of Physical Sciences
Advisor: Prof. Ofer Aharony

Thesis:
The superconformal index of N=4 SYM at large N for rational sigma / tau

אלי וינדבר
Eli Windwer

המחלקה למדעי הכימיה
בהדרכת פרופ' ינון רודיך

Department of Chemical Sciences
Advisor: Prof. Yinon Rudich

Thesis:
Characterization of novel optical measuring instruments for in-situ measurement of aerosols

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אלה הרצוג
Ella Herzog

המחלקה למדעי החיים
בהדרכת ד"ר רוני דהן

Department of Life Sciences
Advisor: Dr. Rony Dahan

Thesis:
Immune profiling of the tumor microenvironment for optimizing Treg-targeted antibody-based immunotherapy

יהל הורוביץ
Yahel Horowicz

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עופר פירסטנברג

Department of Physical Sciences
Advisor: Prof. Ofer Firstenberg

Thesis:
Critical dynamics and phase transition of a strongly interacting warm spin-gas

זיו הופרט
Ziv Huppert

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' עופר זיתוני

Department of Mathematics and Computer Science
Advisor: Prof. Ofer Zeitouni

Thesis:
Large deviations principle for the empirical measure of roots of Kac polynomials

יותם וולף
Yotam Wolf

המחלקה למדעי הפיסיקה
בהדרכת פרופ' בינגהיי יאן

Department of Physical Sciences
Advisor: Prof. Binghai Yan

Thesis:
Unusual spin polarization in the chirality induced spin selectivity and electron para-hydrodynamics in metals

נתן ווינשטיין
Nathan Wainstein

המחלקה למדעי הכימיה
בהדרכת פרופ' איתי הלוי

Department of Chemical Sciences
Advisor: Prof. Itay Halevy

Thesis:
An automated search for calcium sulfate and calcium sulfite minerals on Mars: Testing the role of SO2 on early Mars

דניאלה ואן דר באום
Daniella van der Boom

המחלקה למדעי הפיסיקה
בהדרכת ד"ר דורון קושניר

Department of Physical Sciences
Advisor: Dr. Doron Kushnir

Thesis:
A simple model to estimate the radioactive nickel production in the collapse of a massive star due to pair-Instability

שירי זלצמן
Shiri Zaltzman

המחלקה למדעי החיים
בהדרכת פרופ' עפר יזהר

Department of Life Sciences
Advisor: Prof. Ofer Yizhar

Thesis:
The effects of post-weaning social isolation on physical and vocal pro-social behavior in adult mice

ליאור דוד זילברברג
Lior David Silberberg

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' מריה גורליק

Department of Mathematics and Computer Science
Advisor: Prof. Maria Gorelik

Thesis:
A queer Kac-Moody construction

עירד זהבי
Irad Zehavi

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' עדי שמיר

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

Thesis:
Installing identity-based backdoors in DNNs using simple weight manipulations

לית' זנאימר
Leith Znaimer

המחלקה למדעי הפיסיקה
בהדרכת פרופ' אלי זלדוב

Department of Physical Sciences
Advisor: Prof. Eli Zeldov

Thesis:
Shot noise in bilayer graphene: Fano factor measurement in the absence of magnetic field

מרלון סטיבן זמברנו מילה
Marlon Steven Zambrano Mila

המחלקה למדעי החיים
בהדרכת פרופ' שרגא שוורץ

Department of Life Sciences
Advisor: Prof. Schraga Schwartz

Thesis:
Dissecting the basis for differential substrate specificity of ADAR1 and ADAR2

מיכל זמברג אלעד
Michal Zamberg Elad

המחלקה למדעי החיים
בהדרכת ד"ר מיכל רמות

Department of Life Sciences
Advisor: Dr. Michal Ramot

Thesis:
Pilot study searching for dedicated social cognition network

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יובל וסרמן
Yuval Waserman

המחלקה למדעי החיים
בהדרכת פרופ' מיכאל צודיקס
פרופ' נחום אולנובסקי

Department of Life Sciences
Advisors: Prof. Michail Tsodyks
Prof. Nachum Ulanovsky

Thesis:
Dendritic model of binding

טל וסרמן
Tal Wasserman

המחלקה למדעי הפיסיקה
בהדרכת פרופ' אלי וקסמן

Department of Physical Sciences
Advisor: Prof. Eli Waxman

Thesis:
Supernova wind breakout

חן ולר
Chen Weller

המחלקה למדעי החיים
בהדרכת פרופ' ירדנה סמואלס

Department of Life Sciences
Advisor: Prof. Yardena Samuels

Thesis:
Impaired translation fidelity induces aberrant peptide presentation in melanoma

פיליפ ורשינין
Phillip Vershinin

המחלקה למדעי הכימיה
בהדרכת פרופ' בריאן ברקוביץ
ד"ר דרור ישי

Department of Chemical Sciences
Advisors: Prof. Brian Berkowitz
Dr. Ishai Dror

Thesis:
Electrochemical degradation of fluorinated organic compounds in aqueous solutions

שירה ורמן
Shira Werman

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' יונינה אלדר

Department of Mathematics and Computer Science
Advisor: Prof. Yonina Eldar

Thesis:
3D ultrasound super resolution

נווה וסרמן
Navve Wasserman

המחלקה למדעי החיים
בהדרכת פרופ' מיכל אירני

Department of Life Sciences
Advisor: Prof. Michal Irani

Thesis:
Functional brain-to-brain transformations with no shared data

אוהד יוגב
Ohad Yogev

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עופר פירסטנברג

Department of Physical Sciences
Advisor: Prof. Ofer Firstenberg

Thesis:
Photon synchronization using atomic quantum memory

נדב יהלום
Nadav Yahalom

המחלקה למדעי הכימיה
בהדרכת פרופ' בוריס ריבצ'ינסקי

Department of Chemical Sciences
Advisor: Prof. Boris Rybtchinski

Thesis:
Durable lithium-sulfur batteries based on composite carbon nanotube cathode

פז ידידים
Paz Yedidim

המחלקה למדעי החיים
בהדרכת פרופ' אהוד אחישר

Department of Life Sciences
Advisor: Prof. Ehud Ahissar

Thesis:
Audio-visual context dependence of sensory-motor closed-loop dynamics

עומר יניב
Omer Yaniv

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' ורד רוסקידר

Department of Mathematics and Computer Science
Advisor: Prof. Vered Rom-Kedar

Thesis:
Quantum pseudo-integrable Hamiltonian impact systems

ניר יופה
Nir Joffe

המחלקה למדעי החיים
בהדרכת פרופ' אסף ורדי

Department of Life Sciences
Advisor: Prof. Assaf Vardi

Thesis:
Cell to cell heterogeneity drives host virus coexistence between the Emiliania huxleyi and its specific virus

איתי יונה
Itay Yona

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' נחום אולנובסקי

Department of Mathematics and Computer Science
Advisor: Prof. Nachum Ulanovsky

Thesis:
Analysis of multi-dimensional neuronal tuning curves in bat hippocampus in a complex environment

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סרגיי חזנוב
Sergey Hazanov

המחלקה למדעי הפיסיקה
בהדרכת ד"ר סרג' רוזנבלום

Department of Physical Sciences
Advisor: Dr. Serge Rosenblum

Thesis:
Nonlinear oscillators for quantum information processing

טל חדד
Tal Hadad

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' אירית דינור

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

Thesis:
Expander codes yields instances of XOR problems that are hard for SoS

צופנת חגין מצר
Tsofnat Hagin Metzer

המחלקה להוראת המדעים
בהדרכת ד"ר אלון פינטו

Department of Science Teaching
Advisor: Dr. Alon Pinto

Thesis:
How to serve mathematics: A case study of the teaching in a graduate geometry course for practicing teachers

ספיר יבדייב
Sapir Yevdayev

המחלקה למדעי הפיסיקה
בהדרכת ד"ר הילל אהרוני

Department of Physical Sciences
Advisor: Dr. Hillel Aharoni

Thesis:
Wrinkling pattern of a thin elastic sheet-the constitutive relation and the influence of the substrate

נרק טומניאן
Narek Tumanyan

המחלקה למתמטיקה ומדעי המחשב
בהדרכת ד"ר טלי דקל

Department of Mathematics and Computer Science
Advisor: Dr. Tali Dekel

Thesis:
Understanding and harnessing foundation models

אייל טוטיאן
Eyal Toutian

המחלקה למדעי הכימיה
בהדרכת פרופ' אורן טל

Department of Chemical Sciences
Advisor: Prof. Oren Tal

Thesis:
Pure spin current transport in atomic size junctions

מיכאל מאיר
Michael Majer

המחלקה למדעי הפיסיקה
בהדרכת פרופ' ישראל בר יוסף

Department of Physical Sciences
Advisor: Prof. Israel Bar-Joseph

Thesis:
Inter-layer excitons resistive traps in 2D heterostructure

בן לייבל
Ben Labbel

המחלקה למדעי החיים
בהדרכת פרופ' אסף ורדי

Department of Life Sciences
Advisor: Prof. Assaf Vardi

Thesis:
Studying the unknown mechanisms of resistance to viral infection in marine algae

מיה לוי גרינברג
Maya Levy Greenberg

המחלקה למדעי הכימיה
בהדרכת פרופ' ארנסטו יוסלביץ

Department of Chemical Sciences
Advisor: Prof. Ernesto Joselevich

Thesis:
"Chiral epitaxy": Enantioselective growth of chiral semiconductor nanostructures on chiral and asymmetric surfaces

נטשה פיי מוריס ברט
Natasha Morris Barth

המחלקה למדעי החיים
בהדרכת ד"ר רוני דהן

Department of Life Sciences
Advisor: Dr. Rony Dahan

Thesis:
Elucidating the role of Dendritic Cells during GITR-targeted antibody immunotherapy

רועי מור
Roye More

המחלקה למדעי החיים
בהדרכת ד"ר יונתן שטלצר

Department of Life Sciences
Advisor: Dr. Yonatan Stelzer

Thesis:
Studying mechanisms regulating histone exchange In-Vitro and In-Vivo

רון מוסנזון
Ron Mosenzon

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' רוברט קראוטגמר

Department of Mathematics and Computer Science
Advisor: Prof. Robert Krauthgamer

Thesis:
Exact flow sparsification requires unbounded size

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נויה יצחק
Noya Itzhak

המחלקה למדעי הכימיה
בהדרכת פרופ' ארנסטו יוסלביץ

Department of Chemical Sciences
Advisor: Prof. Ernesto Joselevich

Thesis:
Guided growth of nanostructures by van der Waals epitaxy on 2D materials

נועה יפה
Noa Yaffe

המחלקה למדעי הפיסיקה
בהדרכת פרופ' נירית דודוביץ

Department of Physical Sciences
Advisor: Prof. Nirit Dudovich

Thesis:
Attosecond transient interferometry

דנה יפה
Dana Joffe

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' מיכל אירני

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

Thesis:
What does the scene look like from a scene point? revisited with deep learning

מיכל לוי
Michal Levi

המחלקה למדעי החיים
בהדרכת פרופ' זבולון אלעזר

Department of Life Sciences
Advisor: Prof. Zvulun Elazar

Thesis:
The involvement of ATG8 family members in endocytosis

מעיין לביא
Maayan Lavie

המחלקה למדעי הכימיה
בהדרכת פרופ' ניר לונדון

Department of Chemical Sciences
Advisor: Prof. Nir London

Thesis:
High-throughput methacrylamide libraries synthesis for ligands discovery

בנימין כהן
Benjamin Cohen

המחלקה למדעי החיים
בהדרכת פרופ' יפעת מרבל

Department of Life Sciences
Advisor: Prof. Yifat Merbl

Thesis:
Uncovering regulatory mechanisms of metabolic-driven changes in proteasomal degradation

שירי משה
Shiri Moshe

המחלקה למדעי החיים
בהדרכת פרופ' דוד הראל

Department of Life Sciences
Advisor: Prof. David Harel

Thesis:
Prosodic style transfer

איליה מרקולוב
Ilya Merkulov

המחלקה למדעי הפיסיקה
בהדרכת ד"ר רתם ארנון פרידמן

Department of Physical Sciences
Advisor: Dr. Rotem Arnon Friedman

Thesis:
Entropy accumulation under post-quantum cryptographic assumptions

חנן מרדכי
Hanan Mordechai

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' עמוס תנאי

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

Thesis:
Locally parametric manifold models for single cell RNA-seq

שמעון נוביק
Shimon Nowik

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עופר אהרוני

Department of Physical Sciences
Advisor: Prof. Ofer Aharony

Thesis:
The superconformal index of the SU(2) N=4 supersymmetric Yang-Mills theory

נועה אנה נאירנר
Noa Anna Nairner

המחלקה למדעי החיים
בהדרכת ד"ר מורן בן עמי

Department of Life Sciences
Advisor: Dr. Moran Shalev-Benami

Thesis:
Structural characterization of the MC4 receptor's inactive and desensitized states

סמיחה מתוולי
Sameeha Mittwali

המחלקה למדעי החיים
בהדרכת ד"ר ליאת פני ינקלביץ קרן

Department of Life Sciences
Advisor: Dr. Leeat Yankielowicz-Keren

Thesis:
Revealing the structure of the tumor-immune microenvironement in melanoma by Multiplexed imaging

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אור אבי מירון
Orr Avi Meron

המחלקה למדעי הפיסיקה
בהדרכת פרופ' עופר פירסטנברג

Department of Physical Sciences
Advisor: Prof. Ofer Firstenberg

Thesis:
Two-photon spectroscopy of alkali spins using unresolved optical lines

ולדימיר מינדל
Vladimir Mindel

המחלקה למדעי החיים
בהדרכת פרופ' נעמה ברקאי

Department of Life Sciences
Advisor: Prof. Naama Barkai

Thesis:
From binding to expression: Exploring specificity layers of gene transcription using minimal transcription factors

אלואיז מימון וייס
Heloise Mimoun Weiss

המחלקה למדעי החיים
בהדרכת ד"ר מיכל רמות

Department of Life Sciences
Advisor: Dr. Michal Ramot

Thesis:
Sleep learning using olfactory biofeedback to reduce sleep bruxism

דויג' מנקאד
Dvij Mankad

המחלקה למדעי הפיסיקה
בהדרכת ד"ר נועם טל הוד

Department of Physical Sciences
Advisor: Dr. Noam Tal Hod

Thesis:
Test of lepton flavor universality with the first measurement of R(K*) using the ATLAS experiment

נעמה מלר
Naama Meller

המחלקה למדעי החיים
בהדרכת ד"ר יונתן שטלצר

Department of Life Sciences
Advisor: Dr. Yonatan Stelzer

Thesis:
Elucidating the mechanism maintaining parent-specific DNA methylation imprints and establishment of rAAV system for the creation of transgenic animals

תהל מלכה
Tahel Malka

המחלקה למדעי הכימיה
בהדרכת פרופ' איגור לובומירסקי

Department of Chemical Sciences
Advisor: Prof. Igor Lubomirsky

Thesis:
The investigation of low temperature proton conduction in rare- earth-hydroxides.

יואל סילורמן
Yoel Silverman

המחלקה למדעי הכימיה
בהדרכת פרופ' יואב סואן

Department of Chemical Sciences
Advisor: Prof. Yoav Soen

Thesis:
Developing building blocks of a setup for investigating the feasibility of artificial multicellular organization of complex bacterial populations

יקים סילברמן
Yakim Silverman

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' יצחק גלנדר

Department of Mathematics and Computer Science
Advisor: Prof. Tsachik Gelander

Thesis:
In a state of liminality

רוני סטוק
Roni Stok

המחלקה למדעי החיים
בהדרכת פרופ' עמוס תנאי
ד"ר יונתן שטלצר

Department of Life Sciences
Advisors: Prof. Amos Tanay
Dr. Yonatan Stelzer

Thesis:
De-novo DNA methylation and mouse gastrulation: Intracellular and intercellular functions

טל סקוורר
Tal Skverer

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' עודד גולדרייך
פרופ' גיא רוטבלום

Department of Mathematics and Computer Science
Advisor: Prof. Oded Goldreich
Prof. Guy Rothblum

Thesis:
on interactive proofs of proximity with prover-oblivious queries

מאיה מאי סלומון חזות
Maya May Salomon Hazut

המחלקה למדעי החיים
בהדרכת ד"ר מיכל רמות
פרופ' יניב זיו

Department of Life Sciences
Advisors: Dr. Michal Ramot
Prof. Yaniv Ziv

Thesis:
Benefits of multi-echo acquisition for longitudinal memory representation studies with ultra-high field 7T fMRI

עאישה סינדיאני-בסול
Ayshi Sindiani-Bsoul

המחלקה להוראת המדעים
בהדרכת פרופ' רון בלונדר

Department of Science Teaching
Advisor: Prof. Ron Blonder

Thesis:
Attitudes and behavior of science teachers and students regarding the SDGs: An intervention study

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אורין נורי מלכה
Orin Noori Malka

המחלקה למדעי החיים
בהדרכת ד"ר ריטה שמידט

Department of Life Sciences
Advisor: Dr. Rita Schmidt

Thesis:
Exploring the time responses in the visual circuit using high temporal resolution at ultra-high magnetic field, 7T

יעל נוי
Yael Noy

המחלקה למדעי הכימיה
בהדרכת פרופ' נטע רגב-רוצקי

Department of Chemical Sciences
Advisor: Prof. Neta Regev-Rudzki

Thesis:
Communication crosstalk between the host CXCL10 chemokine and the malaria parasite, Plasmodium falciparum

תומר נוביקוב
Tomer Novikov

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' בועז בנימין קלרטג

Department of Mathematics and Computer Science
Advisor: Prof. Boaz Binyamin Klartag

Thesis:
Sign symmetries using a topological approach to Dvoretzky's theorem

יהל סופר רימלט
Yahel Sofer Rimalt

המחלקה למדעי הפיסיקה
בהדרכת ד"ר שגיא בן-עמי

Department of Physical Sciences
Advisor: Dr. Sagi Ben-Ami

Thesis:
HighSpec - a high spectral resolution spectrograph for the multi aperture spectroscopic telescope

נטשה סגל בן-אישטי
Natasha Segal Ben Isti

המחלקה להוראת המדעים
בהדרכת פרופ' דוד פורטס

Department of Science Teaching
Advisor: Prof. David Fortus

Thesis:
Teaching science through the Grand Challenges and its impact on students

יוחאי נירנברג
Yohai Nirenberg

המחלקה למדעי החיים
בהדרכת פרופ' עפר פינרמן

Department of Life Sciences
Advisor: Prof. Ofer Feinerman

Thesis:
Spatial flow of nutrients in Ant colonies

קשאב פאריק
Keshav Pareek

המחלקה למדעי הפיסיקה
בהדרכת פרופ' ארז ברג
פרופ' יובל אורג

Department of Physical Sciences
Advisors: Prof. Erez Berg
Prof. Yuval Oreg

Thesis:
Entropy and soft modes in twisted bilayer graphene

ליאור פאר
Lior Peer

המחלקה למדעי החיים
בהדרכת פרופ' מאיה שולדינר

Department of Life Sciences
Advisor: Prof. Maya Schuldiner

Thesis:
Peroxi-ome – a near-complete compendium of yeast peroxisomal proteins

דולב עפרי-אמר
Dolev Ofri-Amar

המחלקה למתמטיקה ומדעי המחשב
בהדרכת ד"ר טלי דקל

Department of Mathematics and Computer Science
Advisor: Dr. Tali Dekel

Thesis:
Neural congealing: Aligning images to a joint semantic atlas

אסף פטרושקה
Asaf Petruschka

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' מרב ברכה פרטר

Department of Mathematics and Computer Science
Advisor: Prof. Merav Parter

Thesis:
Distributed algorithms and labeling schemes for small vertex cuts

ויקטוריה פולטורק
Victoria Poltorak

המחלקה למדעי הכימיה
בהדרכת פרופ' אסף אהרוני
ד"ר דוד זאבי

Department of Chemical Sciences
Advisors: Prof. Asaph Aharoni
Dr. David Zeevi

Thesis:
Developing a new computational approach for class classification of plant metabolites using machine learning

עליזה פדורנקו
Aliza Fedorenko

המחלקה למדעי החיים
בהדרכת פרופ' עדה יונת

Department of Life Sciences
Advisor: Prof. Ada Yonath

Thesis:
Structural and anti-microbial studies of 16-member ring macrolides against the Staphylococcus aureus ribosome

Weizmann Institute of Science | Feinberg Graduate School | MSc Recipients **2023 Graduates**

אסעד עוודאללה
Asad Awadallah

המחלקה למדעי הכימיה
בהדרכת ד"ר עמית פינקלר

Department of Chemical Sciences
Advisor: Dr. Amit Finkler

Thesis:
Characterization of spin-strain coupling in nanodiamonds

שושנה סרניק
Shoshana Sernik

המחלקה למדעי החיים
בהדרכת פרופ' אלי ארמה

Department of Life Sciences
Advisor: Prof. Eli Arama

Thesis:
The role of the effector caspases in irradiation induced cell migration (ICM)

מרים רחל סרניק
Miriam Sernik

המחלקה למדעי החיים
בהדרכת פרופ' משה אורן

Department of Life Sciences
Advisor: Prof. Moshe Oren

Thesis:
Exploring the effect of p53 on the crosstalk between adipocytes and breast cancer

מיכל עמרני
Michal Amrani

המחלקה למדעי הכימיה
בהדרכת פרופ' רוני נוימן

Department of Chemical Sciences
Advisor: Prof. Ronny Neumann

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

תומר עמית
Tomer Amit

המחלקה למדעי הכימיה
בהדרכת ד"ר סיון רפאלי-אברמסון

Department of Chemical Sciences
Advisor: Dr. Sivan Refaely-Abramson

Thesis:
Exciton scattering mechanisms in transition metal dichalcogenides upon structural complexities

לאה עמית
Leah Amit

המחלקה למדעי החיים
בהדרכת פרופ' אליאור (אורי) פלס

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

Thesis:
Unraveling functional components of the Axo-glial interface

יותם יאיר קדיש
Yotam Kadish

המחלקה למדעי הפיסיקה
בהדרכת פרופ' גרגורי פלקוביץ

Department of Physical Sciences
Advisor: Prof. Gregory Falkovich

Thesis:
Multi-mode-correlations in a doubling frequency cascade as a shell model of turbulence

אלעד צליק
Elad Tzalik

המחלקה למתמטיקה ומדעי המחשב
בהדרכת ד"ר רן טסלר

Department of Mathematics and Computer Science
Advisor: Dr. Ran Tessler

Thesis:
Topological expansion for posets and the homological k-connectivity of random q-complexes

יונתן צין
Jonathan Zin

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' אירית דינור

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

Thesis:
Expanding posets of non-simplicial structure

עידו קיפר
Edo Kiper

המחלקה למדעי החיים
בהדרכת פרופ' נטע רגב-רוצקי

Department of Life Sciences
Advisor: Prof. Neta Regev-Rudzki

Thesis:
High-throughput analysis of the transcriptional patterns of sexual genes in malaria

עליזה קינזל
Alisa Kinzel

המחלקה למדעי החיים
בהדרכת פרופ' ג'פרי גרסט

Department of Life Sciences
Advisor: Prof. Jeffrey Gerst

Thesis:
Role of mRNA localization of coatomer subunits in COPI complex formation

יהונתן קוגמן
Jonathan Kogman

המחלקה למדעי הפיסיקה
בהדרכת פרופ' אולף לאונהרדט

Department of Physical Sciences
Advisor: Prof. Ulf Leonhardt

Thesis:
Lifshitz theory of the quantum vacuum in spherically symmetric gravitational fields

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נדב פרנקל
Nadav Frenkel

המחלקה למדעי הפיסיקה
בהדרכת פרופ' דן אורון

Department of Physical Sciences
Advisor: Prof. Dan Oron

Thesis:
SPAD array enabled heralded spectroscopy of quantum dot molecules

עוז פראנק
Oz Frank

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' יונינה אלדר

Department of Mathematics and Computer Science
Advisor: Prof. Yonina Eldar

Thesis:
Integrating domain knowledge into deep networks for lung ultrasound with applications to COVID-19

עמית פנדו
Amit Pando

המחלקה למדעי הפיסיקה
בהדרכת פרופ' ניר דודזון

Department of Physical Sciences
Advisor: Prof. Nir Davidson

Thesis:
Effects of detuning disorder on coupled lasers

אריה צימרמן
Arieh Zimmerman

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' דמיטרי גורביץ

Department of Mathematics and Computer Science
Advisor: Prof. Dmitry Gourevitch

Thesis:
Geometric conditions for twisted O-sphericity

דניאל צ'אוסובסקי
Daniel Chausovsky

המחלקה למדעי הפיסיקה
בהדרכת ד"ר סרג' רוזנבלום

Department of Physical Sciences
Advisor: Dr. Serge Rosenblum

Thesis:
Design, fabrication, and characterization of Fluxonium qubits

נוגה פרנקל
Noga Frenkel

המחלקה למדעי החיים
בהדרכת פרופ' יעקב אברמסון

Department of Life Sciences
Advisor: Prof. Jakub Abramson

Thesis:
The role of vitamin D in regulation of epithelial tissues and the immune system

נועה רוזנטל
Noa Rosenthal

המחלקה למדעי החיים
בהדרכת ד"ר משה ביטון

Department of Life Sciences
Advisor: Dr. Moshe Biton

Thesis:
Deciphering Tuft cells' interaction with the commensal microbiota in homeostasis and in gut inflammation

דריה ראספופובה
Daria Raspopova

המחלקה למדעי הפיסיקה
בהדרכת פרופ' ויקטור ארמנד מלכא

Department of Physical Sciences
Advisor: Prof. Victor Armand Malka

Thesis:
Control of a gas density profile for improving Laser-Plasma Accelerator

שי קריתי
Shai Kiriati

המחלקה למדעי הפיסיקה
בהדרכת פרופ' חיים בידנקופף

Department of Physical Sciences
Advisor: Prof. Haim Beidenkopf

Thesis:
Testing new configuration for nanowires with induced superconductivity using STM

ורד רוסו
Vered Rousso

המחלקה למדעי הכימיה
בהדרכת פרופ' דוד מרגוליס

Department of Chemical Sciences
Advisor: Prof. David Margulies

Thesis:
Sensing the Estrogen Receptor (ER) and ER binding interactions using bivalent 'turn on' fluorescent molecular probes

עמרי רון
Omri Ron

המחלקה למדעי הכימיה
בהדרכת פרופ' ארנסטו יוסלביץ

Department of Chemical Sciences
Advisor: Prof. Ernesto Joselevich

Thesis:
Self-integrating memories based on guided nanowires

עמרי רוזנר
Omri Rosner

המחלקה למדעי הפיסיקה
בהדרכת פרופ' כפיר בלום
פרופ' יוסף ניר

Department of Physical Sciences
Advisors: Prof. Kfir Blum
Prof. Yosef Nir

Thesis:
Renormalization group evolution bounds for the cubic Higgs coupling in the singlet extension to the Standard Model

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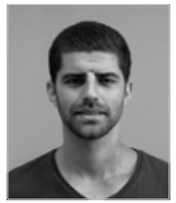


דוד קניגסברגר
David Kenigsberger

המחלקה למדעי החיים
בהדרכת ד"ר פיליפה אנדרה נטליו

Department of Life Sciences
Advisor: Dr. Filipe Andre Natalio

Thesis:
Production of alternative glycans via substrate substitution of bacterial cellulose synthase

רישיר קלפו
Rishir Kalepu

המחלקה למדעי הכימיה
בהדרכת פרופ' דבורה פאס
ד"ר סרגיי סמנוב

Department of Chemical Sciences
Advisors: Prof. Deborah Fass
Dr. Sergey Semenov

Thesis:
Exploring the contexts of cysteine-rich proteins using organic and biological chemistries

נוי קליידר
Noy Klaider

המחלקה למדעי הכימיה
בהדרכת ד"ר שירה רוה

Department of Chemical Sciences
Advisor: Dr. Shira Raveh-Rubin

Thesis:
Cold extremes: Global climatology and driving mechanisms

בר קרוב
Bar Karov

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' מוני נאור

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

Thesis:
New algorithms and applications for risk-limiting audits

איתמר קרבי
Itamar Karbi

המחלקה למדעי הפיסיקה
בהדרכת ד"ר רעי צימקה

Department of Physical Sciences
Advisor: Dr. Rei Chemke

Thesis:
The projected changes in the spatial and temporal scales of the mid-latitude flow

ג'יוואן קסיו
Jiewen Xiao

המחלקה למדעי הפיסיקה
בהדרכת פרופ' שחל אילני
פרופ' ארז ברג

Department of Physical Sciences
Advisors: Prof. Shahal Ilani
Prof. Erez Berg

Thesis:
Momentum resolved quantum twisting microscope

שקד שורץ
Shakked Schwartz

המחלקה למדעי הכימיה
בהדרכת ד"ר מיכל לסקס

Department of Chemical Sciences
Advisor: Dr. Michal Leskes

Thesis:
Investigating the surface dynamics of ions at the anode-electrolyte interface using NMR spectroscopy

אבנר שולצמן
Avner Shultzman

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' יונינה אלדר

Department of Mathematics and Computer Science
Advisor: Prof. Yonina Eldar

Thesis:
Leveraging deep-learning concepts for solving waveform inversion and linear inverse problems

מאי שדה
Mai Sadeh

המחלקה למדעי החיים
בהדרכת פרופ' אסף ורדי

Department of Life Sciences
Advisor: Prof. Assaf Vardi

Thesis:
Deciphering genes involved in survival and cell death mechanisms in marine diatoms

בת-אור שלום
Bat-Or Shalom

המחלקה למדעי הכימיה
בהדרכת ד"ר בארן ארן

Department of Chemical Sciences
Advisor: Dr. Baran Eren

Thesis:
Catalytic micro-reactors for in situ surface-sensitive measurements

יעל שטכמן
Yael Shtechman

המחלקה להוראת המדעים
בהדרכת ד"ר מיכל איטח השכל

Department of Science Teaching
Advisor: Dr. Michal Haskel Ittah

Thesis:
Elementary school students' evaluation of explanations about biological phenomena

יובל שטיינברג
Yuval Steinberg

המחלקה למדעי הכימיה
בהדרכת ד"ר מיכל לסקס

Department of Chemical Sciences
Advisor: Dr. Michal Leskes

Thesis:
Sensitive detection of the solid electrolyte interphase in beyond-lithium ion batteries via dynamic nuclear polarization - solid state NMR spectroscopy

Weizmann Institute of Science | Feinberg Graduate School | MSc Recipients **2023 Graduates**

יעל 'ריץ
Yael Rich

המחלקה למדעי הפיסיקה
בהדרכת פרופ' שחל אילני

Department of Physical Sciences
Advisor: Prof. Shahal Ilani

Thesis:
Study of electronic flow in 2D van der Waals heterostructures

אורן ריכטר
Oren Richter

המחלקה למדעי החיים
בהדרכת פרופ' אלעד שניידמן

Department of Life Sciences
Advisor: Prof. Elad Schneidman

Thesis:
Modeling the development of neural circuits' topologies using generative models

אופיר רז
Ofir Raz

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' עמוס תנאי
פרופ' אהוד שפירא

Department of Mathematics and Computer Science
Advisors: Prof. Amos Tanay
Prof. Ehud Shapiro

Thesis:
Differentiation and commitment in mammalian embryos: a comparative approach

דן שגב
Dan Segev

המחלקה למתמטיקה ומדעי המחשב
בהדרכת פרופ' רונן בצרי

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

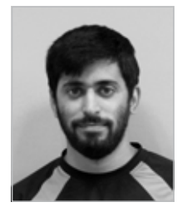
Thesis:
Classification of diabetic retinopathy from optical coherence tomography

נטע שאול
Neta Shaul

המחלקה למדעי הפיסיקה
בהדרכת פרופ' ירון ליפמן

Department of Physical Sciences
Advisor: Prof. Yaron Lipman

Thesis:
On kinetic optimal probability path for generative models



אלון אפרים רפפורט
Alon Ephraim Rapaport

המחלקה למדעי החיים
בהדרכת ד"ר תמיר קליין

Department of Life Sciences
Advisor: Dr. Tamir Klein

Thesis:
Field dynamics and chemical composition of C transfer from trees to Ectomycorrhizal fruit bodies

בן שנהר
Ben Shenhar

המחלקה למדעי הפיסיקה
בהדרכת פרופ' אלי וקסמן

Department of Physical Sciences
Advisor: Prof. Eli Waxman

Thesis:
Inefficient thermalization timescales of charged decay products in kilonovae ejecta - simple and robust analytical formulae

נופר שמן
Nofar Shemen

המחלקה למדעי החיים
בהדרכת פרופ' רוני פז
ד"ר יואב ליבנה

Department of Life Sciences
Advisors: Prof. Rony Paz
Dr. Yoav Livneh

Thesis:
The effect of different body states on decision-making

טליה סימה שלר
Talia Shaler

המחלקה למדעי החיים
בהדרכת פרופ' אסף ורדי

Department of Life Sciences
Advisor: Prof. Assaf Vardi

Thesis:
Exploring the transcriptional plasticity of algal response to viral infection that enables their coexistence

גיא תדמור
Guy Tadmor

המחלקה למדעי הכימיה
בהדרכת פרופ' אברהם לוי

Department of Chemical Sciences
Advisor: Prof. Avraham Levy

Thesis:
A new tool for estimating the contribution of Double Strand Break DNA repair mechanisms in shaping short structural variation across genomes

תמיר שרף
Tamir Scherf

המחלקה למדעי החיים
בהדרכת פרופ' רוני פז

Department of Life Sciences
Advisor: Prof. Rony Paz

Thesis:
Using Reinforcement Learning to unravel neural mechanisms of learning from punishment and reward

אריה שקולניקוב
Arie Shkolnikov

המחלקה למדעי החיים
בהדרכת פרופ' רוני פז

Department of Life Sciences
Advisor: Prof. Rony Paz

Thesis:
Integration of social cues during avoidance learning

Weizmann Institute of Science | Feinberg Graduate School | **2023 Graduates**

Recipients of MSc without thesis in Science Teaching

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.

Mohammad Abu Jafar
Ahmed Agbaryah
Tahel Aharonof
Raneen Alatawna
Natalie Bernaz-Padon
Shiri Cohen Genosar
Efrat Dolan
Shiran Edri
Ilya Fuchs
Hila Genis
Ofer Ginzburg
Maria Gontar
Abdalla Haj Amer
Amnon Herman
Tova Hojman
Fatina Kersh
Revaya Levi
Mor Malka
Fatima Mhameed
Rami Neeman
Shoham Pargamanik
Veronika Pelekhov
Stav Rom
Raghda Samara
Nurit Shriki
Irit Zemach
Houssien Zoabi

שירן אדרי
Shiran Edri

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

אחמד אגבאריה
Ahmed Agbaryah

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

מוחמד אבו געפר
Mohammad Abu Jafar

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

נטלי אליס ברנז פדון
Natalie Bernaz-Padon

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

רנין אלעטאונה
Raneen Alatawna

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

תהל ורדה אהרונוף
Tahel Aharonof

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

עפר גינזבורג
Ofer Ginzburg

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

הילה גייניס
Hila Genis

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

מריה גונטר
Maria Gontar

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

Weizmann Institute of Science | Feinberg Graduate School | Recipients of MSc without thesis in Science Teaching **2023 Graduates**

אמנון הרמן
Amnon Herman

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

טובי הוכמן
Tova Hojman

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

אפרת דולן
Efrat Dolan

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

שירי כהן גינוסר
Shiri Cohen Genosar

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

עבד אללה חאג' עאמר
Abdalla Haj Amer

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

חוסיין זועבי
Houssien Zoabi

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

מור מלכה
Mor Malka

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

פאטמה מחאמיד
Fatima Mhameed

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

רוויה לוי
Revaya Levi

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

רם אברהם נאמן
Rami Neeman

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

רגדה סמארה
Raghda Samara

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

איליה פוקס
Ilya Fuchs

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

ורוניקה פלחוב
Veronika Pelekhov

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

שוהם בת-שיר פרגמניק
Shoham Pargamanik

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

עירית צמח
Irit Zemach

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

פאתינה קרש
Fatina Kersh

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

סתיו רום
Stav Rom

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

נורית שריקי
Nurit Shriki

תואר שני ללא תזה בהוראת המדעים
MSc without thesis in Science Teaching

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.