



כנס אדמס תשפ"ב  
ADAMS CONFERENCE 2022

מאי 2022 May

Adams Conference

Monday, May 9, 2022

כנס אדמס תשפ"ב

יום שני, ח' באייר, תשפ"ב

Morning Session		מושב בוקר
9:30–10:00	Refreshments in Lobby	כיבוד קל
10:00–10:10	<b>Prof. David Harel</b> President of the Academy Opening Remarks	פרופ' דוד הראל נשיא האקדמיה דברי פתיחה
10:10–10:20	<b>Prof. Moshe Oren</b> Academy Member, Chair of the Adams Fellowships Committee Introduction	פרופ' משה אורן חבר האקדמיה, יו"ר ועדת מלגות אדמס הקדמה
10:20–11:05	<b>Prof. Yael Hanein</b> Israel Young Academy Alumna, Professor of Electrical Engineering, Tel Aviv University, on Electrical Recording of Emotions	פרופ' יעל חנין בוגרת האקדמיה הצעירה הישראלית, פרופסור להנדסת חשמל, אוניברסיטת תל אביב מדידה חשמלית של רגשות
11:05–11:15	Questions and Answers	שאלות ותשובות
11:15–12:00	<b>Dr. Meital Oren-Suissa</b> Senior Scientist, Department of Brain Sciences and the Department of Molecular Neuroscience Weizmann Institute of Science, on Sexually-Dimorphic Circuits: From Molecular Mechanisms to Synapses and Behavior	ד"ר מייטל אורן-סוויסה מדענית בכירה, המחלקה למדעי המוח והמחלקה לנירולוגיה מולקולרית, מכון ויצמן למדע כיצד המין הגנטי משפיע על רשתות עצביות?
12:00–12:10	Questions and Answers	שאלות ותשובות
12:10–13:30	Lunch	ארוחת צהריים
Afternoon Session		מושב אחצ"צ
13:30–15:00	Poster Competition	תחרות פוסטרים
15:00–15:45	<b>Prof. Michal Feldman</b> Israel Young Academy Alumna, Professor of Computer Science, Tel Aviv University, on On Markets, Computation and Games	פרופ' מיכל פלדמן בוגרת האקדמיה הצעירה הישראלית, פרופסור למדעי המחשב, אוניברסיטת תל אביב על שווקים, חישוביות ומשחקים
15:45–16:00	Questions and Answers	שאלות ותשובות
16:00–16:45	<b>Prof. Liat Kozma</b> Israel Young Academy Alumna, Professor of the History of the Middle East, The Hebrew University of Jerusalem, on Networks of Medical Doctors in the Middle East, 1880-1940	פרופ' ליאת קוזמא בוגרת האקדמיה הצעירה הישראלית, פרופסור להיסטוריה של המזרח התיכון, האוניברסיטה העברית בירושלים רשתות של רופאים במזרח התיכון, 1880–1940
16:45–17:00	Questions and Answers	שאלות ותשובות
17:00	Prizes	פרסים



Greetings from

## Prof. Moshe Oren

Academy Member;  
Chair, Adams Fellowships Steering  
and Approval Committee

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Warm greetings to all our Adams Fellows, Adams Alumni and Academy President Prof. David Harel. Last year we had to postpone the Adams Conference, thereby unwillingly skipping this unique opportunity to sit in the same room, come to know each other and share our thoughts and experiences. Our ability to meet today in person for the 2022 Adams Conference is thus not only a celebration of the victory of science over disease, but also a celebration of our ability to reinforce once again the togetherness of the Adams fellows' community.

Marcel Adams never had a chance to complete his formal education, but this only increased his passion for learning and his admiration for human knowledge. It therefore came naturally to him, as a visionary who cares about the future of this country, to invest in advancing knowledge in Israel. And as a person with a track record of making wise choices, he decided to invest in our future generation of scientific leaders. This entrusts you, Adams Fellows, with a special mission: You are expected not only to advance your own careers, but also to fulfil a dream – Marcel's dream of making Israel a hub of scientific excellence and a powerhouse of human knowledge. We members of the Adams committee make every effort to ensure that we pick the best of the best. You, in turn, should prove that we made the right choices.

Today we will be listening to presentations by four past and present members of the Israel Young Academy. This gives us an opportunity to showcase the best of the best of the young generation of leaders in Israeli Academia. All of them are outstanding examples of the creativity and innovativeness of contemporary research in our country. Yet at the same time they remind us that full gender equality in science, and even more so in the high ranks of our academic institutions, still remains a major challenge. We may be getting better, but there still remains a long way to go, particularly in mathematics, computer sciences, engineering and the natural sciences. I believe that it is our responsibility to ensure that gender will not be an obstacle to reaching high and far in science, and that all those who have the qualifications to become scientific leaders will be given equal opportunity to become scientific leaders. I very much hope that more and more of those new leaders will come out of the Adams fellows community.

And until your time arrives, Adams fellows, to become part of the next generation of scientific leaders in our country, let me wish you a lot of success in your ongoing research and in the next steps of your careers.





**Prof. Yael Hanein**

Israel Young Academy Alumna, Professor of Electrical Engineering, Tel Aviv University, VP of Scientific Affairs at Nano Retina, and CTO and founder at X-trodes

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Prof. Yael Hanein received her BSc in physics from Tel Aviv University and her MSc and PhD in physics from Weizmann Institute of Science. In 2003, she completed a postdoctoral fellowship in the electrical engineering department at the University of Washington, Seattle, where she also held a research associate position in the physics department. She then joined the faculty of Tel Aviv University.

Her research field is neuro-engineering, focusing on developing wearable electronics and bionic vision.

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Adams Seminar August 2021; Top photo: Class of 2020; Bottom photo: Class of 2021



## **Dr. Meital Oren-Suissa**

**Senior Scientist, Department of Brain Sciences and  
the Department of Molecular Neuroscience,  
Weizmann Institute of Science**

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Dr. Meital Oren-Suissa earned her BSc in molecular biochemistry, cum laude (2003), her MSc in Biology, cum laude (2006), and her PhD in biology (2012) all from the Technion—Israel Institute of Technology. She completed her doctoral studies on the mechanisms of neuronal branching under the guidance of Prof. Benjamin Podbilewicz. Her postdoctoral training at Columbia University focused on sex differences in neuronal wiring patterns during development. She joined the Weizmann Institute of Science in July 2017 and is the incumbent of the Jenna and Julia Birnbach Family Career Development Chair.

Dr. Oren-Suissa studies the development of brain circuits that control behaviors that differ between males and females. Her research has provided key evidence that a brain cell's protein degradation machinery plays a role in shaping synaptic connectivity—that is, the cellular clean-up crew helps regulate the strength of a brain cell's connections with other brain cells. Her lab also investigates how sexual dimorphism is manifested in brain pathologies.

Dr. Oren-Suissa is a fellow of the FENS KAVLI network of excellence. She has received several awards both for her research progress and for her teaching skills, including the Human Frontier Science Program (HFSP) Long-Term Postdoctoral Fellowship, the EMBO Long-term Fellowship and the Azrieli early career faculty fellowship. She is a recipient of the ERC starting grant and two ISF grants. She has also received an Israeli National Postdoctoral Award for Advancing Women in Science, the Technion's Faculty of Biology Award for Excellence in Teaching, and the Vivian Konigsberg Award for Excellence in Teaching, among other honors.

She lives in Rehovot with her husband, an IDF officer, and their two children.



## Prof. Michal Feldman

Israel Young Academy Alumna,  
Professor of Computer Science,  
Tel Aviv University

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Prof. Michal Feldman is the Computation and Economics Professor of Computer Science in the Blavatnik School of Computer Science at Tel Aviv University and a visiting scholar at Microsoft Research (MSR) Herzliya. Her research spans computer science, economics, game theory and operations research.

Prof. Feldman received her PhD from the University of California at Berkeley in 2005. She held a visiting position at Harvard University and Microsoft Research New England from 2011 to 2013. She is an Associate Editor at *Games and Economic Behavior*, *Mathematics of Operations Research*, *ACM Transactions on Economics and Computation*, and the *Journal of Computer and System Sciences*. She served as Vice Chair of ACM SIGecom and PC chair of ACM EC 2015. She is an alumna of the Global Young Academy of Sciences and the Israel Young Academy.

Prof. Feldman is the recipient of two ERC grants of the European Research Council, of Marie Curie IOF, Alon and ISF grants and of Amazon Research Awards. She was included in *Forbes's* list of the 50 most influential women in Israel (2016) and in *The Marker's* list of 40 under 40 (2014).

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Adams Seminar August 2021; Sylvan Adams receiving a memorial album of his father from Prof. Nili Cohen, Academy President





## Prof. Liat Kozma

Israel Young Academy Alumna,  
Professor of the History of the Middle East,  
The Hebrew University of Jerusalem

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Prof. Liat Kozma is an associate professor in the Department of Islamic and Middle East Studies at The Hebrew University of Jerusalem. A social historian of the modern Middle East, she is particularly interested in the transnational mobility of people and ideas during the period known as “the first modern globalization” or “the age of steam and print,” between 1880 and 1940. Her PhD dissertation and first monograph, *Policing Egyptian Women* (2011), was a social history of Egypt’s state-building, a process entailing multiple encounters between women on the margins of Egyptian society and the state’s medical and legal institutions. Her latest monograph, *Global Women, Colonial Ports* (2017), examined interwar trafficking in women and the migration of women for prostitution to, from and within the Middle East, and the international efforts to curtail it. She also co-edited the volumes *A Global Middle East: Mobility, Materiality and Culture in the Modern Age, 1880–1940* (with Cyrus Schayegh and Avner Wishnitzer, 2014) and *The League of Nations’ Work on Social Issues* (with Davide Rodogno and Magaly Rodriguez Garcia, 2017).

Since 2017, Prof. Kozma has held an ERC-consolidator grant for a project entitled “A Regional History of Medicine in the Middle East.” The project examines interconnections between the local, regional and global mobility of epidemics, medical personnel and medical knowledge.

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Adams Seminar August 2021; Guest Speaker Ben-Gurion University President Prof. Chamovitz holding the Adams Fellows spellbound about plants

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المجمع الوطني الإسرائيلي للعلوم والآداب  
THE ISRAEL ACADEMY OF SCIENCES AND HUMANITIES



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