

# ISRAEL HIGH-TECH & INVESTMENT REPORT

A MONTHLY REPORT COVERING NEWS AND INVESTMENT OPPORTUNITIES  
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## Flow of Investment Capital Continues

### Investing Overseas

The flow of investment capital continues in record sums. Perhaps one of the interesting points is that large sums of money come from countries outside of Israel. This country has about 40 venture capital funds but they provide only a small proportion of the incoming investment capital. Just this week we learned of investments from India, China and of course, the United States.

Successful Israeli entrepreneurs also appear to be reinvesting their gains. A case in point, is that of Dov Moran, the originator of the key disk, who recently founded a \$100m. Venture capital fund. With over 250 foreign companies that have established research facilities in Israel, its strong high-tech capability has been rated by the University of Lausanne as one of the top five world powers in this key area. While foreigners in 2015 invested \$4 billion in Israel, Apple alone has invested over a billion dollars in creating a hardware development center with 800 Israeli employees. The Israelis, who created drip agriculture, are exporting \$2 billion a year in water technology and recently hosted the leading international water conference.

Foreigners are also investing in mature Israeli companies. A foreign company now owns nearly 10% of Teva Pharmaceutical. There is little indication that the current trend will change Israeli company offers.

### Intel launches Israeli startup accelerator

Nine Israeli companies have been chosen for Intel Ingenuity Partner Program's first 6-months cycle. Following a similar announcement from Samsung, Intel has become the latest international technology giant to launch a startup accelerator program in Israel.



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Intel announced that Intel Ingenuity Partner Program (Intel IPP), a new initiative for nurturing and promoting Israeli start-up companies. Intel will provide the startups with an expert mentor on its behalf as well as access to various resources in its facilities.

Nine Israeli companies have been chosen for the Program's first 6-months cycle. By the end of this period, Intel says, the companies will be able to demonstrate a proof of concept or joint project or demo of their idea, consider joint marketing initiatives and generate opportunities for a business idea which will benefit the startup company as well as Intel.

The companies chosen for the program IPP partners are matched with an Intel mentor, who is chosen based on his/her expertise in the relevant technological area and serves as the single contact point between the company and Intel. The mentor works directly with the start-up company and is responsible to securing its access to additional resources in Intel and in the broader relevant industry.

One of the first IPP partners chosen for the first cycle is Lexifone, which offers real-time voice interpreting. Extreme Reality, the developer of Extreme Motion which extracts information on the user's gestures with a standard 2D camera also participates in the program.

Registration for the second cycle of IPP is already underway: Intel says it is looking to work with companies involved in wireless technologies, connected devices, mobile, IT, internet of things (IoT), wearables, big data analytics, perceptual computing and robotics.

Each 6-months cycle of IPP includes a 2-month learning stage, in which the entrepreneurs meet with Intel's experts and relevant business units to compile more information. Learning is followed by the 4-months work stage, in which Intel and the start-up company work together on the Proof of Concept. The joint venture will

be presented on Intel's demo day. Intel IPP partners also get to meet with Intel's investment fund. The program, which targets mature and early-stage companies, is directed by Roy Ramon.

"Intel IPP offers a carefully-structured collaboration process between Intel and start-up companies under Intel's leadership. The process was designed to expand the value that the companies generate from the collaboration," Ramon said in the launch event in Tel Aviv. "Intel initiated the program in order to strengthen its ties with start-up companies and promote them. Israeli entrepreneurs chosen to collaborate with Intel will receive wealth of opportunities for growth. We look forward to share our knowhow with them and work together."

Intel Israel already collaborates with Israeli companies in a range of ways, including through Intel Capital and through Challenge-Up!, an acceleration program executed jointly by Intel, Deutsche Telecom and Cisco, which helps young start-up

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companies from Israel which develop solutions in relevant areas to reach the market faster with consulting, networking, joint projects and allocation of resources. MAGNET, a program of the Chief Scientist of Israel, provides Israeli companies that collaborate with Intel with funding of up to 50% of their approved budget, which is then matched by Intel.

"We hope that the new Intel IPP will provide significant help to young Israeli start-ups," said Nir Metzer, head of Intel's path-finding group and mentor in Intel IPP. "The Program offers a broad range of opportunities: some companies will get to see their solutions embedded into Intel products while others will win new customers and partners thanks to Intel's connections." he said.

### Playtika

A Chinese consortium has acquired Israeli social games company Playtika from Caesars Interactive Entertainment online games unit for \$4.4 billion in cash, the companies have announced. Based in Herzliya, US company Caesars acquired Playtika in 2011, for about \$170 million.

The Chinese consortium, which is buying Playtika from US company Caesars, says Playtika will remain an independent unit managed from Herzliya.

The Chinese consortium includes game developer Shanghai Giant Network Technology, Alibaba Group founder Jack Ma and his private equity firm Yunfeng Capital, China Oceanwide Holdings Group, China Minsheng Trust, CDH China HF Holdings, and Hony Capital Fund. The consortium will hope to exploit the fact that China has the world's largest online gaming market.

Caesars seeks more Israeli acquisitions  
Playtika's most popular games include Bingo

Blitz and Slotomania and are available on Apple's App Store. Playtika players use virtual currency that cannot be exchanged for real money but can be spent by purchasing items in the games. The Chinese consortium said that Playtika will continue to operate independently with its own management team at its headquarters in Herzliya, following the acquisition.

Playtika had \$725 million in revenue last year, compared with \$549 million in 2014 and "only" \$54 million in the year the company was acquired. The company's revenue reached \$218.2 million in the first quarter of 2016, 10% quarterly growth and 30% annualized growth, reflecting \$900 million annualized revenue.

### Israel unveils its first wheeled APC

The highly mobile, relatively low cost and heavily protected Eitan will replace the IDF's aging M-113s. The IDF and Ministry of Defense unveiled the development of a new wheeled armored personnel carrier, which will replace the outmoded M-113 armored personnel carrier, thousands of which are still being used by IDF infantry forces. The new personnel carrier, named Eitan, is being developed by the Ministry of Defense Tank Administration in cooperation with the IDF Ground Forces.

The decision to develop the new personnel carrier was based on one of the lessons learned following Operation Protective Edge, two years ago. Inter alia, it was due to the tragic incident in the Gaza City Shijaiyah neighborhood, in which six Golani 13th Battalion troops were killed and one, Oron Shaul, was defined as "a soldier killed in action whose burial site is unknown". An M-113 aging personnel carrier in which the force moved during battle, was stuck following a technical malfunction and later hit by an anti-tank missile.

The Ministry of Defense presented the first photographs of the Eitan, which is the first IDF personnel carrier to be wheeled rather than tracked, enabling rapid mobility between operations theaters due to its ability to travel along roads. It has a speed of 90 km per hour, is equipped with an eight by eight wheel configuration, weighs about 34 tons and can carry a crew of up to 12 (driver, commander, machine gunner and nine other soldiers), similarly to the Namer armored personnel carrier, also developed by the Ministry of Defense.

Israel halves Namer order with General Dynamics The Eitan will be equipped with the Trophy active protection system, developed by Rafael Advanced Defense Systems Ltd. This system is also installed on the Merkava Point Mark IV tanks and Namer personnel carriers. The defense establishment says that Eitan's wheels are also hardened, enabling it to continue operating even after they are hit. The personnel carrier is also protected against roadside and underbelly explosive devices. The Eitan will be equipped with a 30/40mm gun and a missile firing position. In addition to the Trophy, it will be protected by reactive armor systems which will bolster survivability on the modern battlefield. The Ministry of Defense said today that after completion of its development, the Eitan would be the world's most advanced and protected wheeled combat vehicle. They added that the Eitan was designed as a multipurpose system, to be used by combatants in a wide range of missions with a focus on making production costs significantly lower than other personnel carriers: half the cost of the Namer armored personnel carrier or any other wheeled personnel carrier offered by a defense industry worldwide.

Tank Administration Commander Brig.Gen. Baruch Matzliah explained that the Eitan's relatively low price is due to its reliance on commercial systems which are significantly

cheaper than other systems used in a personnel carrier in Israel or abroad. Matzliah says that due to its low price, the IDF could begin acquisition as early as the current multi-year Gideon plan. He estimated that in about two years the serial production of the new personnel carrier could be launched, with an annual production rate of several dozen systems. It still remains unclear whether some of the manufacturing will be carried out in the US, similar to the Namer parts of which are produced in the US, procured by the defense establishment using US aid funds and assembled in Israel.

Eitan prototype tests will commence in the next few days, together with two additional prototypes, currently being built.

### **Intel Capital heats up with \$25 million investment in three Israeli startups**

Who ever said that August is a slow month for funding? Intel's M&A and strategic investment arm Intel Capital announced on Wednesday their investment of \$25 million spread across three Israeli startups. Along with other participating investors, Intel Capital led all three rounds in the companies.

In the wave of funding, Panoply.io scored a \$7 million Series A, while Sedona Systems and Velostrata pulled Series B rounds at \$13.6 million and \$17.5 million respectively. In all three companies, Intel has partnered with firms that are changing the face of infrastructure, whether in the area of the cloud with Panoply.io and Velostrata, or in the optimization of networks and the flow of traffic with Sedona Systems.

The companies: Who are they and what makes them special?

Co-founded by CEO Yossi Wellingstein and CTO Ori Gerstel, Sedona's multi-layer platform NetFusion works with network operators,

improving the management of IP and optical layers by essentially combining them to provide greater control and significantly cut operating costs. The company claims that their approach allows users to push their network infrastructure harder while at the same time lowering their expansion capex (capital expenditures) by as much as 50 percent.

While Intel Capital led the round, they were joined by newcomer NextStar and previous investor Bessemer Venture Partners. Coupled with their Series A and seed rounds, this injection of \$13.6 million in new funding brings them to a total of \$19.6 million raised. They have offices in Raanana and Cupertino, and have stated in their release to the press that they will direct the funds towards boosting their sales and R&D efforts.

For their part, Velostrata has developed solutions for migrating applications and data to the cloud. Co-founded in 2014 by CEO Issy Ben-Shaul and Chief Product Officer Ady Degany, they work with hybrid private and public clouds, simplifying the process to a single click and reducing the need to alter the contents being transferred in order to ensure smooth operations. With their HQ in San Mateo, they maintain R&D offices in Israel. Previous investors 83 North and Northwest Venture Partners also took part in this round.

San Francisco-headquartered Panoply.io launched their beta solution for implementing full stack analytics infrastructures in the cloud in 2015. Co-founded by CEO Yaniv Leven and CTO Roi Avinoam, their service works with big market data players like Amazon's Redshift, Elastic, Kafka, and Spark to allow companies of all resource brackets take full advantage of their data, drawing business critical information to improve their decision making. They raised \$1.3 million in seed funding last

September from Blumberg Capital, FundersGuild, and 500 Startups. Blumberg took part in this current round as well, helping to bring them to an estimated total of \$8.3 million raised. The value of strategic investment and solid investment partners.

In all three of these deals, Intel Capital has looked for companies that are innovating in their fields, paving the way for smoother operations in the tech industry.

It is worth noting as well that they have chosen companies that have already essentially been vetted by top level Vcs, with most of the best recognized names choosing to take part in the second round, generally a sign of confidence in the company.

While investments in Israeli backend companies is nothing new, they continue to remain on the radar for major players like Intel Capital. Marcin Hejka, a VP at Intel Capital and the Managing Director of Greater Europe and India, wrote in a post released to the press that his office has invested in over 80 Israeli companies with upwards of \$345 million.

Intel as a company has long had a relationship with Israel and has a facility in the southern city of Kiryat Gat. They also maintain significant R&D resources here, capitalizing on the qualified and competitive talent.

As has been noted in previous articles, strategic investments are in my view among the most valuable. While perhaps not as sexy as a straight up exit, they grant young and promising startups access to wider networks of resources and customers, allowing them to grow into bigger and stronger companies.

With this sweeping set of funding announcements, Intel Capital has put us on notice that these will be companies to watch as they continue to come into their own.

**Teva buys Allergan distributor Anda for \$500m**

Anda is the fourth largest distributor of generic pharmaceuticals in the US.

Teva Pharmaceutical Industries Ltd. (NYSE: TEVA; TASE: TEVA) today announced that it is buying Allergan's Anda Inc., the 4th largest distributor of generic pharmaceuticals in the US, for \$500 million.

This follows hard on the heels of yesterday's announcement that Teva had completed the acquisition of Allergan's generic division for \$33.43 billion in cash and \$5.3 billion in shares.

Teva receives US clearance for Actavis acquisition Teva President & CEO of Global Generic Medicines Saggi Olafsson said, "Anda is a natural fit into our business in general and our extensive supply chain network in particular. We believe Anda is truly a unique company which further enhances the offerings that Teva can provide. This strategic move enables us and our customers to improve capabilities and flexibility given the changes the pharmaceutical industry is currently undergoing, in order to provide access to more patients throughout the country. Additionally, both Teva and Anda's customers will benefit from our ability as the largest producer of medicines in the world to leverage our size and scale."

Anda distributes generic, brand, specialty and over-the-counter pharmaceutical products from more than 300 manufacturers to retail independent and chain pharmacies, nursing homes, mail order pharmacies, hospitals, clinics and physician offices across the United States.

For the full year 2016, Anda is expected to generate more than \$1 billion in third-party net revenue.

As part of the deal, Teva will acquire three distribution centers in Olive Branch, MS, Weston FL and Groveport, OH, with a total of over 650 employees.

Olafsson added, "Anda will continue to operate as a stand-alone business and report directly to me. The addition of Anda and their ability to service over half of their 60,000 customers within 24 hours, combined with our existing offerings, will allow us to provide even better service to our customers."

The closing of this transaction is subject to antitrust clearance and satisfaction of other conditions. The transaction is expected to close in the second half of 2016.

**Israeli video tech co Kaltura raises \$50m.**

The startup has secured the pre-IPO funding from Goldman Sachs' Private Capital Investing group.

Israeli video technology provider Kaltura announced today that it has secured a \$50 million pre-IPO funding from Goldman Sachs' Private Capital Investing group. Kaltura will use the capital for worldwide expansion and to further its unique positioning as the 'Everything Video' company "providing leading video products for an unprecedented array of markets and use-cases. Goldman Sachs' Private Capital Investing group VP Holger Staude will be joining Kaltura's board of directors.

Kaltura was founded in 2006 by chairman and CEO Ron Yekutiel, president Dr. Michal Tsur, chief revenue officer Dr. Shay David, and VP R&D Eran Etam. Kaltura is headquartered in New York City, its R&D center is in Ramat Gan, and it has offices in San Francisco and London.

Video content company Kaltura to raise \$100m. Yekutiel said "Video is booming. It is the favorite data type for communication, collaboration, teaching & learning, marketing, and entertainment. Kaltura is in a unique position to capitalize on this huge market opportunity since it provides the broadest set of video products and capabilities to customers across all industries. We are excited to be working with Goldman Sachs as we continue our journey to videofy companies and organizations all around the world."

Kaltura offers both a wide array of out-of-the-box video products for various industries, as well as a flexible and modular API-based video platform for developers, partners, and customers that are looking to create their own custom video products.

"Kaltura has developed market-leading technology with a flexible architecture that stands out to us as a strong and sustainable advantage," said Hillel Moerman, Co-Head of Goldman Sachs' Private Capital Investing group. "Kaltura has an impressive roster of marquee customers across a large and diversified set of markets and an experienced management team that has demonstrated excellence, agility, and leadership."

The funding comes on the heels of yet another strong year, which further cemented Kaltura as a market leader, as reaffirmed by industry analysts including Gartner, Forrester Research, Wainhouse Research and others. In the press, Kaltura was recently named 'One of 2016's 10 Most Innovative Companies in Video' by FastCompany, and One of '15 New York Tech Companies To Watch In 2016' by Forbes.

### **Foreign investor buys control of SHL Telemedicine**

Control of SHL Telemedicine was sold for NIS 110 million at a 20% premium on the

market price.

Less than a year after the failure to sell control of SHL Telemedicine Ltd. (SWX: SHLTN) to Chinese corporation Shanghai Jiuchuan Investment, some of the SHL controlling shareholders are selling their stakes in the company at a lower price. Sources inform "Globes" that a group of investors including Eyal Ofer, Shlomo Ben Haim, Barak Capital, and Eli Alroy, who jointly own 30% of SHL's shares, has agreed to sell its holdings in the company to a foreign investor for 28 million Swiss francs (NIS 110 million).

The deal was according to a share price of 8.70 Swiss francs, reflecting a 20% premium on today's price on the Zurich Stock Exchange, but lower than the 10.50 Swiss francs share price at which the company was to have been sold last year. The family of SHL founder Yoram Alroy (no relation of Eli Alroy), which still owns 26.5% of SHL, did not join the sale, and is still holding its shares.

Founded in 1987 as an operator of a private line of intensive care ambulances for subscribers, SHL became a leading company in providing remote monitoring and diagnostic services to congestive heart failure and chronic obstructive pulmonary disease patients, mainly in Israel and Germany. SHL's services facilitate remote measurement of a patient's weight, blood pressure, oxygen in the blood, etc., thereby reducing the medical costs of the health funds and insurance companies. SHL's current market cap is 78 million Swiss francs.

### **Israel's CAA develops "improved" Kalshnikov**

By improving the rifle's shape and making it more user-friendly, CAA founder Moshe Oz claims to have created the world's best assault rifle.

What has not been said about the Kalashnikov assault rifle? It is too heavy, cumbersome, and its human engineering is scandalous. They have called it ugly, and said that it is outdated. Some said that it is too greatly identified with murderous militias and terrorist organizations, and they are right.

There are two things, however, that cannot be said about the Kalashnikov: that it is unreliable, or that it does not do a good job. In other words, it is very good for killing.

Developed 70 years ago by Mikhail Kalashnikov, a Red Army soldier wounded fighting the Germans in WWII, the Kalashnikov, regarded as the world's most common weapon, is here to stay.

Since the first Kalashnikovs were developed, it is estimated that over 100 million of its various models have been sold, probably not including imitations, one of which is the Israeli Galil rifle, called "more Kalashnikov than the Kalashnikov" by weapons experts.

With all the Kalashnikov's prestige and lousy user experience, Israeli weapons company CAA has entered the picture over the past year. CAA aims to improve this outmoded rifle's shape and make it more user-friendly. It can already shoot; what it needs now are up-to-date accessories that will make people want to hold it, take it to the firing range, and be photographed with it.

Meet CAA's Alpha Kalashnikov, made in Kiryat Gat. "It's the most reliable one in the world. You can shoot it as much as you want; it never jams. You can throw it into the water, or bury it in the sand - it won't jam. It does what it's supposed to do: shoot," says CAA founder and owner Moshe Oz. "For the Alpha we took the Kalashnikov 'engine,' and renovated and improved everything else - the entire envelope. We left what was good in the rifle - the firing mechanism, which is the best and most reliable, and added things around it.

We improved and corrected. In our opinion, we have created the world's best assault rifle."

Up until a year ago, CAA focused its activity on weapons accessories, saying that a "user experience" was also valid for something designed to kill: innovative and easy-to-use magazines, advanced sights, handles and butts that make things easy for users of the various weapons, user-friendly clips, powerful miniature lights, night vision equipment, bipods that open at the push of a button and help improve shooting performance - in short, the production and marketing of toys that men like.

The company has developed and put on the market more than 300 items, some of them groundbreaking. CAA promises more to come, and that its development teams in Kiryat Gat have all sorts of creative ideas in their heads.

Oz, however, is not satisfied with weapons accessories. For him, it was spending too much time in the proximity of the real thing he has been aiming at for years with a great deal of determination, and especially patience - making a weapon.

The breakthrough came five years ago, when Oz visited Kalashnikov factories in Izhevsk in Russia. He was there to promote sales of one of CAA's biggest patented devices - the Roni, which can turn any piston into a submachine gun within seconds. Named after Oz's daughter, a suitable Roni kit is being offered together with pistols on sale by almost every weapons company solicitous of its customers - and itself.

Oz returned from Izhevsk with an understanding in principle: the Russians would give him the good old mechanism that made the Kalashnikov what it is, and CAA would add to this clumsy, uncomfortable, and unbelievably ugly rifle human engineering to make it a hit sold like hotcakes throughout the world.



Manufacturing weapons in Israel under license is a long story involving a great deal of supervision, background checks, and mainly bureaucracy that can shorten an average person's lifespan. Oz, however, has patience, belief, and mainly a handsome prototype of an upgraded Kalashnikov. Every time he looked at it or shot it on the firing range, he became convinced that one day, it would.

### Israeli university develops wave motion robot

The revolutionary new robot is five times as fast as any similar robot.

Researchers at Ben Gurion University of the Negev in Israel have developed a revolutionary robot powered by wave motion produced by a single rotary motor. A mechanism with an advanced design converts the wave motion into motion on the ground, in the water, and even into vertical motion. Mechanical engineering lecturer and ABC Robotics Initiative member David Zarrouk asserts that the new robot moves.

### Elbit unveils mini-drone for maritime applications

Skylark C is ideal for special naval operations, border security, anti-terrorism and anti-piracy operations.

Israeli defense electronics company Elbit Systems Ltd. (Nasdaq: ESLT; TASE: ESLT) has unveiled the Skylark C, a new highly autonomous Mini Unmanned Aircraft System (Mini-UAS) specifically designed and built for maritime applications. Based on the Skylark I Mini UAS - which is fully operational and in use by dozens of customers around the world, the new Skylark C transforms and extends the operational capabilities of its land-based counterpart into an organic maritime

Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) asset.

As a maritime vessel organic asset, Skylark C provides the capabilities to inspect maritime activities from a safe distance, observe targets from a bird's eye view, perform reconnaissance over coastal areas and perform continuous covert surveillance, thus extending the vessel's ISR capabilities with respect to range, rate and quality of information obtained.

Mission effective, with highly autonomous flight capability, Skylark C incorporates an electrically-propelled air vehicle with a very low visual and acoustic signature, making it an ideal solution for covert operations such as special naval operations, border security, anti-terrorism and anti-piracy operations. The aerial vehicle utilizes Elbit Systems' industry-leading UAS technology and know-how, featuring an advanced inertial navigation system (INS) and a stabilized electro-optical (EO) payload with a high resolution thermal imager and color daylight camera that enables continuous day/night monitoring in diverse weather conditions.

### ChemChina buys Discount Investment's Adama stake

ChemChina will pay Discount Investment \$1.4 billion for the 40% stake

Discount Investment Corporation (TASE: DISI) today reported signing an agreement for the sale of its stake in Adama Holding Ltd. (TASE:ADMA.B1) (40%) for an overall payment of \$1.4 billion. Discount Investment will sell the stake to its Chinese partner ChemChina, which controls the remaining Adama stake.

Deal completion is subject to several conditions, including the approval of regulatory authorities in China and Israel and the consent

of the Chinese bank that provided the loan funds. As Discount Investment reported in the past, the deal includes a payment of \$230 million, in addition to the original deal, and the write-off of a \$1.1 billion loan the Chinese provided to Discount Investment in 2011, as part of the deal to acquire control of Adama. The current deal reflects a market cap of \$3.5 billion for Adama.

Adama is considered one of the world's leading crop protection companies, offering farmers solutions and services to help improve crops.

### **Ford buys Israeli machine learning co SAIPS**

The acquisition of the Rehovot-based company is part of Ford's pledge to develop a fleet of driverless cars by 2021.

Car manufacturing giant Ford has acquired Israeli computer vision and machine learning company SAIPS. The acquisition of the Rehovot-based company is part of Ford's pledge to develop a driverless car by 2021. No financial details of the acquisition were disclosed.

Founded in 2013 by CEO Udy Danino, CTO Rotem Littman and US Branch Manager Noga Zieber Bullkich, SAIPS provides algorithmic solutions. The company has not raised any funds to date and after the acquisition will continue operating as an independent entity within the Ford corporation.

The company has core expertise in design, development and implementation of algorithmic engines that are based on Deep Neural Networks (Deep Learning). SAIPS portfolio consists of five algorithmic suites that provide state of the art solutions for the hottest computer vision challenges in the areas of detection, tracking, image enhancement, registration, segmentation, pattern recognition, positioning, 3D, prediction, video intelligence and more. Ford announced the acquisition as

part of a raft of investments targeting a commercial fully autonomous vehicle fleet for ride sharing by 2021.

### **Halting Melanoma**

Researchers from Tel Aviv University (TAU) have discovered the mechanism by which melanoma, the most aggressive and deadly form of skin cancer, spreads in the body. They also discovered a way to halt its spreading to other parts of the body.

The researchers have stated that they hope to turn melanoma into a non-malignant disease from which people may easily recover via this new discovery. Their findings were published in the Nature Cell Biology scientific journal. The danger in melanoma is not its initial symptoms, but the possibility of metastasis. Melanoma currently causes one death every 52 minutes around the world, with the number of patients rising steadily for the past 30 years. Several different treatments have been developed so far, but none offer a full-fledged solution for the treatment of the disease.

"The danger in melanoma is not in the initial tumor that appears on the skin, but in the metastases that the cancer sends to vital organs such as the brain, lungs, liver, and bones," explains lead researcher Dr. Carmit Levy of the Department of Human Genetics and Biochemistry at TAU. "During our research, we discovered how the cancer spreads to distant organs, and we have even found ways of stopping the process before the metastasis stage."



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