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June 2015



The Authority for Research and Development The Hebrew University of Jerusalem

THE KAYE INNOVATION AWARDS

AT THE HEBREW UNIVERSITY OF JERUSALEM











Glatzer

Project editor: Shos

Ayelet Sagiv

2015 תשע״ה



האוניברסיטה העברית בירושלים THE HEBREW UNIVERSITY OF JERUSALEM

ISAAC KAYE



locking anti-NKp46 mAb for type I diabetes



1) Blocking anti-TIGIT mAb for cancer treatment





Isaac Kaye is a pharmaceutical chemist who has been very successful at translating novel ideas into marketable profit-generating products. He established Norton Healthcare, a substantial generic pharmaceutical company in the UK, which later merged with the IVAX Corporation of the USA. Teva, Israel's biggest company, completed its acquisition of IVAX in 2006, creating the world's largest generics company.

After retiring from IVAX, he turned his attention to venture capital and together with partners founded Israel Healthcare Ventures (IHCV), a provider of capital to early and expansion stage Israeli companies. IHCV focuses exclusively on healthcare and life sciences

Isaac Kaye's passion for medical innovations that advance human healthcare is matched by a number of other interests, including his love of Israel and its people and his enthusiasm and support for The Hebrew University of Jerusalem and the principles upon which it is based.

Fortunately for the Hebrew University, Isaac Kave's interests in pharmacology, therapeutics, and medical devices are very much in line with areas in which the University has considerable expertise and which it is eager to develop.

Isaac Kaye established the annual Kaye Innovation Awards at the Hebrew University in 1993. The awards have earned an esteemed reputation since their inception. Prizes are awarded annually for any innovation that shows potential for bringing profit or savings to the University principally through royalties. Applications must be well focused and accompanied by recommendations, but unlike grant proposals, anyone from the most senior to the most junior staff may apply – in fact students are always encouraged to submit proposals. The winners demonstrate not only good science, but also a focus on commercial viability and the benefits this brings to the University.

In 1995, he established the Isaac and Myrna Kaye Chair in Immunopharmacology at the School of Pharmacy, which provides much needed research funds in this field. In 2005, he also established five annual fellowships for outstanding graduate and post-doctoral students. These fellowships, awarded as "The Kaye-Einstein Fellowships," encourage recipients to continue their studies at the Hebrew University for a minimum of three years, helping to prevent the University's finest scholars from being recruited by other leading academic institutions. Subsequent to the first program of scholarships, five additional three-year scholarships were awarded in 2010, and another five in 2013, to outstanding students as "Kaye Scholarships."

In spite of his demanding and highly successful professional career. Isaac Kave has always been active on behalf of the Hebrew University. He served as Chairman of the South African Friends organization and became an active member of the University's Board of Governors. Following his move to the UK, Isaac Kaye joined the British Friends and continued as a member of the Board of Governors of the Hebrew University. He is currently Chairman of the British Friends of the Hebrew University. We are deeply indebted to both Isaac Kaye and his wife Myrna for their deep involvement and concern for the University.

Yissum Technology Transfer Company of the Hebrew University



For the past 21 years, Yissum has been taking part in the selection process of Hebrew University faculty and students for the prestigious Kaye Awards. These annual awards are given to those inventors whose work exemplifies best the synergy of scientific excellence and commercial potential.

Yissum enjoys a prominent place among the world's leading technology transfer companies, with over two billion dollars in annual sales of products originating at the Hebrew University and licensed by Yissum sold worldwide. Since its inception in 1964, Yissum has registered over 8,960 patents, covering more than 2500 inventions, 785 of which have been licensed and 96 of these formed the basis for the establishment of start-up companies, 9 of which were formed in 2014. Many of the researchers behind these products and technologies have been acknowledged by receiving the Kaye Award.

This year's first prize is awarded to Prof. Uri Banin of the Faculty of Science, for his invention: "Semiconductor quantum rods - a quantum leap for displays." This is an excellent example of the Hebrew University's cutting-edge scientific leadership that is combined with successful commercialization. In 2009, Yissum started a subsidiary, Qlight Nanotech, which later received substantial investment and business collaboration with global company Merck KGaA. As part of this ongoing partnership, the company opened its new R&D site at the Edmond J. Safra campus in October 2013. Today Qlight's nanocrystals enable light conversion from UV and blue wavelengths to any other wavelength in the visible range. This guarantees high energy efficiency and cost savings for solid state lighting (LED) systems, flat panel displays and various other optical applications.

The second prize this year is awarded to Prof. Ofer Mandelboim of the Faculty of Medicine for his research entitled: "Development of monoclonal antibody against NKp46 for the treatment of Type 1 diabetes mellitus (T1D)." In October 2013, Yissum, together with partners licensed the technology to BiolineRx for the development of BL9020, a novel

antibody for treatment and prevention of Type 1 diabetes. In March 2015, BiolineRx announced positive pre-clinical results and we hope that BL-9020 will eventually be able to improve the quality of life for millions of patients diagnosed with Type 1 diabetes.

Dr. Zvi Peleg of The Robert H. Smith Faculty of Agriculture, Food and Environment will be receiving the Kaye Award for "Development of new elite sesame cultivars adapted for mechanical harvest with enhanced yield and seed quality." This invention allows the sesame plant capsules to remain closed during maturity. The change will enable mechanical harvesting and will therefore revolutionize the field of sesame, which is currently dominated by manual picking. It will also facilitate crop rotation in industrial countries such as Israel, the US, etc. In December 2014, the invention was successfully licensed by Yissum to Ron Tamir Seeds with the prospect of having commercial seed varieties in a few years' time.

The prize is also awarded to two promising students: Dr. Elad Horwitz for his research on "Methods of predicting efficacy of an anti-VEGFA treatment for solid tumors," and Ms. Geula Hanin for her research on "Down regulating miRNA-132 for the treatment of lipid related disorders."

Yissum is proud to be actively involved in the successful commercialization of these and many other technologies. Our dedicated team is committed to bridging the ever-existing gap between academia and industry in order to bring the fruits of first-class academic research to society at large, and thus provide much-needed funding to support scientific research at the Hebrew University.

We are, as always, indebted to Mr. Kaye for his generosity and personal commitment to support the Hebrew University's researchers in their constant quest for innovation, and extend our sincere congratulations to this year's eminent prize-winners.

YAACOV MICHLIN President & CEO



Yissum







Prof. URI BANIN Institute of Chemistry and the Harvey M. Krueger Family Center for Nanoscience and Nanotechnology, Faculty of Science Semiconductor Quantum Rods - A Quantum Leap for Displays



Dr. ELAD HOROWITZ Faculty of Medicine Treatment for Solid Tumors



Prof. OFER MANDELBOIM Department of Immunology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC) Faculty of Medicine Development of Monoclonal Antibody against NKp46 for the Treatment of Type 1 Diabetes Mellitus (T1D)



Dr. ZVI PELEG

Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture Robert H. Smith Faculty of Agriculture, Food and Environment Development of New Elite Sesame Cultivars Adapted for Mechanical Harvest with Enhanced Yield and Seed Quality





Ms. GEULA HANIN Department of Biological Chemistry Silberman Institute of Life Sciences Faculty of Science Related Disorders





Kaye Winners 2015 - Students



Department of Immunology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC) Methods of Predicting Efficacy of an Anti-VEGFA

Downregulating miRNA-132 for the Treatment of Lipid





Prof. Uri Banin Institute of Chemistry and the Harvey M. Krueger Family Center for Nanoscience and Nanotechnology Faculty of Science

RESEARCHER

Semiconductor Quantum Rods - A Quantum Leap for Displays

Semiconductor quantum rods offer new functionality of bright color, energy efficiency and switching properties, a unique combination providing high promise for serving as revolutionary materials in next generation flat panel displays. The semiconductor quantum rods (QRs) are cylinder shaped elongated semiconductor nanocrystals, and their emission colors can be controlled by tuning the size, composition and shape, based on quantum confinement effects of nanoscale materials. The emission for such materials can span throughout the whole visible range providing narrow and tunable colors that can provide exceptional



high quality colors for flat panel displays with energy saving characteristics. The unique rods shape also provides polarized emission that is of high relevance to liquid crystal display (LCDs) applications which utilize light polarization in their operation.

To develop the use of semiconductor quantum rods for display applications, Prof. Uri Banin founded Qlight Nanotech in 2009. The start-up company, located in Jerusalem, is based on his inventions, and has 22 employees forming a powerful team of nanotechnology scientists and experts. It has obtained an exclusive license from Yissum to over 10 patent families covering the quantum rods materials, and their various applications in displays. Qlight formed a strategic partnership with Merck, a leading company for innovative high-tech products in healthcare, life science and performance materials and a market leader in display materials. Olight Nanotech received the Nanotech Startup Company of the year award from the Israel Ministry of Economy's Chief Scientist at the Nano Israel 2014 Conference. Qlight Nanotech products are based on quantum rods technology.

Qlight's first product is the Active Brightness enhancement Film (ABEF). The ABEF is a film with aligned red and green emitting QRs. Pumped by blue LED light in the back light, the ABEF vastly improves the color quality way beyond standard LEDs backlights, delivering a crisp, bright and colorful image along with significant brightness enhancement (Figure 2). The QRs in the film not only give narrow emission and wide color gamut. They are aligned in order to obtain polarized emission from the film which can potentially provide further energy efficiency for the LCD display.

Looking ahead, Qlight is also developing a revolutionary new design for the pixels of flat panel displays, QR display, which can provide large area displays and possibly flexible displays. It is based on the quantum rods providing wide color gamut along with switching directly by modulating the rods emission with electric field. This offers a simplified screen design that will deliver high color quality, high energy efficiency and cost effective manufacturing and has the potential to revolutionize the flat panel display field.

Uri Banin holds the Alfred & Erica Larisch Memorial Chair at the Institute of Chemistry. He was the founding director of the Hebrew University's Center for Nanoscience and Nanotechnology (2001-2010), served as a member of the board of Yissum, and on the scientific advisory board of Nanosys, Inc., and is an Associate Editor of Nano Letters. Banin's research focuses on nanoscience and nanotechnology of nanocrystals. He has authored over 150 scientific publications in this field that have been extensively cited. Some highlights of Banin's research on nanocrystals include the development of nanocrystals with bright emission in the near-infrared and their incorporation in light emitting diodes (Science 2002), and the synthesis of semiconductor colloidal quantum rods with polarized emission (Nature Materials 2003). In 2004, Banin reported on the selective growth of gold tips onto semiconductor nanocrystals (Science 2004, Nature Materials 2005) opening a field of study of hybrid nanoparticles combining disparate materials. He received an ERC advanced investigator grant to research hybrid nanocrystal systems (2010-2015). Banin and his team discovered a new form of hybrid nanocages (Nature Materials 2010), developed heavily doped semiconductor nanocrystals (Science 2011), and synthesized nanorod couples (Nature Materials 2014). The nanoparticles have potential for use in diverse field including displays, lighting, biology, solar energy, and electro-optics. In 2009, he founded Qlight Nanotech, a start-up company based on his inventions which develops the use of nanocrystals in display and lighting applications.







Prof. Ofer Mandelboim Department of Immunology and Cancer Research and Lautenberg Center Institute for Medical Research - Israel-Canada (IMRIC) Faculty of Medicine

RESEARCH





Dr. Zvi Peleg Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture

Zvi Peleg received his B.Sc. in life sciences from Ben-Gurion University and Ph.D. in genetics and physiology of wheat under drought conditions from the Hebrew University. He did his post-doctoral studies in Prof. Eduardo Blumwald's lab at University of California, Davis. In January 2012, Dr. Peleg joined the Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture, at the Hebrew University, as a senior lecturer. His research focuses on understanding and improving crop-plants adaptation to environmental stress.

Development of Monoclonal Antibody against NKp46 for the Treatment of Type 1 Diabetes Mellitus (T1D)

Council (ERC) advanced grant.

Research in my lab focuses on Natural Killer (NK) cell biology. NK cells belong to the innate immunity system, although recent evidences suggest that NK cells possess some adaptive properties, mainly a certain type of memory. NK cells kill a variety of hazardous pathogens and cells: including tumors, viruses parasites and bacteria. It is critical to understand how NK cells recognize and eliminate these various enemies and to discover the mechanisms developed by pathogens and tumor cells to escape NK cell attack as this might lead to the development of new medicines for treating these diseases. Because NK cells are efficient killers, their activity has to be tightly controlled. Indeed, the killing of NK cells can be inhibited by a very large family of inhibitory receptors, the second most polymorphic family of receptors in humans. Most inhibitory receptors found on NK cells bind class I MHC proteins that are present almost on all cells of our body; hence, normal healthy cells are protected from NK cell mediated killing. There are however, certain NK inhibitory receptors that do not interact with MHC class I proteins. In 2009, we identified a non-MHC binding NK inhibitory receptor that was named TIGIT. TIGIT is expressed on many different immune cells and is engaged by PVR and nectin2, two proteins highly expressed on many types of tumors. Hence, tumor cells expressing these proteins will be protected from immune cell attack. We developed blocking mAbs against TIGIT and demonstrated recently that practically all tumor infiltrating lymphocytes (TILs) in colon adenocarcinoma and melanomas express TIGIT.



The killing of NK cells is executed by activating NK cell receptors; two of these receptors are CD16 and NKp46. CD16 binds the Fc portion of various mAbs, however, surprisingly, although this receptor was discovered around 40 years ago we still do not know exactly the characteristics determining whether a certain Fc will bind to CD16 efficiently. This is of particular importance because there are several anti-tumor antibodies currently used in the clinic. If we will be able to identify a "super Fc" that will bind efficiently to CD16 we might be able to generate better antibodies (containing super Fc) for improving mAb-mediating cancer cell therapy.

of 1999, heads his own laboratory at Hebrew University's Medical School. He was appointed full professor in

molecular immunology in 2007, and has published more that 150 papers, H-Index 58 (Google scholar).

He has won several awards and prestigious grants, including the Teva Award, and a European Research







Sesame is one of the oldest crops in the world, and has been under cultivation in Asia for over 5,500 years. Sesame has been evaluated as a health food. The seeds of sesame are used for cooking and baking, or crushed for producing high-grade edible oil or oily paste (Tahini) and sweets. Sesame seed contains about 50% oil which is rich in linoleic acid and is very stable against oxidative degradation. The world production of sesame stands at 4.5 million ton and in recent years the demand for sesame seeds is rising due to its nutritional value. In spite of its economic and social importance, sesame is largely a neglected crop regarding which limited research has been conducted so far.

Our new biotechnology development will enable to cope with the main problem of this crop, capsule shattering, and genetically improve the yields and seed quality. We have developed new elite sesame lines that are suitable for mechanical harvest. These lines serve as basis for the reintroducing of sesame as a new summer crop in Israel. The introduction of mechanical harvest will enable modernization of this important crop and its use in intensive agriculture. Furthermore, introducing new summer crop is essential for Israeli agriculture, to improve rotation between crops and prevent the development of weed resistance to herbicides.

Development of New Elite Sesame Cultivars Adapted for Mechanical Harvest with Enhanced Yield and Seed Quality







Robert H. Smith Faculty of Agriculture, Food and Environment













Dr. Elad Horwitz Department of Immunology and Cancer Research Institute for Medical Research Israel-Canada Faculty of Medicine

Early in his studies, Elad Horwitz realized he wanted to pursue cancer research. As a graduate student, he joined the exciting group of Prof. Yinon Ben-Neriah where he was surrounded by elite young scientists who are today his best friends. Completing his dissertation, he postponed postdoctoral training to allow his wife to finish her internship in periodontology. During this period Elad joined a company developing novel treatment modalities for cancer. Recently, he returned to the academy to pursue his research aspirations and hopes to embark soon on postdoc studies abroad.

HCC punch biopsy

Graphical presentation of our innovation - predicting patients' response to sorafenib

FISH analysis

HCC patient

Methods of Predicting Efficacy of an Anti-VEGFA Treatment for Solid **Tumors**

Hepatocellular carcinoma (HCC) is the third leading cause of cancer death worldwide with a five year survival rate of less than 5%. The only approved drug treatment for unresectable HCC (the majority of cases) is the multikinase inhibitor sorafenib. However, the modest clinical response and the severe toxic side effects accompanying this drug render a true need of biomarkers for patient stratification prior to treatment.

Based on our studies in mice and patient samples, we suggest a simple and applicable method for the pre-treatment identification of cancer patients that are highly likely to hold a good clinical response to sorafenib and probably to the variety of other VEGF-A inhibiting drugs. Our method is applied through fluorescent in situ hybridization (FISH) that will be performed on tumor tissue samples using two fluorescent probes, one identifying the VEGF-A gene locus and one identifying the pericentromeric region of the human chromosome 6 (on which the gene for VEGF-A is encoded). This type of analysis identifies either genomic amplifications (a specific increase in the gene locus copies) or high and low copy gains (an increase in the entire chromosome number, i.e., polysomy).

In light of our findings in a mouse model, confirmed with a retrospective cohort of 187 human HCC patients, we claim that patients with VEGF-A gene amplifications or polysomy (high and low) are better responders to sorafenib and likely to any of the VEGF-A inhibiting drugs. Moreover, our retrospective cohort data suggest that sorafenib treatment may be detrimental in resected patients that do not harbor tumor VEGF-A gains.



educated treatment decision

Genomic gains in the VEGF-A gene were reported in other tumor types (e.g., lung and colorectal cancers) that are offered different VEGF-A targeting drugs (e.g., Bevacizumab or Sunitinib) therefore, the method we have developed can potentially benefit a wider variety of cancer patients undergoing different treatments





Ms. Geula Hanin

Department of Biological Chemistry, Silberman Institute of Life Sciences Faculty of Science Supervisor: Prof. Hermona Soreq

Geula Hanin was born in Moscow and grew up in Jerusalem. Her research focuses on microRNA suppressors of the enzyme Acetylcholinesterase (AChE). First, she identified potential microRNAs that target AChE (Hanin and Soreq, Frontiers of Molecular Neuroscience 2011). Focusing on the AChE targeting primate-specific microRNA-608, she demonstrated that impaired AChE-microRNA-608 interaction associates with hypertension, inflammation and anxiety (Hanin et al., Human Molecular Genetics 2014). Combining transgenic engineering with oligonucleotide treatment strategy, she recently discovered that microRNA-132, which also targets AChE, controls the link between stress and metabolic function, which is susceptible to therapeutic oligonucleotide treatment.

Down Regulating miRNA-132 for the Treatment of Lipid Related Disorders



Over a third of the world's population suffers from hyperlipidemia. This involves increased lipid accumulation in the blood and organs that results in elevated risk of life-threatening systemic complications, including diabetes, stroke and cardiac disease. However, the underlying molecular mechanisms are insufficiently understood and available therapeutic options are limited. Here, we report that microRNA (miRNA)-132 operates as a reversible metabolic amplifier of hyperlipidemia. MiRNAs are small 22-25 nucleotides long non-coding RNAs involved in all aspects of development and cell fate determination. They are particularly suitable for controlling the rapidly adjustable physiology of entire signaling systems by co-repressing numerous target transcripts rapidly and effectively and are amenable for therapeutic manipulations. We have previously identified miRNA-132 as an acetylcholinesterase-targeted, stress-inducible regulator of brain-body signaling by acetylcholine.

Given that cholinesterase mutations associate with hyperlipidemia, and that stroke and cardiac diseases involve reduced plasma acetylcholinesterase levels, we explored the potential role of peripheral miRNA-132 in hyperlipidemia. First, we engineered conditional transgenic mice with miR-132 over-expression in body tissues alone. Inducing miR-132 excess by doxycycline treatment exacerbated systemic and hepatic lipid accumulation in treated mice, which presented massively elevated body weight, liver triglycerides, plasma LDL/VLDL and metabolic transcripts; accompanied by simultaneous suppression of numerous miRNA-132 targets including acetylcholinesterase. To test the susceptibility of this phenotype to potential therapeutic interference, we further established a model of non-transgenic fattened mice. Those mice presented elevated hepatic levels of miRNA-132, increased liver weight, accumulation of hepatic lipid vacuoles and other biomarkers of hyperlipidemia and modified brain miRNA

profiles in the metabolism-controlling hypothalamus. Importantly, intravenous injection of the fattened mice with 10 mg/ Kg of chemically protected Anti-miRNA-132 antisense oligonucleotides lead to healthy lipid characteristics within one week, while retrieving normal levels of multiple miRNA-132 targets and reducing liver weight and triglycerides, plasma LDL/VLDL and fat vacuoles. That the hyperlipidemic phenotype may both be induced by peripheral miRNA-132 over-expression and suppressed by systemic antisense oligonucleotide treatment suggests causality and reversibility of peripheral miRNA-132-mediated changes in hyperlipidemia and identifies miRNA-132 as a promising target for therapeutic intervention with and reduction of the accompanying health risks of hyperlipidemia and obesity-associated metabolic diseases

KAYE-EINSTEIN SCHOLARSHIPS

ROIASOR Institute of Chemistry, Ph.D. Candidate Faculty of Science

REUT AVINUN Psychology, Ph.D. Candidate Faculty of Social Sciences

REBECCA BITON Institute of Archaeology, Ph.D. Candidate

DAPHNA GROSS-MANOS Paul Baerwald School of Social Work and Social Welfare, Ph.D. Candidate

ALISA KOMSKY-ELBAZ Department of Animal Sciences, Ph.D. Candidate Robert H. Smith Faculty of Agriculture, Food and Environment S 3-20

Inventor: Invention: Inventor:

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Invention:

Previous Prize Winners Kaye Innovation Awards at the Hebrew University of Jerusalem

Kaye Winners 2014

Prof. SIMON BENITA & Dr. TAHER NASSAR Institute for Drug Research (IDR) School of Pharmacy, Faculty of Medicine Development of an Original Nano-Delivery Platform for Markedly Improving the Oral Absorption of Poorly Absorbed Drugs and Proteins

Prof. SHLOMO MAGDASSI Casali Center for Applied Chemistry Institute of Chemistry, Faculty of Science Transparent Conductive Coffee Rings for Touch Screens

Prof. MICHAL BANIYASH

Department of Immunology and Cancer Research Institute for Medical Research - Israel-Canada Hebrew University-Hadassah Medical School Novel Prognostic/Diagnostic Biomarkers for Detecting the Immune Status of Patients Suffering from Diseases Characterized by Chronic Inflammation and Associated Immunosuppression

MICHAEL BRANDWEIN Biofilm Research Laboratory

Institute of Dental Sciences Faculty of Dental Medicine Novel AntiBiofilm/Antibacterial Polymer for Food Packaging

YOTAM BAR-ON

Department of Immunology and Cancer Research Institute for Medical Research - Israel-Canada Hebrew University-Hadassah Medical School Development of Novel Antibodies for the Treatment of Influenza Infections

Prof. ILAN SELA

Inventor:

Invention:

Inventor:

Invention:

Inventor:

Invention:

Inventor:

Invention:

Invention:

Invention:

Robert H. Smith Institute for Plant Sciences and Genetics Robert H. Smith Faculty of Agriculture, Food and Environment Silencing of Bee-Affecting Viral Genes in order to Control CCD

Prof. AVI DOMB

Institute for Drug Research (IDR) School of Pharmacy, Faculty of Medicine Maze Water Purification System

Prof. RAYMOND KAEMPFER

Department of Biochemistry and Molecular Biology Institute for Medical Research Israel-Canada (IMRIC) Hebrew University-Hadassah Medical School, Faculty of Medicine Reduction of Inflammatory Disease Symptoms with Short Peptides that Inhibit Signaling through CD28

URI BEN-DAVID

Department of Genetics Silberman Institute of Life Sciences Faculty of Science PluriSIns - Pluripotent Specific Inhibitors

MARGANIT COHEN-AVRAHAMI Inventor:

Institute of Chemistry Faculty of Science Transdermal Delivery Vehicles for NSAIDs: The Combination of Invention: Liquid Crystals with Cell-Penetrating Peptides

Inventor: NOA KAYNAN

Department of Immunology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC) Hebrew University-Hadassah Medical School, Faculty of Medicine Generation of 'Super' Fc Antibody for Improving Medical Treatments

Kaye Winners 2012

Inventor:	Prof. RAPHAEL (RAFFI) GOREN The Robert H. Smith Faculty of Agriculture, Food and Environment
Invention:	The Search for a Novel Water-Soluble Cyclopropene Derivative Antagonist (CPAS)
	of Ethylene Action in Agricultural Crops
Inventor:	Prof. SAUL YEDGAR
	Department of Biochemistry and Molecular Biology
	Institute for Medical Research Israel-Canada (IMRIC)
	Faculty of Medicine
Invention:	A Novel Class of Multi-Functional Anti-Inflammatory Drugs (MFAIDs)
	for the Treatment of Inflammatory/Allergic Diseases
Inventor:	Prof. HAYA LORBERBOUM-GALSKI
	Department of Biochemistry and Molecular Biology
	Institute for Medical Research Israel-Canada (IMRIC)
	Faculty of Medicine
Invention:	Cell and Organelle-Directed Protein Replacement Therapy for Mitochondrial and other Metabolic Diseases
Inventor:	LITAL MAGID

Institute for Drug Research Faculty of Medicine Novel Cannabinoid Receptor Type 2 Selective Agonists for the Treatment of Inflammatory Conditions and Acute Central Nervous System Injury

Inventor:	IDIT SAGIV-BARFI Alexander Silberman Institute of Life Sciences Faculty of Science
Invention:	Novel T Cells Proliferation Inhibitors
Inventor:	CHAMUTAL GUR, M.D.
	PhD student under the supervision of Prof. Ofer Mandelboim
	Lautenberg Center for General and Tumor Immunology
	Institute for Medical Research Israel-Canada (IMRIC)
	Faculty of Medicine
Invention:	Generation of Anti-NKp46 mAb for the Treatment of Type 1 Diabetes

Kaye Winners 2011

In	ventor:	Prof. HAIM D. RABINOWITCH Robert H. Smith Institute of Plant Sciences and Genetics in Agri Pobert H. Smith Faculty of Agriculture, Food and Environment
In	vention:	Genetic Innovations in Vegetable Crops: The Cornerstone of Israel's Prominence in Hi-BioTech Seed Industries
In	ventor:	Prof. DAN GAZIT
		Skeletal Biotech Laboratory
L		Faculty of Dental Medicine
In	vention:	in Tissue Engineering and Regenerative Medicine
In	ventor:	Dr. RAANAN FATTAL
		Benin School of Computer Science and Engineering, Faculty of
In	vention:	Second-Generation Wavelet-Based Image Enhancement
In	ventor:	Ms. KATY MARGULIS-GOSHEN
		Casali Institute of Applied Chemistry, Faculty of Science
In	vention:	Formation of Organic Nanoparticles from Microemulsions: Enh
		for Improved Biological Performance in Pharmaceutics, Agricul
In	ventor:	Mr. YFTAH TAL-GAN
		Institute of Chemistry, Faculty of Science
In	vention:	Development of New Peptide-Based Inhibitors of Protein Kinas
		as Potential Drugs for Cancer
In	ventor:	Ms. ADA GRIN
		Institute for Drug Research
		Faculty of Medicine
In	vention:	Tissue Regeneration Membrane

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lications

Science

ancing Water Solubility lture and Cosmetics

se B (PKB)

Kav	e Winners 2010	Inventor:	Mr. DIMA LIBSTER PhD student of Prof. Nissim Garti and Prof. Gil Shoham,
		Invention	Casali Institute of Applied Chemistry, Faculty of Science
Inventor:	Prof. NISSIM BENVENISTY	Invention.	Solubilization and Structural Characterization
	Silberman Institute of Life Sciences, Faculty of Science	_	
Invention:	Technologies to Enable Directed Differentiation of Human Embryonic Stem Cells	Inventor:	Mr. SHAUL LAPIDOT
т.,			PhD student of Prof. Oded Snoseyov, Smith Institute for F Robert H. Smith Faculty of Agriculture, Food & Environ
Inventor:	PTOL ODED SHOSEYOV The Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture	Invention:	Compositions Comprising Fibrous Polypeptides and Poly
	The Robert H. Smith Faculty of Agriculture. Food and Environment		••••••••••••••••••••••••••••••••••••••
Invention:	Molecular Farming of Human Recombinant Collagen in Transgenic Tobacco Plants	Inventor:	Ms. NETA PESSAH
			PhD student of Prof. Meir Bialer and Prof. Boris Yagen, S
Inventor:	Prof. SHMUEL PELEG	Invention:	α -Fluoro and α -Chloro 2,2,3,3 -Tetramethycyclopropylca
T d	Benin School of Computer Science and Engineering, Faculty of Science		Iwo Novel Chemical Entities for the Treatment of Epilep
Invention:	Video Synopsis: Summarizing and Indexing Surveillance Video		
Inventor:	Prof. ALEXANDER VAINSTEIN		
	The Robert H. Smith Institute of Plant Sciences and Genetics in Agriculture	Kon	~ 10000
т.,	The Robert H. Smith Faculty of Agriculture, Food and Environment	K (JV	
Invantion			
mvenuon.	Towards Tailor-Made Crops and Compounds		
Invention:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON	Inventor:	Prof. DANIEL COHN
Invention:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences	Inventor:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis
Invention: Invention:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications.	Invention:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of
Invention: Invention:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications.	Inventor: Invention: Inventor:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention o Prof. HERMONA SOREO
Inventor: Invention: Inventor:	Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI	Inventor: Invention: Inventor:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of
Invention: Invention: Inventor:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science	Inventor: Invention: Inventor: Invention:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A
Invention: Invention: Inventor: Inventor:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordines and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics	Inventor: Invention: Inventor: Invention:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A
Invention: Invention: Inventor: Invention:	Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics	Inventor: Inventor: Inventor: Inventor: Inventor:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT
Invention: Invention: Invention: Invention: Invention:	 Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT 	Inventor: Invention: Invention: Invention: Inventors: Invention:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs
Invention: Invention: Inventor: Invention: Inventors:	 Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine 	Inventor: Inventor: Inventor: Inventor: Inventors: Inventors:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs
Invention: Invention: Inventor: Invention: Inventors:	 Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI 	Inventor: Inventor: Inventor: Inventor: Inventor: Inventor: Inventor:	Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs Mr. YANIV SEMEL
Invention: Invention: Inventor: Invention: Inventors:	 Towards Tailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI PhD Supervisor: Prof. Gad Glaser Department of Developmental Biology and Cancer Research Institute for Medical Research Israel Canada (IMBIC). Faculty of Medicine 	Inventor: Inventor: Inventor: Inventor: Inventors: Inventor: Inventor:	 Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs Mr. YANIV SEMEL PhD student under the supervision of Prof. Dani Zamir
Invention: Invention: Invention: Invention: Invention: Invention:	Iowards Iailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI PhD Supervisor: Prof. Gad Glaser Department of Developmental Biology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC), Faculty of Medicine Compounds for Treating Bacterial Infections	Inventor: Invention: Invention: Inventors: Inventors: Invention:	 Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs Mr. YANIV SEMEL PhD student under the supervision of Prof. Dani Zamir The Robert H. Smith Institute of Plant Sciences and Gene
Invention: Invention: Invention: Invention: Invention: Invention:	Iowards Iaitor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI PhD Supervisor: Prof. Gad Glaser Department of Developmental Biology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC), Faculty of Medicine Compounds for Treating Bacterial Infections	Inventor: Inventor: Inventor: Inventor: Inventors: Inventor: Inventor:	 Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs Mr. YANIV SEMEL PhD student under the supervision of Prof. Dani Zamir The Robert H. Smith Institute of Plant Sciences and Gene Faculty of Agricultural, Food and Environmental Quality
Invention: Invention: Invention: Invention: Invention: Invention: Invention:	Iowards Iailor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI PhD Supervisor: Prof. Gad Glaser Department of Developmental Biology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC), Faculty of Medicine Compounds for Treating Bacterial Infections Mr. MICHAEL GROUCHKO	Inventor: Inventor: Inventor: Inventor: Inventor: Inventor: Inventor: Inventor:	 Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs Mr. YANIV SEMEL PhD student under the supervision of Prof. Dani Zamir The Robert H. Smith Institute of Plant Sciences and Gene Faculty of Agricultural, Food and Environmental Quality Phenom Networks: A Web-based System for the Analysis on Both Plants and Animals for Breading and Basearch
Invention: Invention: Invention: Invention: Invention: Invention: Invention:	Iowards Tautor-Made Crops and Compounds Ms. MICHAL ISAACSON PhD student of Dr. Noam Shoval, Department of Geography, Faculty of Social Sciences A Novel System for Tracking and Analyzing Human Spatial Behavior by Monitoring People's Mobility for Tourism, Town Planning and Healthcare Applications. Mr. AVIAD HAI PhD student of Prof. Micha Spira Department of Neurobiology Alexander Silberman Institute of Life Sciences Faculty of Science In-cell Recordings and Stimulation: A Fundamental Breakthrough Concept and Technology for Neuroprosthetics Mr. EZEQUIEL WEXSELBLATT PhD Supervisor: Prof. Jehoshua Katzhendler Institute for Drug Research, School of Pharmacy, Faculty of Medicine Mr. ROEE VIDAVSKI PhD Supervisor: Prof. Gad Glaser Department of Developmental Biology and Cancer Research Institute for Medical Research Israel-Canada (IMRIC), Faculty of Medicine Compounds for Treating Bacterial Infections Mr. MICHAEL GROUCHKO PhD student of Prof. Shlomo Magdassi Casali Institute of Applied Chemistry, Institute of Chemistry	Inventor: Inventor: Inventor: Inventors: Inventor: Inventor: Inventor:	 Prof. DANIEL COHN Casali Institute of Applied Chemistry, Institute of Chemis Tailor-made Biodegradable Polymers for the Prevention of Prof. HERMONA SOREQ Department of Biological Chemistry, Silberman Institute of Engineered Human Cholinesterases and RNA-Targeted A Dr. ARIE DAGAN and Prof. SHIMON GATT Department of Biochemistry, Faculty of Medicine Development of Novel Anti-cancer Drugs Mr. YANIV SEMEL PhD student under the supervision of Prof. Dani Zamir The Robert H. Smith Institute of Plant Sciences and Gene Faculty of Agricultural, Food and Environmental Quality Phenom Networks: A Web-based System for the Analysis on Both Plants and Animals for Breeding and Research

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Inventor:	Prof. ABRAHAM HOCHBERG
	Department of Biological Chemistry, Faculty of Science
Invention:	From a Noncoding Oncofetal RNA to Cancer Therapy: P
Inventor:	Prof. SHLOMO SASSON
	Department of Pharmacology & Experimental Therapeut
Invention:	Novel D-Xylose Derivatives: A New Class of Antihyperg
Inventor:	Prof. DAPHNE ATLAS
	Department of Biological Chemistry, Faculty of Science
Invention:	Development of Small Molecules for the Treatment of N
Inventor:	Prof. ARIEH GERTLER
	Institute of Biochemistry, Food Science and Nutrition,
	Robert H. Smith Faculty of Agriculture, Food and Enviro
Invention:	Development of Leptin Antagonists and their Potential U
Inventor:	Mr. SHAY SELA
	PhD student of Prof. Eli Keshet, Institute for Medical Re
Invention	The Identification of a Novel Prognostic and Diagnostic

Invention:

n:	From a Noncoding Oncofetal RNA to Cancer Therapy: Personalizing Medicine with H19
:	Prof. SHLOMO SASSON
	Department of Pharmacology & Experimental Therapeutics, School of Pharmacy
n:	Novel D-Xylose Derivatives: A New Class of Antihyperglycemic Compounds
:	Prof. DAPHNE ATLAS
	Department of Biological Chemistry, Faculty of Science
n:	Development of Small Molecules for the Treatment of Neurodegenerative Diseases
:	Prof. ARIEH GERTLER
	Institute of Biochemistry, Food Science and Nutrition,
	Robert H. Smith Faculty of Agriculture, Food and Environment
n:	Development of Leptin Antagonists and their Potential Use as Therapeutic Modalities

Air Stable Copper Nanoparticles: Conductive Inks for Printed Electronics

Institute for Medical Research Israel-Canada, Faculty of Medicine The Identification of a Novel Prognostic and Diagnostic Marker of Preeclampsia

of Therapeutic Peptides for Transdermal Administration:

itute for Plant Sciences and Genetics in Agriculture Environment and Polysaccharides

Yagen, School of Pharmacy propylcarboxamide: of Epilepsy and Other Disorders

f Chemistry, Faculty of Science vention of Post-surgical Adhesions

Institute of Life Sciences, Faculty of Science argeted Agents to Suppress Their Functioning

and Genetics in Agriculture l Quality Sciences Analysis of Quantitative Phenotypes

PhD and DMD student under the supervision of Prof. Dan Gazit Skeletal Biotechnology Laboratory, Faculty of Dental Medicine Scaffolds with Oxygen Carriers and Their Use in Tissue Engineering

Mr. NADAV KIMELMAN-BLEICH

Mr. DIMA SHEYNI

Mr. MATAN RAPOPORT

as a Proof-of-principle

Inventor:

Invention:

Inventor:

Invention:

Inventor:

Invention:

PhD student of Prof. Dan Gazit, Skeletal Biotechnology Laboratory, Faculty of Dental Medicine Ultrasound-based Non-viral Gene Delivery Induces Bone Formation In Vivo

PhD student under the supervision of Prof. Haya Lorberboum-Galski Department of Cellular Biochemistry and Human Genetics, Faculty of Medicine Enzyme Replacement Therapy for Mitochondrial Disorders: Lipoamide Dehydrogenase Deficiency

Prof. DANI ZAMIR

Inventor:

Invention:

Inventors:

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Invention:

Smith Institute of Plant Sciences and Genetics in Agriculture Faculty of Agricultural, Food and Environmental Quality Sciences Improving Plant Breeding Using Exotic Genetic Libraries

Prof. MEIR BIALER and Prof. BORIS YAGEN

Departments of Pharmaceutics, and Medicinal Chemistry and Natural Products School of Pharmacy, Faculty of Medicine Design and Development of Valnoctamide: A New Drug with Stereoselective CNS Activities

Prof. LEO JOSKOWICZ

School of Engineering and Computer Science, Faculty of Science An Image-guided System with a Miniature Robot for Precise Positioning and Targeting in Keyhole Neurosurgery

Mr. YANIV LINDE

Student of Prof. Chaim Gilon, Department of Organic Chemistry, Faculty of Science A Novel Oral Anti-obesity Drug Candidate: Reduction of Food Consumption by Melanocortin-4 Peptide Agonist

Mr. EREZ PODOLY

Student of Prof. Hermona Soreq, Department of Biological Chemistry, Faculty of Science A Natural Brain Protein Protection from Alzheimer's Disease

Inventor: Mr. MORAN FARHI

Student of Prof. Alexander Vainstein and Dr. Hagai Abeliovich Smith Institute of Plant Sciences and Genetics in Agriculture Faculty of Agricultural, Food and Environmental Quality Sciences Engineering Saccharomyces cerevisiae for the Production of Methylbenzoate and Resistance to Benzoic Acide for Uses in the Food Industry

Inventor: Mr. YUVAL AVNIR

Student of Prof. Yechezkel Barenholz, Department of Biochemistry, Faculty of Medicine Liposomal Glucocorticoids for Treating Inflammatory States

Kaye Winners 2006

Inventor:	Dr. YONATAN ELKIND Smith Institute of Plant Sciences and Genetics in Agriculture Faculty of Agricultural, Food and Environmental Quality Sciences
Invention:	Breeding of Pepper Varieties Adapted for Protected Cultivation under Mild Winter Conditions
Inventor:	Prof. ELKA TOUITOU Department of Pharmaceutics. School of Pharmacy, Faculty of Medicine
Invention:	Ethosome Innovative Technology
Inventor:	Prof. MOSHE KOTLER Department of Pathology, Faculty of Medicine
Invention:	A Prophylactic Vaccine Preventing a Mortal Viral Disease of Koi Fish and Carps
Inventors:	Prof. MEIR BIALER and Prof. BORIS YAGEN
	Departments of Pharmaceutics, and Medicinal Chemistry and Natural Products, School of Pharmacy, Faculty of Medicine
Invention:	Design and Development of a New Drug with Enantioselective CNS Activities - Propylisopropyl Acetamide (PID)
Inventor:	Ms. ELENA KHAZANOV
T	Student of Prof. Yechezkel Barenholz, Department of Biochemistry, Faculty of Medicine
Invention:	rumorosuppressive rinerapy by Liposome Containing both Doxorubicin and Ceramide
Inventor:	Mr. YEHOSHUA MAOR

Student of Prof. Raphael Mechoulam, Department of Medicinal Chemistry and Natural Products, School of Pharmacy, Faculty of Medicine Novel Anti-hypertensive Agents based on Cannabis Constituent with Anti-inflammatory Properties-synergistic Beneficial Cardiovascular Effects

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Mr. NIR QVIT Inventor:

Student of Prof. Chaim Gilon, Department of Organic Chemistry, Faculty of Science SIB: Small Integrated Building Blocks

Inventor:

Invention:

Invention:

Invention:

Ms. KHULOUD TAKROURI Student of Prof. Morris Srebnik Department of Medicinal Chemistry and Natural Products, School of Pharmacy, Faculty of Medicine Synthesis and Anti-microbial Activity of a Novel Series of Alkyldimethylamine Cyanoboranes and their Derivatives

Kaye Winners 2005

Inventors:	Prof. SHLOMO MAGDASSI and Dr. YELENA VINETSK Casali Institute of Applied Chemistry. Faculty of Science
Invention:	Ceramic Ink Jets for Digital Printing on Glass
Inventor:	Dr. ZEHAVA UNI
Invention:	Enhancement of Development of Oviparous Species by In Ov Supplements before They Hatch to Produce More Robust Chief
Inventor:	Prof. SIMON BENITA
Invention:	Cationic Emulsions for Ophthalmic Drug Delivery
Inventor:	Prof. URI BANIN Department of Physical Chemistry and Center for Nanoscienc
Invention:	Semiconductor Nanocrystals for Optical, Electronic, Imaging
Inventor:	Mr. TALEB MOKARI Student of Prof. Uri Banin
Invention:	Semiconductor Nanocrystals with Conductive Zone
Inventor:	Mr. ADEL JABBOUR Student of Prof. Doron Steinberg and Prof. Morris Srebnik Department of Medicinal Chemistry and Natural Products, Sc Faculty of Dental Medicine
Invention:	Interfering in Bacterial Cross-talk: A Novel Means to Influence
Inventor:	Ms. NATALYA KOGAN Student of Prof. Raphael Mechoulam, Department of Medicin School of Pharmacy, Faculty of Medicine
Invention:	Cancer Drug – Use of Quinonoid Derivatives of Cannabinoids in the Treatment of Malignancies
Inventor:	Mr. RANI POLAK Student of Brof, Eran Coldin and Dr. Eitan Israeli, Faculty of J
Invention:	GourMed – Cooking school that will develop recipes and run with dietary limitations due to chronic diseases
Inventors:	Staff of Prof. MICHA WEISS

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and Environmental Quality Sciences vo Feeding - Feeding Eggs with Natural Nutrient icks

f Medicine

ce and Nanotechnology, Faculty of Science and Biological Applications

ce and Nanotechnology, Faculty of Science

chool of Pharmacy and Institute of Dental Sciences,

ce Pathogenicity of Biofilms

nal Chemistry and Natural Products,

ls and Such Novel Compounds

Medicine a course for people

Department of Computerized Information Systems, Computerized Student Course Registration Project Team Computerized Student Course Registration Project Team"Smart Raffle"

\mathcal{O}	Kay	e Winners 2004
	Inventor:	Prof. AMNON SHASHUA School of Engineering and Computer Science, Faculty of Science
	Invention:	Monocular Visual Processing for On-board Driving Assistance
ĽĽ	Inventors:	Prof. ITAMAR WILLNER , Dr. EUGENII KATZ , Dr. FERNANDO PATOLSKY and Mr. YOSSI WEIZMANN Institute of Chemistry, Faculty of Science
	Invention:	Optoelectronic Detection of Telomerase in Cancer Cells: Development of a Screening Test for Urinary Bladder in Urine Samples
	Inventors:	Prof. MICHAEL FRIEDMAN and Prof. AMNON HOFFMAN Department of Pharmaceutics, School of Pharmacy, Faculty of Medicine Dr. ERAN LAVY
$\overline{}$	Invention:	Koret School of Veterinary Medicine, Faculty of Agricultural, Food and Environmental Quality Sciences Novel Gastro-retentive Dosage Form (GRDF) – A Means for Sustained Administration of Drugs with Narrow Absorption Window at the Upper Gastrointestinal Tract
	Inventors:	Mr. AVIRAM SPERNATH and Ms. IDIT YULI-AMAR
	Invention:	Students of Prof. Nissim Garti, Casali Institute of Applied Chemistry, Faculty of Science New Nanosized Vehicles for Triggering and Targeting of Phytochemicals
	Inventor:	Ms. AVITAL TORRES-KERNER Student of Prof. Morris Srebnik, Department of Medicinal Chemistry and Natural Products, School of Pharmacy
	Invention:	New Natural Sunscreens: UVR Absorbing Compounds from Lichens and Cyanobateria
—	Inventor:	Dr. HIJAZI ABU ALI Student of Prof. Morris Srebnik, Department of Medicinal Chemistry and Natural Products, School of Pharmacy, Faculty of Medicine
	Invention:	Novel Organoboronic Compounds – Synthesis and Biological Activity
	Inventor:	Mr. TAREQ JUBETH Student of Prof. Abraham Rubinstein and Prof. Yechezkel Barenholz, Departments of Pharmaceutics and Biochemistry, Faculty of Medicine
	Invention:	Targeting the Intestinal Mucosa by Charged Liposomes
	Inventor:	Mr. OMRI BEN-ZION Student of Prof. Amos Nussinovitch Institute of Biochemistry, Food Science and Nutrition Faculty of Agricultural, Food and Environmental Quality Sciences
	Invention:	Novel Method and Apparatus for Testing the Rolling Tack of Pressure-sensitive Adhesive Methods

Kaye Winners 2003

Inventors:	Prof. NISSIM GARTI and Dr. ABRAHAM ASERIN Casali Institute of Applied Chemistry. Faculty of Science
Invention:	Nano-sized Self-assembled Structured Liquids
Inventor:	Dr. ABDULLAH HAJ-YEHIA Department of Pharmaceutics, School of Pharmacy, Faculty
Invention:	Design, Synthesis and Biological Activity of Novel Hybrid
Inventor:	Dr. JONATHAN MIRVIS Melton Centre for Jewish Education, School of Education
Invention:	Florence Melton Adult Mini-School: A Social Franchise Mo
Inventor:	Ms. DRORA BALAGA Smith Institute of Plant Sciences and Genetics in Agriculture Faculty of Agricultural Food and Environmental Quality Sciences
Invention:	"TOMATO" Computerized System, Breeding Hybrid Variet
Inventor:	ENG. TOM KOEVARY
Invention:	Casali Institute of Applied Chemistry, Faculty of Science The Centre for Process Development: A Platform for Thousa
Inventor:	Prof. ZICHRIA ZAKAY-RONES Institute of Microbiology, Faculty of Medicine
Invention:	Anti-cancer Therapy by Newcastle Disease Virus (NDV)
Inventor:	Mr. ARIE GRUZMAN Student of Prof. Shlomo Sasson, Department of Pharmacolog Faculty of Medicine
Invention:	Novel Anti-hyperglycemic Drugs
Inventor:	Ms. AVIVA JOSEPH Student of Prof. Eli Kedar and Prof. Yechezkel Barenholz, T
Invention:	and Department of Biochemistry, Faculty of Medicine INFLUSOME-VAC, 3 Novel, Highly Efficient Influenza Va
Inventor:	Mr. HADI ASLAN Student of Prof. Dan Gazit, Skeletal Biotechnology Laborat
Invention:	Novel Methods for Stem Cells Based Therapy
Inventor:	Mr. SHAI SHALEV-SHWARTZ Student of Prof. Yoram Singer, School of Engineering and C
Invention:	A Query Melody System
Inventor:	Mr. MICKEY KOSLOFF Student of Prof. Zvi Selinger, Silberman Institute of Life Sc
Invention:	Drug-assisted Catalysis, Novel Cancer Therapeutics
Inventor:	Mr. ABED AL-AZIZ QUNTAR Student of Prof. Morris Srebnik, Department of Medicinal C
Invention:	The Synthesis of Novel Di-and Tri-Vinylphosphonates

of Medicine Drugs

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gy and Experimental Therapeutics, School of Pharmacy,

The Lautenberg Center for Immunology

accines

ory, Faculty of Dental Medicine

Computer Science, Faculty of Science

iences, Faculty of Science

Chemistry and Natural Products, School of Pharmacy,

Inventors:

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Invention:

Prof. SHMUEL BEN-SASSON Inventor: Department of Experimental Medicine and Cancer Research, Faculty of Medicine Invention: Kin-Ace Technology - A Broad Platform Technology for Disease Control via the Interception of Intracellular Signaling

> Prof. MICHAEL SELA and Dr. DORON STEINBERG Department of Oral Biology, Faculty of Dental Medicine Prof. MICHAEL FRIEDMAN School of Pharmacy, Faculty of Medicine Prof. W. AUBREY SOSKOLNE Department of Periodontics, Faculty of Dental Medicine Periochip-sustained Release Treatment for Periodontal Diseases

Prof. GERSHON GOLOMB Department of Pharmaceutics, School of Pharmacy, Faculty of Medicine Nanoparticulate Drug Delivery Systems for Restenosis Therapy

Prof. SHMUEL PELEG School of Engineering and Computer Science, Faculty of Science OMNISTEREO: Capturing and Viewing 3D Stereoscopic Panoramic Images

Dr. SHLOMO YITZCHAIK Department of Inorganic and Analytical Chemistry, Faculty of Science Molecular Layer Epitaxy (MLE)

Dr. WILLIAM (BILL) BREUER Department of Biological Chemistry, Faculty of Science A Test for the Detection of Toxic Forms of Iron in Human Plasma

Dr. ITSHAK GOLAN The Lautenberg Center for Immunology, Faculty of Medicine Novel CD44 Variant: Potential Target in the Therapy of Rheumatoid Arthritis

Mr. EYTAN KLAUSNER Department of Pharmaceutics, School of Pharmacy, Faculty of Medicine Novel Gastroretentive Dosage Forms

Ms. NINA ISOHERRAREN Department of Pharmaceutics, School of Pharmacy, Faculty of Medicine Invention: New Anti-epileptic Drug

> Mr. ALEXEI SHIR Department of Biological Chemistry, Faculty of Science Targeted dsRNA Brain Cancer Therapy

Mr. FERNANDO PATOLSKY Institute of Chemistry, Faculty of Science Creating Multi-stress Resistance in Arabidopsis

Mr. ALEXANDER MAZEL Department of Plant Sciences, Faculty of Science Creating Multi-stress Resistance in Arabidopsis Plants Invention:

Ms. LITAL ALFONTA Institute of Chemistry, Faculty of Science An Electronic Sensor to Identify Drug Resistance in HIV Patients Invention:

> Mr. YOSSI GAFNI Skeletal Biotechnology Laboratory, Faculty of Dental Medicine Vascular Tissue Engineering

> Dr. GADI PELLED Skeletal Biotechnology Laboratory, Faculty of Dental Medicine Engineering of Complex Hybrid Tissues

Kaye Winners 2001

Inventor:	Prof. EDUARDO MITRANI
Invention:	Silberman Institute of Life Sciences, Faculty of Science Micro-organ Technology for Genetically Engineered Bio-pur
Inventor:	Prof. SIMON BENITA Department of Pharmaceutics, School of Pharmacy, Faculty o
Invention:	Drug Delivery through Positively Charged Submicron Emulsi
Inventors:	Mr. DANNY VINITSKY and Mr. EITAN RAZ Department of Computerized Information Systems Mr. YEHAVI BOURVINE
Invention:	Computation Center Short Message Service (SMS) Supplied by All Cellphone Ope to Students' Phones
Inventor:	Dr. ANDREW SHIPWAY
Invention:	Novel Technology for the Generation of Electronic Circuits U
Inventors:	Prof. YONA CHEN , Prof. YITZHAK HADAR and Mr. AM Department of Soil and Water Sciences, Faculty of Agricultur
Invention:	"RollCom" - A Novel, Simple and Easy to Operate Composti
Inventor:	Prof. ITAMAR GATI
Invention:	"Future Directions" Internet Site to Facilitate Career Decision
Inventor:	Ms. MIRIAM V. KOTT-GUTKOWSKI Silberman Institute of Life Sciences Faculty of Science
Invention:	MDRTL Ex-Vivo Kit Measure and Select Effective Multi-dru
Inventor:	Ms. SUSANNA TCHILIBON School of Pharmacy, Faculty of Medicine
Invention:	HU-320 Anti-inflammatory Drug
Inventor:	Mr. YEHUDA GIL

Kaye Winners 2000

Invention:

The Center for Multimedia-Assisted Instruction

Inventor:	Prof. MARTA WEINSTOCK-ROSIN
	Department of Pharmacology, School of Pharmacy, Faculty
Invention:	Development of Exelon: A Drug for the Treatment of Alzhei
Inventor:	Prof. MEIR BIALER
	Department of Pharmaceutics, School of Pharmacy, Faculty
Invention:	Valproyl Glycinamide (TV 1901): A New Anti-epileptic (AE
	Neuropathic Pain and Mania
Inventors:	Prof. AVNER ADIN and Dr. NICOLAI VESCAN
	Assistants: Ms. RIVKA KALBO and Ms. LUBA RUBINS
	Division of Environmental Sciences, School of Applied Scie
Invention:	"Electro-Flocculation" for Water Treatment and Reuse
Inventor:	Dr. BARUCH SCHWARZ
	School of Education
Invention:	The "Kishurim Project"

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erators Sending Short Text Messages

Jsing a Novel Computer-assisted Printing Method

IIR TOAR ral, Food and Environmental Quality Sciences ing Apparatus

chool of Education Making

ig Resistance Blocker

The Mobile Smart Table-MST Combining Various Multimedia Accessories

of Medicine imer's Disease (AD)

of Medicine ED) and CNS Drug for the Treatment of Migrane,

TEIN ence, Faculty of Science

Mr. ITAI PELES Computer Authority, Ein Kerem IBTS-Internet Based Testing System to Replace Traditional Questionnaires and Written Tests

Mr. REUVAN AMAR Computer Authority, Mount Scopus HUDAP-Hebrew University Data Analysis Package

Mr. MEIR GLICK

Inventor:

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Department of Medicinal Chemistry, School of Pharmacy, Faculty of Medicine Novel Stochastic Algorithm for Use in Life Sciences, Physics, Telecommunications and Economics

Mr. GIL RONEN Inventor:

Department of Genetics, Silberman Institute of Life Sciences, Faculty of Science Invention: Novel Plant Gene "B" and Methods to Genetically Manipulate Color Formulation in Plants

Inventor: Mr. NIR SITVANI

Department of Animal Sciences, Faculty of Agricultural, Food and Environmental Quality Sciences Antelope-like Stimulating Device to Reduce Stress of Wild Animals in Captivity

Kaye Winners 1999

	Inventor	Dr. ODED SHOSEVOV		Reactive Organic Sol-gel Ceramic Materials
	inventor.	Department of Plant Pathology and Microbiology,	Inventor:	Prof. JOSEPH HIRSCHBERG
		Faculty of Agricultural, Food and Environmental Quality Sciences	T	Silberman Institute of Life Sciences, Faculty of Sci
_	Invention:	CBD Technology – Using the CBD Protein to Bind Various Molecules to Cellulose	Invention:	Genetic Engineering of Astaxanthin Production in
	Inventor:	Prof ELISHA TEL-OR	Inventor:	Mr. AMIR ZUKER
	mrentor.	Department of Agricultural Botany and Otto Warburg Center for Biotechnology in Agriculture	Invention	Kennedy-Leigh Centre for Horticultural Research, F
		Faculty of Agricultural, Food and Environmental Quality Sciences	Invention.	Transgeme Carnation Flants with Novel Characteri
	Invention:	Azolla Biofilter for Waste Treatment	Inventor:	Mr. GALEN MARQUIS
	Inventor	Prof HERMONA SORFO	Invention.	Production of the Hebrew University of Ierusalem
	mventor.	Department of Biological Chemistry Faculty of Science	in control.	requestion of the recipient of the state of the
	Invention:	Antisense Technology – To Treat Various Neurodegenerative Syndromes	Inventor:	Mr. JEHUDA BASNIZKI
			Invention:	Novel Seed-planted Hybrid Varieties of the Globe
	Inventors:	Mr. YARON BEN-ETZION		······································
		Head of Manpower and Payroll	Inventor:	Mr. ALEXEY KAMYSHNY
		Ms. CHAVA SPRUCH	. .	Casali Institute of Applied Chemistry, Faculty of So
		Head of Payroll System, Department for Computerized Information Systems	Invention:	Form III Aspartame
	Invention:	A Solution for BUG 2000		
	Inventor:	Mr. LEON MARGOLIN		
		Department of Anatomy and Cell Biology, Faculty of Medicine		

A Mask for the Treatment of Headaches

Mr. GADI TURGEMAN

Bone Gene Therapy and Molecular Pathology Laboratory, Faculty of Dental Medicine The Reciprocal Differentiation System, Controlling the Level of BMP2 Expression

Kaye Winners 1998

Inventor:	Prof. ITAMAR WILLNER Institute of Chemistry, Faculty of Science
Invention:	Layered Electrically-Contacted Enzyme-Electrodes and Antig Assembles for Electrochemical and Piezoelectrical Biosensor
Inventors:	Prof. NISSIM GARTI Casali Institute of Applied Chemistry, Faculty of Science Dr. YURI FELDMAN
Invention:	Department of Applied Physics, Faculty of Science Time Domain Dielectric Spectrometer (TDDS) for Investigat
Inventors:	Prof. MICHAEL SCHIEBER, Dr. JACOB NISSENBAUM School of Applied Science. Faculty of Science
Invention:	Polycrystalline Hg 12 X-Ray Detector Plates for Digital Radi
Inventors:	Prof. DAVID AVNIR Institute of Chemistry, Faculty of Science Prof. SERGEI BRAUN Silberman Institute of Life Sciences. Faculty of Science.
	Prof. OVADIA LEV Division of Environmental Sciences, Faculty of Science Prof. MICHAEL OTTOLENGHI
Invention:	Reactive Organic Sol-gel Ceramic Materials
Inventor:	Prof. JOSEPH HIRSCHBERG Silberman Institute of Life Sciences, Faculty of Science
Invention:	Genetic Engineering of Astaxanthin Production in Transgenic
Inventor:	Mr. AMIR ZUKER Kennedy-Leigh Centre for Horticultural Research, Faculty of A
Invention:	Transgenic Carnation Plants with Novel Characteristics
Inventor:	Mr. GALEN MARQUIS Institute of Jewish Studies. Faculty of Humanities
Invention:	Production of the Hebrew University of Jerusalem Bible Proj
Inventor:	Mr. JEHUDA BASNIZKI Silberman Institute of Life Sciences, Faculty of Science
Invention:	Novel Seed-planted Hybrid Varieties of the Globe Artichoke
Inventor:	Mr. ALEXEY KAMYSHNY Casali Institute of Applied Chemistry, Faculty of Science

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tion of Advanced Materials and Medical Systems , Dr. LEONID MELKHOV and Ms. ASAF ZUCK iology

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gricultural, Food and Environmental Quality Sciences

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Prof. YECHEZKEL BARENHOLZ and DR. RIVKA COHEN Inventors: Department og Biochemistry, Faculty of Medicine Prof. ALBERTO GABIZON and Dr. DORIT GOREN Hadassah University Hospital Invention: DOXIL - Liposomal Doxorubicin for Cancer Treatment

> Prof. DAPHNE ATLAS Department of Biological Chemistry, Faculty of Science A New Anti-Parkinson's Drug

Prof. NAVA BEN-ZVI Center for Multimedia Assisted Instruction Mr. DAVID RASHTY Computation Center Mr. **ÊLI KANAI** Snunit Educational Information System, Faculty of Science Snunit Educational Information System

Mr. YOAV SMITH Faculty of Medicine The Dermal Imaging System

Ms. VARDA HERSHKO Institute of Biochemistry, Food Science and Nutrition, Faculty of Agriculture Hydrocolloid Coatings for Food and Agricultural Products

Mr. SHMARYAHU EZRAHI Casali Institute of Applied Chemistry, Faculty of Science Invention: Fire-resistant Hydraulic Fluids

Kaye Winners 1996

Inventor: Prof. SHABTAY DIKSTEIN School of Pharmacy, Faculty of Medicine Invention: Development of Topically-applied Drugs for the International Market

Prof. ABRAHAM SZTEJNBERG Inventor: Department of Plant Pathology and Microbiology, Faculty of Agriculture AQ10: A Novel Biofungicide for the Control of Plant Diseases Invention:

Prof. DAN DAVIDOV and Dr. MICHAEL GOLOSOVSKY Inventor: Racah Institute of Physics, Faculty of Science High-resolution Millimeter-wave Scanning Microscope Invention:

Prof. CHAIM GILON

Institute of Chemistry, Faculty of Science Invention: Backbone Cyclization and Cycloscan TM: Novel Technologies for the Fast Discovery of New Peptide Based Drugs

Mr. MICHAEL HOICHMAN Inventor: Computer Programmer, Faculty of Medicine

The "Maestro" Program for Controlling Auditory Experiments

Mr. BARAK HERSHKOVITZ

Faculty of Medicine "Biochem Thinker": A New Computer Program to be used by Biochemistry Students as a Tutorial Tool

Kaye Winners 1995

Inventor:	Prof. ITAI BAB Bone Laboratory, Faculty of Dental Medicine
Invention:	Osteogenic Growth Peptide (OGP)
Inventor:	Prof. NISSIM GARTI
Invention:	Casali Institute of Applied Chemistry, Faculty of Science New Emulsifiers
Inventor:	Prof. YECHEZKEL BARENHOLZ
Invention:	A Novel Approach to Obstein Efficient and Stable Remote
Inventors:	Dr. EUGENII KATZ, Ms. AZALIA RIKLIN and Ms. R Institute of Chemistry, Faculty of Science
Invention:	Development of Biosensor and Immunosensor Devices

Kaye Winners 1994

Inventors:	Dr. B. SCHWARZBURD and Dr. MARCELLO CHAFF
	Department of Animal Sciences, Faculty of Agriculture
Invention:	Membrane Vesicles of E. coli as a Potent Non-toxic Vaccin
Inventor:	Mr. DUDU RASHTY
	Computation Center, Faculty of Science
Invention:	Hebrew University Information Retrieval System
Inventors:	Prof. HAIM RABINOWITCH and Prof. NACHUM KEI
	Department of Field and Vegetable Crops, Faculty of Agric
Invention:	Development of Long Shelf-life Tomatoes

Drug Loading of Liposomes for Clinical Use RON BLONDER

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ne Against Colibacillosis in Poultry

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