



November 4, 2019			
	Hall A	Hall B	Hall C
07:30-08:30		Mindfulness with Tal Agami & Shiri Aviel (07:50-08:20)	CAPP3 Investigators Meeting <i>By invitation only</i>
			Mori Hay-Levy , Israel and Gill Borthwick , UK State of the art lecture: Aspirin for everyone or for no one? Andrew Chan , USA The French experience with high risk populations: Robert Benamouzig , France CAPP3 Investigators open discussion: Changes and opportunities: Gill Borthwick , UK
08:30-10:00	Plenary Session 1 Medicine 2040		
Chairs	<p>Nadir Arber, Israel, Ran Balicer, Israel and Ido Wolf, Israel</p> <p>Good Morning: Nadir Arber, Israel</p> <p>Medicine 2040: Ronni Gamzu, Israel - <i>Director General, Tel-Aviv Sourasky Medical Center</i></p> <p>Healthcare, transformed: Ran Balicer, Israel</p> <p>AI-driven hospital: Kira Radinsky, Israel</p> <p>The Israeli health basket of compulsory services – Legal and moral considerations: Yoram Danzinger, Israel - <i>Former Justice of the Supreme Court</i></p> <p>Health care, artificial intelligence and ethics – 2030: Adi Ben Neshet, Israel</p>		
10:00-10:15	Coffee Break (Exhibition Area)		
10:15-12:45	Session 2 Predicting the best therapies (10:15-11:15)	Session 3 Fighting smoking: Prevention and quitting (10:15-11:45)	Session 4 Big data and artificial intelligence (10:15-11:45)
Chairs	<p>Andrew Chan, USA, Baruch Brenner, Israel and Abraham Kuten, Israel</p> <p>The patient is in the center of the blind spot: A personal journey as an inventor, engineer and a patient: Yoav Medan, Israel</p> <p>Computational and evolutionary methods to combat resistance: Jacob Scott, USA</p> <p>The Chicken Embryo Model: Shiran Shapira, Israel</p>	<p>Shahar Lev Ari, Israel, Neville Berkman, Israel and Veronique Ezratty, France</p> <p>The urgent need for high-impact smoking cessation approaches: Laura Rosen, Israel</p> <p>Public health aspects regulating new tobacco and nicotine products: Yael Bar-Zeev, Israel</p> <p><i>Fighting smoking in the real world setting:</i> The UK Wisdom: Vicky Myers-Gamliel, UK</p>	<p>Noam Shomron, Israel, Sol Efroni, Israel and Eitan Rubin, Israel</p> <p>The morning patients round: Intelligent algorithms in decision making: Yishai Ofran, Israel</p> <p>Big data to eliminate HCV? Noa Dagan, Israel</p> <p>The clinical implications of tertiary medical center: Ahuva Weiss-Meilik, Israel</p>



	Clinical Trials Data sharing - It's time for a revolution: Osnat Ben Neshet , Israel	The Japanese Experience: Hiroya Kumamaru , Japan The French Insight: David Khayat , France	Real world data: Enabling personalised healthcare in the future: Frederik Buijs , Switzerland Bio- convergence: Itai Kela , Israel - <i>Israel Innovation Authority</i> Introducing novel technologies to healthcare systems: Nathalie Bloch , Israel
	Session 5 Medical Education 2020-2040 (11:15-12:45)	Session 6 Curing HIV (11:45-12:45)	Session 7 Fighting bacterial resistance (11:45-12:45)
Chairs	Gideon Paret , Israel, David Avigan , USA and Jeffrey S. Glenn , USA Medical education in 2040: Gideon Paret , Israel From one generation to the next; how would the physician role change: Ran Matot , Israel and Idit Matot , Israel Women in medicine - reflections on recent trends and future perspectives: Rivka Carmi , Israel Changing Mindset Before it's Too Late: Medical Community and Biomed: Hedva Voliovitch , Israel Israel's Health System from a Long-run Socioeconomic Perspective: Dan Ben-David , Israel	Jürgen Rockstroh , Germany, Daniel Elbirt , Israel and Michal Chowers , Israel Injectable antiretroviral therapy: Are we going to shift the treatment paradigm? Jürgen Rockstroh , Germany The HIV Cure: Georg Behrens , Germany Recent advances in HIV-vaccines: What to expect? Ralf Wagner , Germany	Ronen Ben Ami , Israel, Ania Regula , Poland, and Jacob Strahilevitz , Israel Bacterial resistance and emerging of new infectious diseases: Yehuda Carmeli , Israel Global aspects of novel antibiotics: Ada Yonath , Israel - <i>Nobel Prize Laureate</i> Structure based design of novel drugs against pathogenic bacteria: Giuseppe Camicata , Italy
12:45-14:30	Lunch Symposia		
	Cure of hemato-oncology [Sponsored by Janssen]	Environmental hazards: Hopes and hypes	The Djerassi-Elias Institute of Oncology-Technology symposium on cancer [Principle Investigators]
Chairs	Pia Raanani , Israel and Maya Koren-Michowitz , Israel and Moshe Mittelman , Israel Prevention of AML: Liran Shlush , Israel Preventing transformation from MGUS into SMM and MM: Yael Cohen , Israel Cure of CML: Pia Raanani , Israel	Alfred Neugut , USA, Sigal Sadetzski , Israel, and Eric Van Cutsem , Belgium Environmental hazard – Current and future perspectives of the Ministry of Health: Sigal Sadetzski , Israel Perspectives and challenges in environmental hazards: Veronique Ezratty , France Trends and policy of the Ministry of Environmental protection: Orna Matzner , Israel	David Avigan , USA, Andrew Chan , USA, Jeffrey Glenn , USA, Jacob Scott , USA, Matt Trau , Australia, Chen Varol , Israel, Ido Wolf , Israel and Ronit Satch-Fainaro , Israel Using microRNAs for eliminating cancer-driving mutated mRNAs: Rina Rosin-Arbesfeld , Israel Designing Machine Learning-based Cell Quantitation for Analysis of Eosinophils in Tumor Biopsies: Ariel Munitz , Israel Rapid identification of free cancer cells during surgical procedures: Noam Shomron , Israel



	<p>Chemofree therapies - where are we and where will we be? Tamar Tadmor, Israel</p> <p>CAR T is not enough for solid tumors therapy, a novel approach using CAR T and macrophages: Dror Mevorach, Israel</p>	<p>Myths and fake news: Alfred Neugut, USA</p> <p>The industrial perspective: Amir Foster, Israel – <i>Association of Oil & Gas Exploration Industries</i></p>	<p>Novel BCR-ABL1 Inhibitors for Treating Imatinib Resistance Leukemia: Hagit Eldar-Finkelman, Israel</p> <p>The oncogenic role of polypeptides derived from circularRNAs in the pathobiology of chronic lymphocytic leukemia: Saar Shapira, Israel</p> <p>HuCAMTech: an in ovo personalized screening platform for optimal cancer solutions: Shiran Shapira, Israel</p> <p>Can RNA cargoes in microvesicles derived from bone marrow mesenchymal stem cells mark multiple myeloma onset and progression? Liat Drucker, Israel</p> <p>Distinctive role of Glioma-associated microglia and bone marrow derived macrophages; identification of sub-populations of these cell types and unraveling their functionality: Reuven Stein, Israel</p> <p>Review Panel Deliberation</p> <p>Award Ceremony</p>
14:30-14:45	Technical Break		
14:45-15:45	Session 8 Microbiome is everything	Session 9 The dark age of single organ screening is over	Session 10 Cardiology 2040
Chairs	<p>Omry Koren, Israel and Nitsan Maharshak, Israel and Moran Yassour, Israel</p> <p>Diseases can be cured by manipulating the microbiome: Yehuda Ringel, Israel</p> <p>Thinking outside the mouse: ex-vivo dissections of host-microbiome cross talks: Nissan Yissachar, Israel</p> <p>Future of microbiome analysis and bacteriotherapy in IBD: Nitsan Maharshak, Israel</p> <p>The microbiome is overrated: Eran Segal, Israel</p> <p>The microbiome is under estimated: Eran Elinav, Israel</p>	<p>Elizabeth Half, Israel and Yaron Niv, Israel</p> <p>Revolutionary, rational, and realizable: David Ahlquist, USA</p> <p>A simple/quick/portable/cheap and universal test for cancer: Are we there yet? Matt Trau, Australia</p> <p>Progastrin: Alex Prieur, France</p> <p>Non-Invasive wearables for disease diagnosis and monitoring: Hossam Haick, Israel</p> <p>CD24: Shiran Shapira, Israel</p> <p>Lifetime achievement presented by: Nadir Arber, Israel</p>	<p>Ran Kornowski, Israel, Shmuel Banai, Israel and Haim Danenberg, Israel</p> <p>Unmet Needs in Cardiovascular Medicine: Present & Future: Ran Kornowski, Israel</p> <p>Israel Cardiovascular Innovation: The 'Start Up' Nation Phenomenon: Chaim Lotan, Israel</p> <p>The Biodesign Innovation/Translational Model in CV Medicine- From Concept to Implementation: Leor Perl, Israel</p> <p>The Present and Future of Stem Cell & Genetic Therapeutics of the Heart: Lior Gepstein, Israel</p>



15:45-16:00	Tea and cookies (Exhibition Area)		
	Hall A	Hall B	Hall C
16:00-17:00	Session 11 Remodeling brain functions	Session 12 Genomic and gene therapy	Session 13 Curing Hepatitis
Chairs	<p>Uri Ashery, Israel, Richard Frackowiak, Switzerland and Firas Fahoum, Israel Targeting exosome for brain disorders and spinal cord injury: Dani Offen, Israel Engineering the environment for neurons post trauma: Orit Shefi, Israel</p> <p>Engineering personalized neuronal tissue implants: Tal Dvir, Israel</p> <p>Aging – the most relevant future targeted disease: Shai Efrati, Israel</p>	<p>Gideon Rechavi, Israel, Timothy P. McMahon, USA and Ariel Munitz, Israel Gene therapy is here: the hemophilia paradigm: Gili Kenet, Israel</p> <p>Paving roads for CARs in Israel: Elad Jacoby, Israel</p> <p>CAR T-Cells –What’s Next? From Personalized to “Off the Shelf” CARs: Anat Globerson Levin, Israel</p>	<p>Jürgen Rockstroh, Germany , Oren Shibolet, Israel and Ziv Ben Ari, Israel HCV elimination: Eli Zuckerman, Israel</p> <p>Cure of HBV: Ran Tur-Kaspa, Israel</p> <p>Hepatitis D - Are there new treatment options in the horizon? Jeffrey S. Glenn, USA</p>
17:00-18:00	Session14 The economy of novel drugs	Session 15 Run for the Million: Inventors’ Contest	Session 16 Liver on the Edge
Chairs	<p>Matitahu Berkovitch, Israel, Jacob Glazer, Israel and Irit Ben-Aharon, Israel</p> <p>The ESMO magnitude of clinical benefit scale and its global impact: Nathan Cherny, Israel</p> <p>Biosimilars: Are they similar? Are they efficient? Mario Dicato, Luxemburg</p> <p>Who should approve them? Matitahu Berkovitch, Israel</p> <p>The economic burden of modern medicine: Jacob Glazer, Israel</p>	<p>Yehuda Chowers, Israel and Rivkah Carmi, Israel State of the art: Using the body machinery to fight cancer: emerging therapies in the era of biologics: Dror Harats, Israel</p> <p>Gomora: Eynat Finkelstein, Israel</p> <p>Preparation free colon imaging Capsule (Check-cap): Yoav Kimchy, Israel</p> <p>Classeek Bio: Yoram Biton, Israel</p> <p>Novel Imaging: Noam Barda, Israel</p>	<p>Oren Shibolet, Israel and Daniel Shouval, Israel and Rifaat Safadi, Israel</p> <p>Fatty liver: the cause of all troubles: Shira Zilberg, Israel</p> <p>Liver Assist devices - Evidence for, how to use and where we might be going: Julia Wendon, UK</p> <p>History and future of primary sclerosing cholangitis: Tom Hemming Karlsen, Norway</p>
18:00	Cocktail Reception followed by an evening with mentalist Lior Manor, who will open your mind to a world of surprises.		



November 5, 2019			
	Hall A	Hall B	Hall C
07:30-08:30	Free abstracts	Mindfulness with Tal Agami & Shiri Aviel (07:50-08:20)	Transcan investigators meeting
Chairs	Tamar Rubineck, Israel, Chen Varol, Israel and Shiran Shapira, Israel		Nadir Arber, Israel, Robert Benamouzig, France, Shiran Shapira, Israel, Lior Galazan, Israel, Jaroslaw Regula, Poland and Julius Špičák, Czech Republic, Mori Hay-Levy, Israel
	Virtual reality technology for preoperative planning in trauma surgery: Maurizio Vertemati , Italy Non invasive intra- cardiac pressure monitoring (ICPM): Alexander Brenner , Israel Clearplasma a novel treatment for massive bleeding: Zeev Dvashi , Israel A next generation platform for determining effective treatment in personalized cancer medicine: Seth Salpeter , Israel Using artificial intelligence to focus advanced clinicians on more critically ill patients: Keren Lipshitz , Israel		
08:30-10:00	Plenary Session 17 Medicine 2040		
Chairs	Iris Dotan , Israel, Julius Spicak , Czech Republic and Gil Fire , Israel Genetics versus Epigenetics: Where the future will take us: Gideon Rechavi , Israel Innovations in medicine 2040 – rules and mistakes: Jaroslaw Regula , Poland The next generation of technology and innovation - The 4th Industrial revolution: Danny Gold , Israel - <i>Ministry of Public Security</i> <i>The Giants Debate: Mario vs. Yossi: Is cancer a matter of bad luck?</i> Pro: Mario Dicato , Luxemburg Con: Yossi Yarden , Israel The ubiquitin system for protein degradation: roles in health and in disease: Avram Hershko , Israel - <i>Nobel Prize Laureate</i>		
10:00-10:15	Coffee Break (Exhibition Area)		



10:15-11:45	Session 18 Curing the aging brain	Session 19 What would you prefer: A doctor or a robot?	Session 20 Novel Approaches in cancer therapy
Chairs	<p>Anat Achiron, Israel, Amos Korczyn, Israel, and Ravid Doron, Israel Fake news in neurology: Amos Korczyn, Israel</p> <p>The Blue Brain solution for neurodegenerative diseases: Richard Frackowiak, Switzerland</p> <p>The genetical age is reversible: how much younger can we become: Chaim Cedar, Israel Future therapies in sex impairment: Gila Bronner, Israel</p> <p>It all starts with the teeth: Limor Avivi-Arber, Canada</p>	<p>Erwin Santo, Israel, Rami HersHKoviz, Israel and Guy Lahat, Israel Introduction: Moshe Shoham, Israel</p> <p>The computerized automated medical revolution: Zamir Halpern, Israel</p> <p>Interventionist: Ori Segol, Israel Artificial intelligence is a must: Noam Shomron, Israel</p> <p>Choosing Wisely: Ran Balicer, Israel</p> <p>Intelligent Minimally Invasive Surgery: Elisha Rabinowitz, Israel</p>	<p>Baruch Brenner, Israel, Gil Bornstein, Israel and Alberto Gabizon, Israel Cancer 2030: Jacob Schachter, Israel</p> <p>Nanomedicine: Alberto Gabizon, Israel</p> <p>Cancer “signature” can prolong life: Dan Aderka, Israel [<i>Sponsored by Roche</i>] Personalized Radiation: Javier Torres-Roca, USA Manipulating the immunosuppressive environment with dendritic cells-targeted nano-vaccines: Ronit Sachi-Fainaro, Israel Personalized therapy of metastatic CRC; 2020-2030-2040: Eric Van Cutsem, Belgium [<i>Sponsored by MSD</i>]</p>
11:45-12:45	Session 21 To renovate or innovate – the hospital CEO dilemma	Session 22 Radiologist and the “radio-robot:” Friends or foes?	Session 22 A taste of the future
Chairs	<p>Ronni Gamzu, Israel Ronni Gamzu, Israel – <i>Director General, Tel-Aviv Sourasky Medical Center</i> Jonathan Halevy, Israel - <i>Co. Director General, Shaare Zedek Medical Center</i> Eytan Wirtheim, Israel - <i>Director of Rabin Medical Center</i> Michael Halberthal, Israel - <i>General Director of Rambam Health Care Campus</i> Rafael Beyar, Israel – <i>Former Director of Rambam Health Care Campus</i></p>	<p>Arye Blachar, Israel, Jacob Sosna, Israel and Eli Konen, Israel The return of the doctor’s doctor: Paul Chang, USA Nuclear Medicine – From imaging to therapy: Einat Even-Sapir, Israel Imaging AI: Myth versus Truth? Gad Levy, Israel Artificial intelligence in cancer imaging and therapy: Eric Van Cutsem, Belgium</p>	<p>Ronit Anbar, Israel and Ronit Endevelt, Israel and Nachum Vaisman, Israel The future plate – taste for Israeli foodtech: Ofir Benjamin, Israel Taste and nutrition, with a little help from big data: Masha Niv, Israel The future of nutritional treatment- challenges and solutions: Ronit Endevelt, Israel P-Nutrition - The future strategies of preventive clinical nutrition: Limor Ben Haim, Israel M- Nutrition - When nutrition is the medicine: Ronit Anbar, Israel</p>
12:45-14:30	Lunch Symposia		
	Future of immunotherapy [Sponsored by Gilead]	Thyroid and parathyroid: Today to 2040 [Sponsored by Neopharm]	The Djerassi-Elias Institute of Oncology-Technology symposium on cancer [Students]
Chairs	Irit Avivi , Israel, Avishay Sella , Israel, Ido Wolf , Israel and Zelig Eshhar , Israel	Dan Fliss , Israel, Yona Greenman , Israel and Eran Alon , Israel	Roger Kornberg , USA, <i>Nobel prize laureate</i> , Uri Rozovski , Israel, Yossi Yarden , Israel, Limor Avivi-Arber , Canada, Javier Torres-Roca , USA, and Ronit Sachi-Fainaro , Israel
	CAR – T cells 2020-2040: Irit Avivi , Israel	Breakthrough in parathyroid therapy: Rivka	5-hydroxymethylcytosine as a clinical biomarker:



	<p>Reversed immuno-oncolgy: Fitting the patient to the drug: Gal Markel, Israel</p> <p>Keep on searching: the cryptic immune checkpoints of cancer: Michal Lotem, Israel</p> <p>CAR-T for aggressive lymphomas: Abraham Avigdor, Israel [Hebrew]</p> <p>Next generation for personalized cellular immunotherapy-cancer vaccines and CAR T cells: David Avigan, USA</p>	<p>Dresner-Pollak, Israel</p> <p>Thyroid Surgery: 2020 to 2040: Gilad Horowitz, Israel</p> <p>Non-surgical innovations thyroid cancer: Nidal Muhanna, Israel</p> <p>How to cure parathyroid and thyroid cancers: Aron Popovtzer, Israel</p>	<p>Fluorescence-based assay for high-throughput epigenetic quantification in human tissues: Sapir Margalit, Israel</p> <p>CD24 is a good marker for universal cancer detection as well as a good predictor marker for cancer therapy: Semat Massarwi, Israel</p> <p>Applied deep learning for the analysis of Cancer DNA: Artem Danilevsky, Israel</p> <p>Adaptation of colon cancer cells to the brain microenvironment: the role of IRS2: Inbal Greenberg, Israel</p> <p>Do chronic lymphocytic leukemia (CLL) - derived exosomes reprogram B cells? Zinab Sarsor, Israel</p> <p>Targeting microvesicles in the crosstalk between multiple myeloma and their niche mesenchymal stem cells as a valid new strategy: Mahmoud Dabbah, Israel</p> <p>Activated Eosinophils Display Anti-tumorigenic Activities in Melanoma-driven Lung Metastasis: Sharon Grisaru, Israel</p> <p>Smart' polymeric TURN-ON Fluorescent Nanoprobes for Image-Guided Surgery of Cancer in combination with targeted polymeric anti-cancer therapy: Yana Epshtein, Israel</p> <p>Estrogen moderates UV effect on appetite: Shivang Parikh, Israel</p> <p>Award Ceremony</p>
13:30-14:30	Special Lunch Session (Golan Room) By invitation only		
Chairs:	<p>Arye Blachar, Israel</p> <p>Artificial intelligence and machine learning in radiology: A reality check : Paul Chang, USA</p>		
14:30-14:45	Technical Break		
14:45-16:05	Session 24 The challenges of military healthcare	Session 25 Fighting smoking: Epidemiology and clinics	Session 26 Research and medicine in space - Mars is only a decade from here
Chairs	<p>Ariel Furer, Israel, Gilad Twig, Israel and Noam Fink, Israel</p> <p>Innovations and collaborations in military</p>	<p>Laura Rosen, Israel, Alfred I. Neugut, USA and Itamar Grotto, Israel</p> <p>Epidemiology of smoking: Alfred I. Neugut, USA</p>	<p>Daniella Rahamim-Cohen, Israel, Eran Schenker, Israel and Chen Zinger, Israel</p> <p>Living in Space- The Medical Challenge: Daniella</p>



	<p>medicine: Ariel Furer, Israel</p> <p>BladeShield 101: The IDF point of injury wearable decision support system: Noam Fink, Israel</p> <p>Virtual reality and simulators: Amitai Ziv, Israel</p> <p>The UK perspective: Marcus Stow, UK - <i>UK's Defence Medical Services</i></p> <p>Forensic DNA identification in the US army: Timothy P. McMahon, USA - <i>USA Armed Forces</i></p> <p>The brain as the ultimate key in future battle field technologies: Ran Gozali, Israel - <i>Rafael Advanced Defense</i></p>	<p>Epidemiology of smoking in Israel: Lital Keinan Boker, Israel</p> <p>The medical hazards associated with cigarettes and e-cigarettes: Amir Onn, Israel</p> <p>The economic burden of smoking: Shuli Brammli, Israel</p> <p>The future of smoking: Carrie Wade, USA</p> <p>Can we reduce smoking related disease load? Dov Gavish, Israel</p>	<p>Rahamim-Cohen, Israel</p> <p>Medical Innovations on the Space Station: Eran Schenker, Israel</p> <p>Your next drug will come from space: The use of Micro-gravity for Terrestrial Experimentation: The story of Spacepharma: Sara Eyal, Israel</p> <p>D-MARS: Simulating the Martian Environment in the Israeli Desert: Reut Sorek Abramovich, Israel</p>
16:05-16:30	Coffee Break (Exhibition Area)		
16:30-17:30	Session 27 Will doctors still be needed in 2040?	Session 28 Cure of diabetes	Session 29 Dermatology 2040: Scratching off the surface of the skin
Chairs	<p>Shlomo Birkenfeld, Israel, David Ahlquist, USA and Tal Agami, Israel</p> <p>Transforming Care for Cardiac Implantable Electronic Device Patients: Aisha Barry, USA</p> <p>Why are they ignoring our advice? The promise of behavioral economics: Adi Berliner Senderey, Israel</p> <p>Social network among young patients: Irit Ben-Aharon, Israel</p> <p>Modeling the brain in the computer: Idan Segev, Israel</p>	<p>Roy Eldor, Israel, Itamar Raz, Israel and Avishay Alice, Israel</p> <p>Precision medicine for diabetes: Are we there?: Hila Knobler, Israel</p> <p>The future of diabetes and obesity- from GLP-1 agonists to coagonists: Roy Eldor, Israel</p> <p>What have we learned about human health from large cardiovascular outcome studies: Itamar Raz, Israel</p> <p>Prevention of diabetes: Avigdor Arad, USA</p>	<p>Eli Sprecher, Israel, Reuven Bergman, Israel and Emmilia Hodak, Israel</p> <p>The last days of the traditional skin cancer screening? Ayelet Rishpon, Israel</p> <p>Curing vascular disorders of the skin: Shoshana Greenberger, Israel</p> <p>The future of dermatopathology: Reuven Bergman, Israel</p>
17:30-19:00	Plenary Session 30 From the Big Bang to 2040		
Chairs	<p>Nadir Arber, Israel and Itai Benhar, Israel</p> <p>From the Big Bang to 2040 and beyond: Avishai Dekel, Israel</p> <p>The political situation in Israel and the Middle East: risks and opportunities: Ehud Olmert, Israel – <i>Former Prime Minister of Israel</i></p> <p>Using game theory to streamline kidney transplants: Robert Aumann, Israel - <i>Nobel Prize</i></p>		



Laureate

Realizing the dreams for a better tomorrow: **Ulrich Betz**, Germany [*Sponsored by Merck*]

The best therapy is prevention: Twenty years of experience of a one stop shop: **Nadir Arber**, Israel

TBD: **Roger Kornberg**, USA - *Nobel Prize*

Laureate

19:00

An evening of laughter with Israel Katorza, one of Israel's greatest comedians.