



CORPORATE PRESENTATION
AUGUST 2020

SAFE HARBOR

This presentation contains forward-looking statements within the meaning of the Israeli securities law that involve risks and uncertainties. These forward-looking statements relating to future events and future performance of the Company and the portfolio companies, jointly or separately, such as statements regarding, but are not limited to, market opportunities, strategy, competition, the further development and potential safety and efficacy of the products, the projected revenue and expense levels and the adequacy of the available cash resources. Some of the information contained herein is based upon or derived from information provided by third-party consultants and other industry sources as well as by the portfolio companies. We have not independently verified and cannot assure the accuracy of any data obtained by or from these sources.

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The Company is continuously monitoring the impact of the worldwide spread of the corona virus (COVID-19) on its activities and the activities of its portfolio companies. At this time, there is a material uncertainty regarding the economic and other ramifications of the spread of COVID-19. This spread might have a negative effect on the activities of the Company and its portfolio companies, including, but not limited to, their market value, the ability to raise capital (governmental, private or public), the ability to materialize the Company's holdings, the possibility to advance strategic transactions, and the ability to carry out R&D and regulatory activities. For additional information, please refer to Section 1 in the first part of the Company's first quarter for the year 2020 report.

This presentation does not constitute or form part of, and should not be construed as constituting or forming part of, any offer or invitation to sell or issue, or any solicitation of any offer to purchase or subscribe for, any of the Company shares or its portfolio companies shares, nor shall any part of this presentation nor the fact of its distribution form part of or be relied on in connection with any contract or investment decision relating thereto, nor does it constitute a recommendation regarding our or our portfolio companies securities.

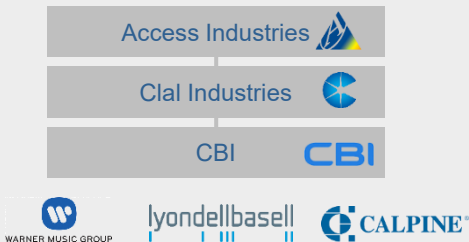
CLAL BIOTECHNOLOGY INDUSTRIES

Leading life sciences investment company traded on the stock exchange (TASE: CBI)

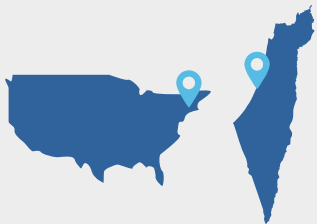


TEL-AVIV STOCK EXCHANGE

A member of Len Blavatnik's Access Industries group



Team based in Tel Aviv and Boston



Collaborations with global pharmaceutical companies and major investment funds



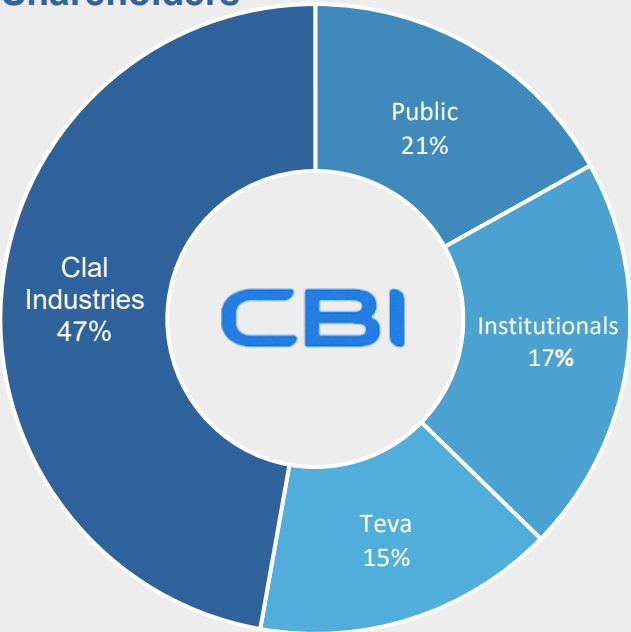
Portfolio of 7 well-funded biotech companies + a med-tech VC




Advanced technologies from leading US/IL institutions addressing major unmet needs





Shareholders




EXPERIENCED MANAGEMENT TEAM







Avi Fischer - Chairman of the Board

  **claltech**







William Koster, PhD

 **Neurogen Corporation**  **SciFluor**  **Bristol-Myers Squibb**



**Robert Connelly
Strategic Advisor**

 **domantis**  **pulmatrix**
 **axcella**  **FLAGSHIP PIONEERING**
SCIENTIFIC VENTURES FOR LIFE





Ofer Gonen - CEO

 **gamida Cell**  **MediWound** 



Assaf Segal - CFO

 **MediWound**  **pwc**  **amdocs**
 **Variance**
Financial Consulting



**Gilad Rosenberg, MD -
Medical Director**

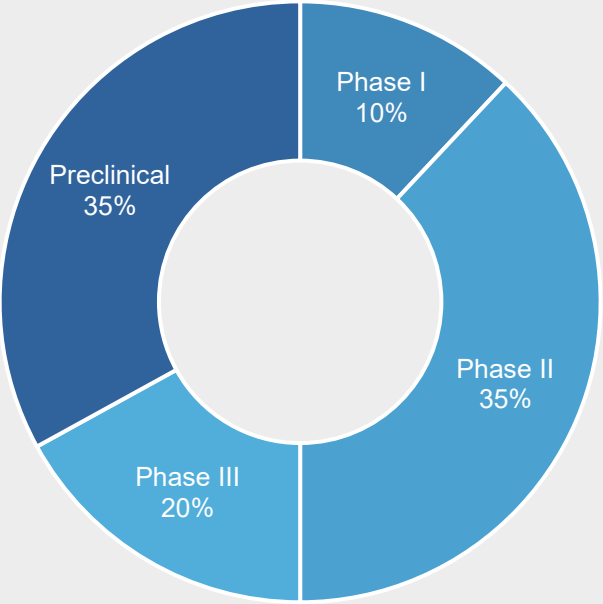
 **PHARM**  **MSD**

DIVERSE CLINICAL DEVELOPMENT ACTIVITY

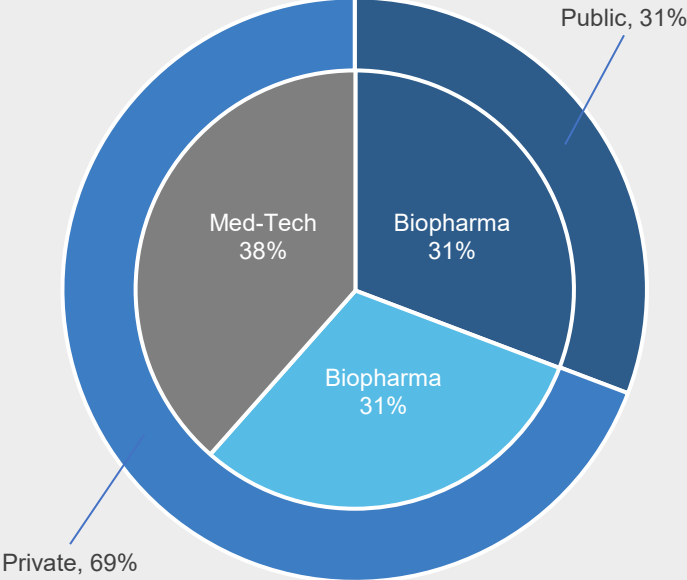
Company		Pre-Clinical	Phase I	Phase II	Phase III	Market
MediWound (Nasdaq: MDWD)	35%	severe burns/chronic wounds				
Gamida Cell (Nasdaq: GMDA)	6%	cord blood stem cells				
Biokine	25%	marrow cells mobilization in cancer				
Cadent	13%	CNS disorders				
eXlthera	45%	anticoagulation				
Elicio	20%	cancer immunotherapy				
Anchiano (Nasdaq: ANCN)	19%	oncology				

BALANCED POTFOLIO

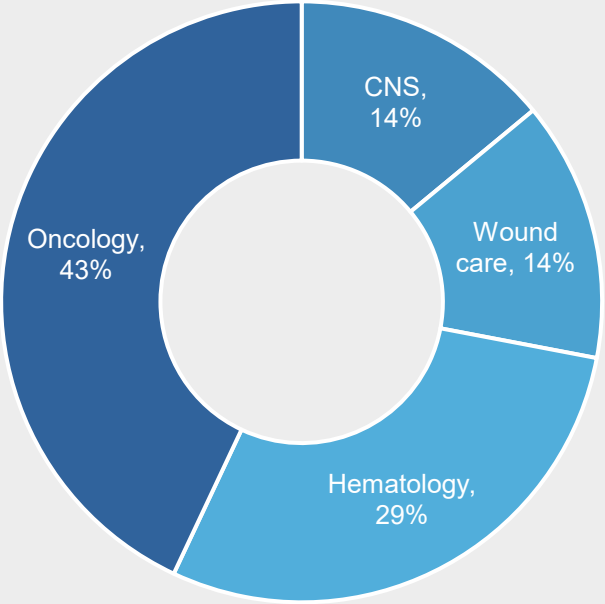
Stage of Development



Asset Distribution



Therapeutic Areas



The background of the slide is a dark blue color with a subtle, repeating pattern of interconnected circles and lines, resembling a molecular or network structure. This pattern is more prominent on the left side and fades towards the right.

PORTFOLIO COMPANIES

Unique technology for the expansion of cord blood-derived stem cells

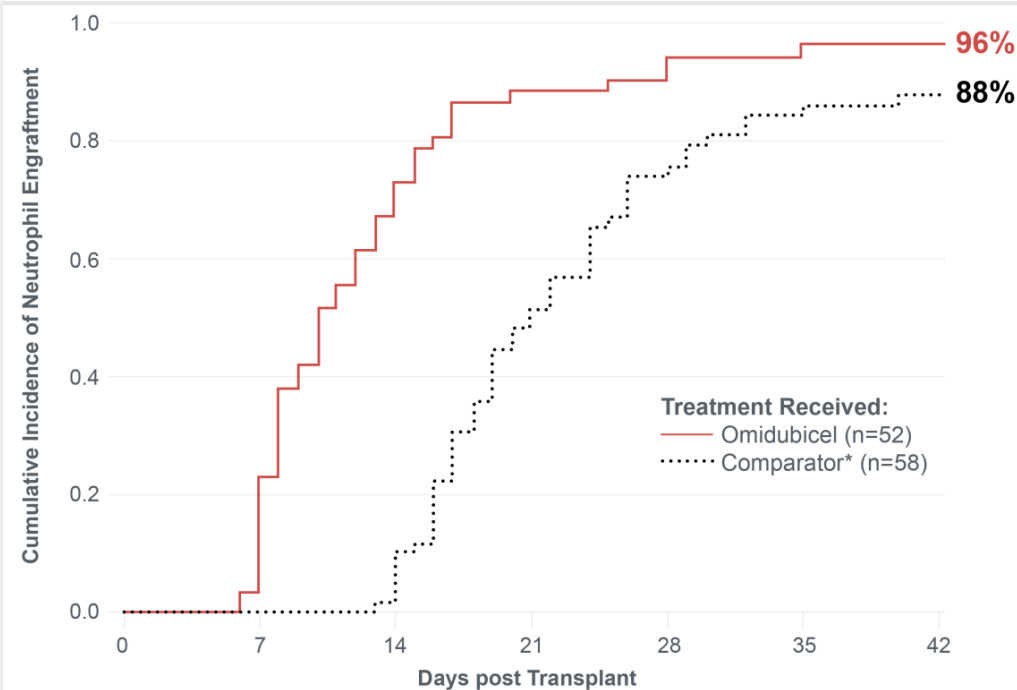
Omidubicel – treatment for hematological malignancies

- Orphan drug status and 'Breakthrough Therapy' designation granted by FDA
- Phase III trial (n=125) completed; **primary endpoint of neutrophil engraftment achieved**, with median time to engraftment of 12 days in the omidubicel group vs. 22 days in the comparator group (p<0.001)
- Phase II in aplastic anemia is ongoing

GDA-201 – phase I in hematological malignancies is ongoing; promising early evidence of clinical activity observed in advanced non-Hodgkin's lymphoma

Completed a \$69 million follow-on (Nasdaq: GMDA) in Q2/2020

Phase III trial primary endpoint: cumulative incidence of neutrophil engraftment



Omidubicel is designed to enhance the life-saving benefits of cord blood stem cell transplant

Develops, manufactures & commercializes drugs for burns and wound care

NexoBrid - an enzymatic orphan drug for burn debridement

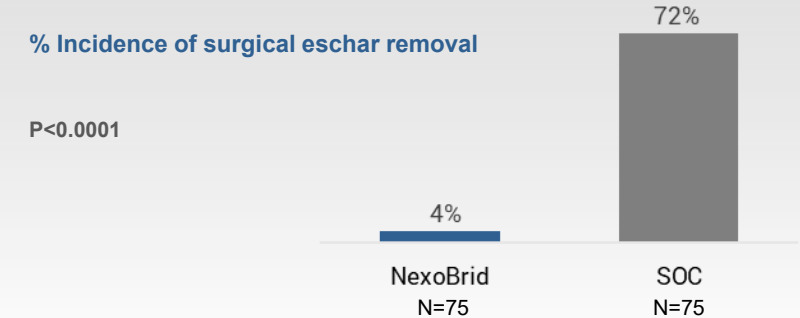
- Marketed in the EU and other territories; becoming standard of care
- Phase III trial for FDA approval has met the primary and all secondary endpoints; BLA submitted
- Strategic agreements of up to \$202 million with BARDA: funding all of NexoBrid's R&D activities and procuring NexoBrid for \$16.5 million
- License agreement with Vericel (Nasdaq: VCEL) for NexoBrid in North America

EscharEx - an enzymatic drug for chronic wound debridement

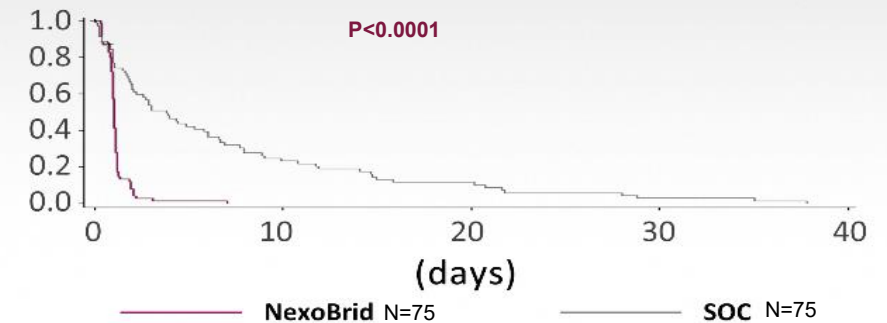
- Positive results in initial phase II trial
- A large phase II study comparing EscharEx to standard of care in venous leg ulcers initiated; interim data expected in H1/2021



(Nasdaq: MDWD)



Kaplan-Meier estimates for time to complete eschar removal



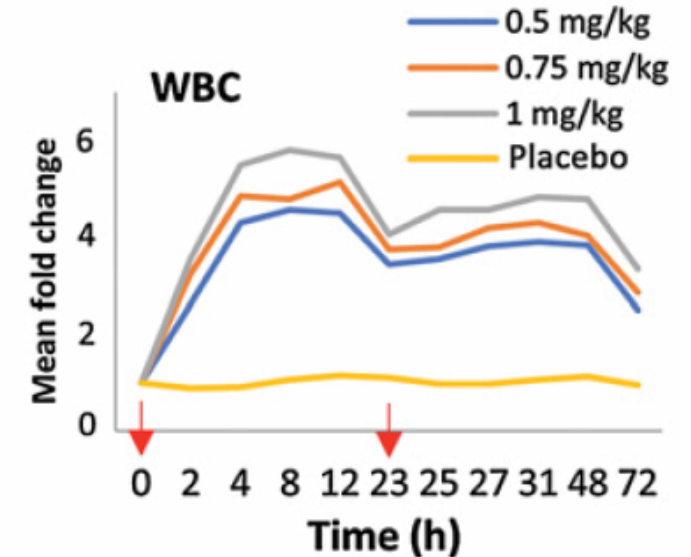
Evidence-based breakthrough technology addressing large and growing markets

Small molecules and peptides disrupting cancer cell communications

Motixafortide (BL-8040) - a novel high-affinity antagonist of CXCR4, mobilizing hematopoietic stem cells; orphan drug status in US and EU

- Developed by BioLineRx (Nasdaq: BRLX) under a worldwide exclusive license
- Currently in phase III as a hematopoietic stem cell mobilization agent for autologous marrow transplantation in multiple myeloma
- Phase II has shown that a single injection of motixafortide mobilized sufficient cells for transplantation as 4-6 injections of G-CSF, the current standard of care
- Motixafortide is also being developed as a therapy for solid tumors (phase I/II) and for acute myeloid leukemia (phase II)

BKT300 - a small molecule in pre-clinical research that interferes with a key cell cycle regulator over-expressed in tumor cells, aimed for solid and non-solid cancers



Motixafortide dose-dependent mobilization of white blood cells (WBC) from the bone marrow into blood stream; red arrows indicate the time of the two injections of motixafortide (n=6/group)
Clin Cancer Res, 2017, 23; 6790-801

Innovative arsenal for combating tumor expansion with multiple potential applications

Developing drugs for CNS disorders

Positive or negative modulation of brain NMDA receptors:

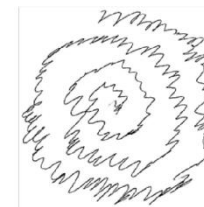
- **MIJ821** - for depression; licensing deal with Novartis provides for milestone payments of up to \$386 million, plus royalties; phase II recently completed enrolment
- **CAD-9303** - for cognitive deficits in schizophrenia; currently in phase I

Modulation of ion channels to treat movement disorders

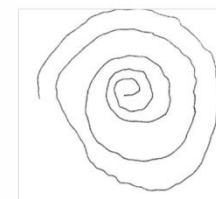
- **CAD-1883** - drug for spinocerebellar ataxia (SCA) and essential tremor
 - A phase II trial in essential tremor has indicated proof of concept
 - Granted Orphan Drug status by FDA for SCA

\$40 million financing; BD discussions for strategic collaborations

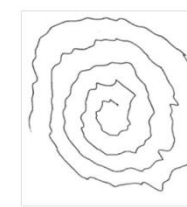
Pre-Dose



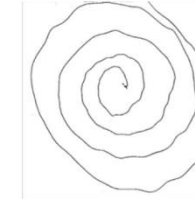
Day 14



Pre-Dose



Day 14



Pre-Dose



Day 14



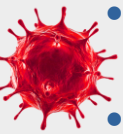
Robust improvements in spiral drawing in essential tremor patients who responded to CAD-1883 in a Phase 2a trial

Presented at the 3rd Pan American Parkinson's Disease and Movement Disorders Congress, February 15, 2020

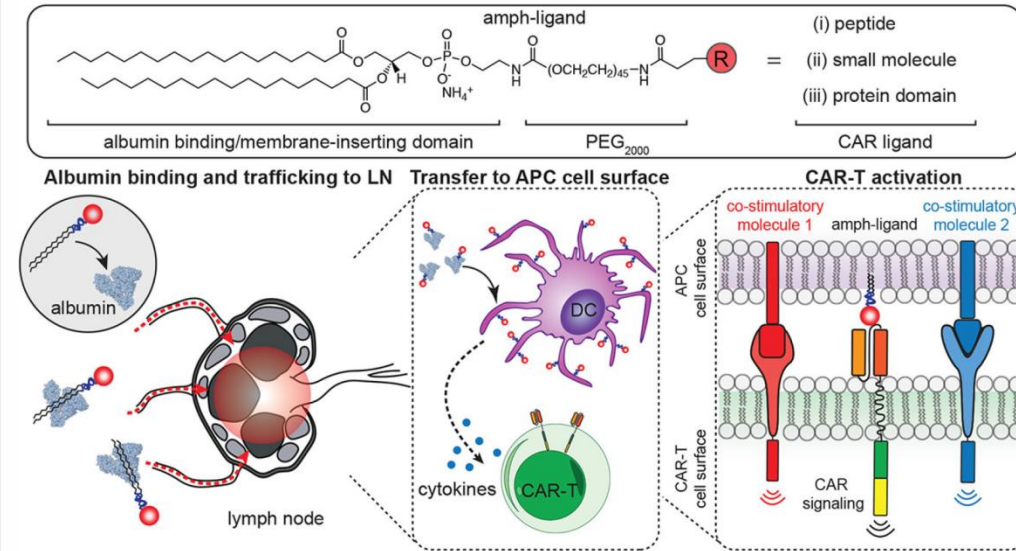
An attractive portfolio of products to treat CNS debilitating diseases; targeting multi billion \$ markets

Developing potent next generation, lymph node-targeting, immuno-modulatory therapeutic and prophylactic vaccines for cancer and infectious diseases

- Lymph node targeting aims to achieve potent immune activation, robust T cell response, immune memory, and, in cancer, tumor eradication and durable cure
- Solid intellectual property; ongoing relationship with founding MIT laboratory
- Preclinical data from Elicio's COVID-19 vaccine indicate:
 - Up to 25-fold more T cell response over benchmark vaccines and >265-fold greater neutralizing antibody levels than recovering patients
 - Potent CD8 and CD4 T cell presence in lung tissue and respiratory fluid
- Expertise in cancer therapeutics; an executive team with a track record of success and exits with novel platform biotechnology companies
- ELI-002: anti-KRAS therapeutic vaccine for KRAS+ pancreatic and colorectal cancers; phase I/II to start towards the end of 2020
- Pipeline includes a combination with CAR-T for better efficacy in solid tumors



\$48 million financing; BD discussions for strategic collaborations



Science. 2019, 12; 365(6449): 162-168

Lymph node targeting better unlocks the power of the immune response

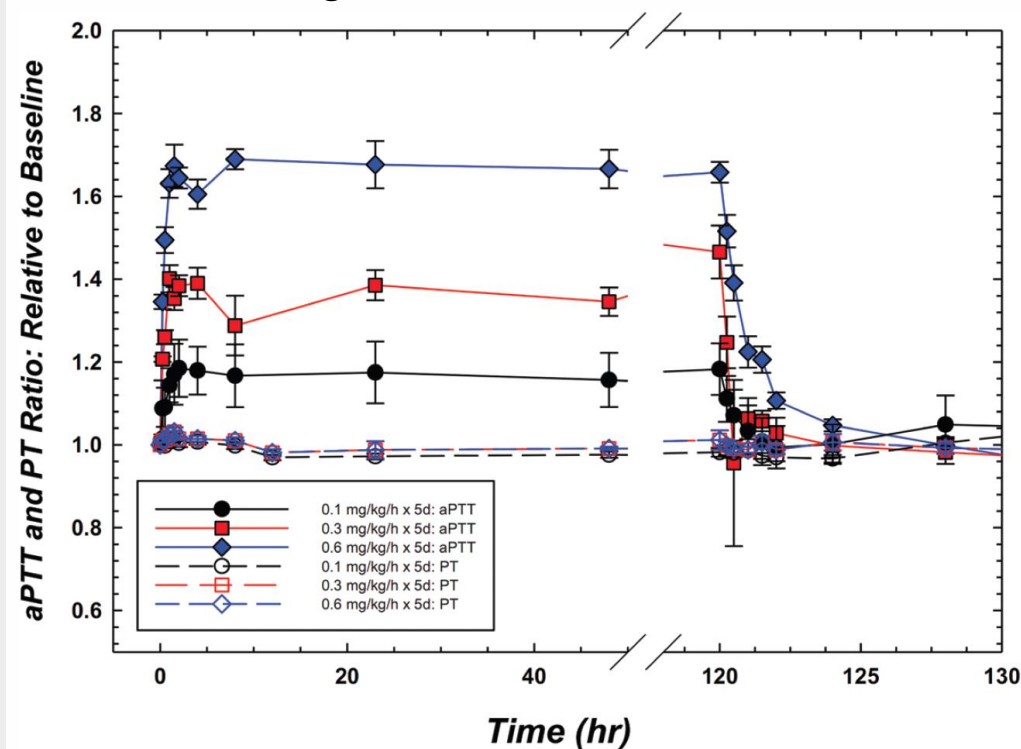
World leader in developing novel, safer, first-in-class antithrombotic drugs

- Despite the benefits of available anticoagulants, all convey significant bleeding risk
- Factor XI antagonists inhibit the intrinsic clotting pathway, related to cardiovascular risk, but not the extrinsic pathway, critical to bleeding control in surgery and trauma
- Humans with genetically low levels of factor XI have decreased incidence of thrombosis, which is not associated with spontaneous bleeding

EP-7041 - a novel, IV, selective small molecule Factor XIa inhibitor

- Phase I in healthy volunteers showed good tolerance, predictable dose-dependent increase in aPTT (efficacy marker) and rapid start and end of activity
- Strategic collaboration with Haisco Pharmaceutical Group (002653:CH)
- Phase II trial evaluating EP-7041 in the setting of extracorporeal circulation is being planned

Phase I trial coagulation data



Factor XIa inhibition may finally dissociate anti-thrombotic effect from bleeding risk

MED-TECH PORTFOLIO



sight

Sight Diagnostics

Commercializing OLO™, a novel AI and optical, FDA approved, point-of-care system for 5-part complete blood count

Marketing Parasight™ for the diagnosis of malaria

Significant COVID-19 related opportunities

colospan

Colospan

Developing innovative anastomosis protection device for colorectal surgery to prevent anastomotic leaks, forgoing the need for a protective colostomy

CE Approved device

FDA approved IDE (PMA – Class III device)

Pi-Cardia
Next-Generation Valve Repair

Pi-Cardia

Developing Leaflex™, a novel catheter for treating calcified aortic stenosis without a need for valve replacement; Successfully completed proof of concept in humans

Developing the ShortCut™ catheter, for a better TAVR preparation

MinInvasive
ORTHOPEDIC SOLUTIONS

MinInvasive

Developing OmniCuff™ - a minimally invasive system for rotator cuff repair

Excellent clinical outcome in clinical trials and routine use

Approved by FDA and EMA

FDNA

FDNA

Developing Face2Gene: AI-based technologies to detect physiological patterns to reveal disease-causing genetic variants

Used by 70% of the world's geneticists (2,000 sites; over 130 countries)

Telehealth opportunity boosted by the COVID-19

The background of the entire image is a dark blue field filled with a complex, abstract pattern of interconnected circles and lines, resembling a molecular structure or a network diagram. The circles vary in size and are connected by thin, light blue lines, creating a sense of depth and movement across the frame.
















































**LOOKING
AHEAD**

13 CLINICAL TRIALS ACROSS THE PORTFOLIO

Preclinical	Phase I	Phase II	Phase III
7 preclinical programs	Gamida Cell <i>GDA-201: NHL, multiple myeloma</i>	MediWound <i>EscharEx: chronic wounds</i>	MediWound/ Vericel <i>Nexobrid: severe burns (long term follow up)</i>
	Cadent <i>CAD-9303: schizophrenia</i>	Biokine/ BiolineRx <i>BKT140/Motixafortide: r/r AML</i>	MediWound/ Vericel <i>Nexobrid: severe burns (pediatric)</i>
		Biokine/ BiolineRx <i>Motixafortide: pancreatic cancer</i>	Biokine/ BiolineRx <i>Motixafortide: stem cell mobilization</i>
		Biokine/ BiolineRx <i>Motixafortide: gastric cancer</i>	Gamida Cell <i>Omidubicel: cord blood stem cells transplants</i>
		Cadent/ Novartis <i>MIJ821: resistant depression</i>	
		Cadent <i>CAD-1883: spinocerebellar ataxia</i>	
		Gamida Cell <i>Omidubicel: severe aplastic anemia</i>	

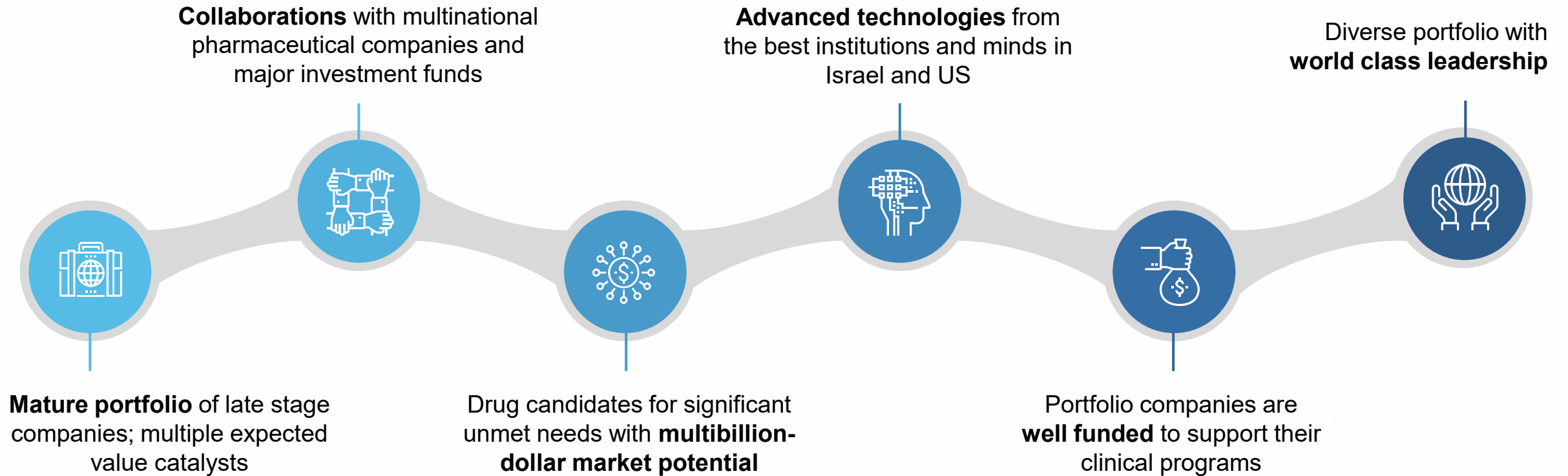
Oncology
Neuroscience
Hematology
Wound care

UPCOMING EVENTS - VALUE CREATING MILESTONES

	2020	2021
Gamida Cell	 GDA-201 phase1 readout (lymphoma)  Omidubicel phase 3 top line results (hematological malignancies)  Financing	 Omidubicel phase1/2 readout (aplastic anemia)  Omidubicel phase 3 additional results (hematological malignancies)  GDA-201 phase 1 data (NHL)  Omidubicel BLA submission (hematological malignancies)  GDA-201 phase 1/2 (NHL)
MediWound	 EscharEx phase 2 (chronic wounds)  Procurement by BARDA	 NexoBrid FDA PDUFA date (severe burns)  Procurement by BARDA  EscharEx phase 2 interim data (chronic wounds)
Biokine	 Motixafortid + Keytruda phase 2 readout (pancreatic cancer)  Financing	 Motixafortid + Tecentriq phase 1b readout (pancreatic cancer)  Motixafortid phase 3 interim analysis (marrow mobilization)  Motixafortid + Keytruda phase 2 readout (pancreatic cancer)  Motixafortid phase 2b interim data (AML)  Motixafortid phase 3 readout (marrow mobilization)
Cadent	 Milestone payment (Novartis)  CAD-9303 phase1/2 (schizophrenia cognitive deficits)  Financing	 MIJ-821 phase 2 results (resistant depression)  CAD-9303 phase1/2 (schizophrenia cognitive deficits) readout  IPO/ strategic collaboration  CAD-1883 phase 1/2(SCA)
Elicio	 Eli (002) Pre IND meeting  Financing	 ELI-002 Pre-IND meeting  ELI-005 Strategic collaboration  ELI-002 phase 1/2 (cancer vaccine)  ELI-005 phase 1 (COVID-19 Vaccine)  ELI-002 phase 1/2 data (cancer vaccine)
eXlthera	 EP-7041 Haisco licensing deal (China)	 EP-7041 Pre-IND meeting  EP-7041 licensing deal/ financing  EP-7041 phase 2 (anti-coagulation)
Anatomy	 Sight CBC FDA approval  Pi-Cardia financing  Sight financing  Pi-Cardia strategic collaboration	 Sight CBC US OLO launch  FDNA TeleHealth launch  MinInvasive OmniCuff CFDA  Pi-Cardia Leaflex studies  Colospan financing

(*) The above events may be delayed/ cancelled/ otherwise varied in relation to the spread of the COVID-19 pandemic

READY TO MATERIALIZE





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