



BIOMICA

Microbiome-Empowered Therapeutics

Dr. Elran Haber, CEO ◆ June 2023

Forward-looking statement



This presentation contains "forward-looking statements" relating to future events, and we may from time to time make other statements, regarding our outlook or expectations for future financial or operating results and/or other matters regarding or affecting Evogene Ltd. or its subsidiaries, including Biomica Ltd. ("Biomica") (collectively, "Evogene" or "we"), that are considered "forward-looking statements" as defined in the U.S. Private Securities Litigation Reform Act of 1995 (the "PSLRA") and other securities laws. Such forward-looking statements may be identified by the use of such words as "believe," "expect," "anticipate," "should," "planned," "estimated," "intend" and "potential" or words of similar meaning. For these statements, Biomica claims the protection of the safe harbor for forward-looking statements contained in the PSLRA and other securities laws.



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We are Biomica

A clinical-stage biopharmaceutical company with cutting edge computational capabilities to develop the most optimized microbiome-based therapeutics.



Rooted in excellence

Subsidiary of Evogene Ltd. (NASDAQ, TASE: EVGN), a pioneer in the field of applied computational predictive biology, creating next-generation life sciences products.



Breakthrough platform

Drug candidates identified and designed with PRISM – a proprietary computational platform combining AI capabilities with big data.



Spearheading the future

Optimized discovery, design & development, resulting in best-in-class pharmaceuticals.

Precise & efficient – from concept to clinical trials in only 3 years.

Our Mission

To discover & develop novel therapies for microbiome-related human disorders.

We utilize computational predictive biology to provide new therapeutic modalities for high-value, unmet medical needs.

Showing promise in
immune-mediated
& infectious diseases

Current programs:



Immuno-oncology



Gastrointestinal (GI)
related disorders



Antimicrobial
resistance (AMR)

Harnessing the human microbiome

10¹⁴

microbes
in the
human body



Trillions of microorganisms
live in & on our bodies



Play an essential role in
various daily bodily functions



Microbiome diversity is
associated with health &
wellbeing

Right field, right time

Industry

Multi \$Bn market opportunity

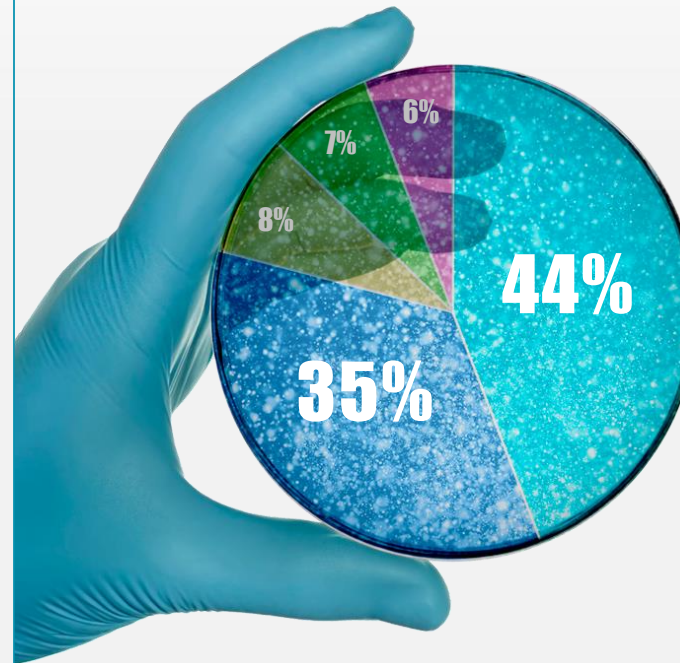
More than \$4Bn invested in microbiome companies since 2014

Record high investments in microbiome companies

70% CAGR
2018 → 2024



Areas of focus



Most candidates are still in the discovery & preclinical stages; Increasing number advancing to clinical stage (Ph. II/III)

- Dermatology (8%)
- CNS (7%)
- Other (6%)
- **GI-related disorders (44%)**
- **Cancer & Immune-mediated Diseases (35%)**

Key Players

Big pharma



Prominent VCs



Active companies



Sources:
BCC Research (2017) – Human Microbiome-based Drugs and Diagnostics Market
SVB – Emerging Healthcare: Microbiome Investment Trends Aug 2017)

<https://www.microbiometimes.com/the-microbiome-biotech-landscape-an-analysis-of-the-pharmaceutical-pipeline/>

Right field, right time

The microbiome is flourishing

STAT+

26 April, 2023

FDA approves Seres microbiome drug, as field advances

In Vivo

Informa Pharma Intelligence

17 June, 2021

The Microbiome's Time To Shine

Exclusive Interview With Seventure CEO Isabelle de Cremoux

manufacturing
CHEMIST

26 January, 2021

The century of the microbiome: an exciting time for human health

PHARMACEUTICAL
TECHNOLOGY

2 July, 2021

Seres and Nestlé enter up to \$525m deal for microbiome therapeutic

A clinical promise comes true

MicrobiomeTimes

Nov 9, 2022

BiomeBank announces regulatory approval for donor derived microbiome drug

Pharmaceutical
Technology

Dec 1, 2022

US FDA approves Ferring's Rebyota for Clostridioides difficile infection

Pharmaceutical
Technology

Apr 27, 2023

Seres and Nestlé Health receive FDA approval for Vowst microbiome therapy

First Microbiome drugs approved by FDA & more positive clinical data shows strong validation of microbiome therapeutics



Limitations of common approaches

	Number of microbial entities	QC	Scalability	Druggability	Patentability	COGS	Targeted multiple functions composition	Potency*	Safety**
Fecal Microbiota Transplantation (FMT)	—	—	—	✓	✓	✓	—	✓	✓
Single-strain method	✓✓	✓✓	✓✓	✓✓	✓	✓✓	—	✓	✓✓
Multi-strain rationally-designed Live biotherapeutic products (LBPs)	✓	✓✓	✓	✓✓	✓✓	—	✓	✓✓	✓



8

* Higher efficacy due to multiple carefully selected MoAs

** Better safety due to fewer & carefully selected entities

✓✓ Fully addressed ✓ Partial addressed — Not addressed

Finding the optimal combination of microbes is complex

To develop **best-in-class drugs**, one must find, select, and combine **only the most suitable microbes** from the thousands of strains in our bodies.

Each method has its own set of challenges

Biological method:

Healing the sick by comparing them to the healthy

 Slow & exhausting

 Limited by small data

 Like finding needle in the hay

Computational method:

Using AI to find the key microbes

Lack of proper tools & datasets 

Poor ability to gain valuable insights 



The  BIOMICA approach:

Computational, targeted & function-based drug design



Modulating
a patient's
microbiome



Computational
predictive biology
platform



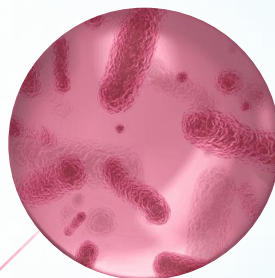
Function-based
drug design
process

1



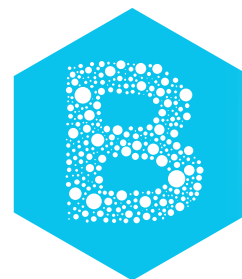
Modulating
a patient's
microbiome

Infections caused by multi-drug
resistant bacteria



Initial state:
Dysbiosis

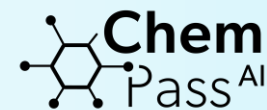
- Reduced diversity
- Loss of beneficial microbes
- Opportunist's expansion



Immuno-oncology
or GI disorders

Elimination

Selective targeting via small molecules, peptide(s)



Supplementation

Adding beneficial bacteria

2

Proven, robust data integration, analysis & prediction

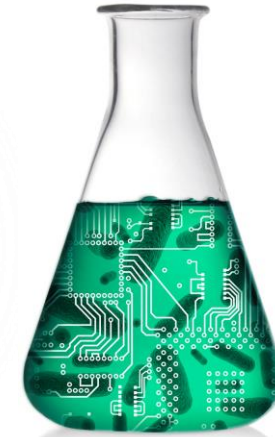
Big data



Databases generated via data integration capabilities

Biology

AI



Proprietary computational algorithms utilized to mine data



20 years of experience

\$\$\$ tens of millions of dollars invested

Validation through collaborations with industrial leaders & internal results



Computational predictive biology platform




Holistically determining the best strains for the patient

2



Computational
predictive
biology
platform

Patients' microbiome:
Identifies the strains present
& the functions they perform

-  **Strain identifier**
-  **Function finder**
-  **Strain-function allocator**

Patients' genetic & clinical data:
Examining the patient's clinical
data & genomic data

-  **Clinical data**
-  **Human genomics**
-  **Consolidator**

Analysis,
integration
&
prioritization

Computational
& researcher-
guided
selection of
candidate
microbes

Drug

3




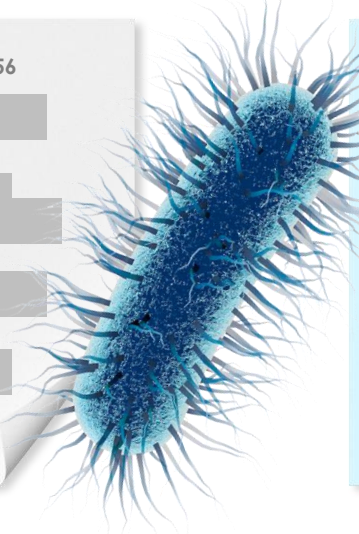
Function based drug design process

An emphasis on microbial function

PRISM allows high resolution analysis to rationally design therapeutics **based on microbial functions***.

This differentiates Biomica from current practices.

Current practices	Biomica
<p>Name: DX13756</p> 	<p>Name: DX13756</p> <p>Functional profile: Fully mapped</p> <p>Contribution to functions of interest: 9/10</p> <p>Modes of actions affected: 5/5</p> <p>Overall score: 9.75</p>



* **Functions:** Genetic elements (e.g. genes, operons, pathway, plasmids) and/or their biosynthetic products (e.g. metabolites, proteins, enzymes)

The optimal combination

Up to 4 bacterial strains are carefully selected, based on their functions, which may work across several complementary mechanisms.



Minimum no. of microbial strains



Maximum relevant & complementary functions



Optimal therapeutic impact

Biomica's optimal therapeutic outcome

	Number of microbial entities	QC	Scalability	Druggability	Patentability	COGS	Targeted multiple functions composition	Potency*	Safety**
Fecal Microbiota Transplantation (FMT)	—	—	—	✓	✓	✓	—	✓	✓
Single-strain method	✓✓	✓✓	✓✓	✓✓	✓	✓✓	—	✓	✓✓
Multi-strain rationally-designed LBPs	✓	✓✓	✓	✓✓	✓✓	—	✓	✓✓	✓
Biomica's rationally-designed LBPs	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓



* Higher efficacy due to multiple carefully selected MoAs

** Better safety due to fewer & carefully selected entities

The pipeline

	Program	Indication / Target	Discovery	Preclinical	Phase 1 / POC	Phase 2	Approach
Immuno-oncology	BMC128	Combination Therapy with ICI* for Solid Tumors					
GI-related disorders	BMC333	IBD					
	BMC426	IBS					
Antimicrobial resistance (AMR)	BMC202	C. difficile Infection					
	TBD**	MRSA Infection					

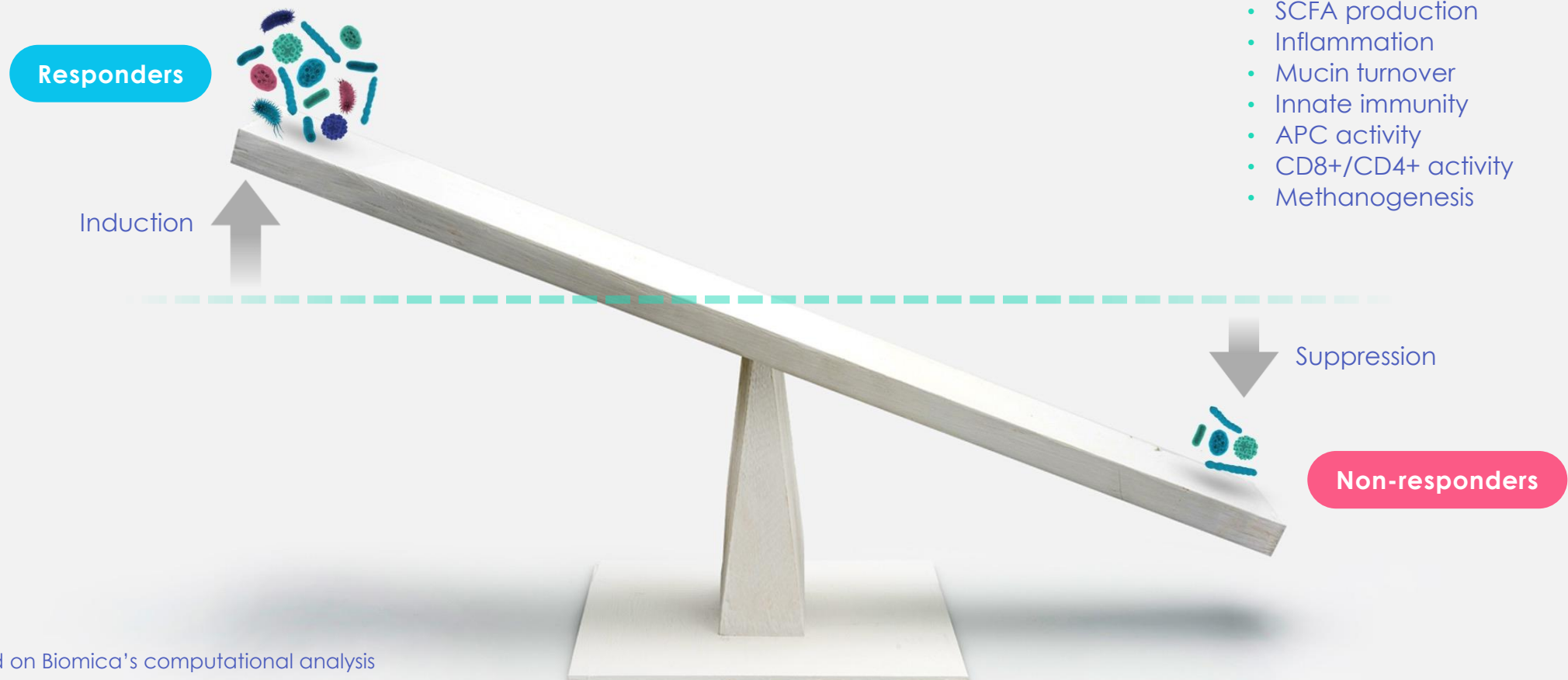
* Immune checkpoint inhibitors

**Biomica in collaboration with Nobel Prize Laureate Prof. Ada Yonath at Weizmann Institute of Science to develop a selective treatment for MRSA infection.

1

Cancer immunotherapy

Response to immunotherapy through specific bacterial functions



POC in humans

Modulating gut microbiome improves cancer treatment

Science

NEWS | HEALTH

Fecal transplants could help patients on cancer immunotherapy drugs

Early results hint that benefits seen in mice could extend to people

5 APR 2019 · BY JOCELYN KAISER

www.sciencemag.org/news/2019/04/fecal-transplants-could-help-patients-cancer-immunotherapy-drugs

“...Now, another potential therapy is being tested in clinical studies: fecal transplants. Early results from two groups described at the annual meeting of the American Association for Cancer Research (AACR) here this week suggest some patients who initially did not benefit from immunotherapy drugs saw their tumors stop growing or even shrink after receiving a stool sample from patients for whom the drugs worked...

...One unresolved question is exactly which microbes help ramp up the desired immune activity...

”

POC in humans

Modulating gut microbiome improves cancer treatment

Science

Reports

Cite as: E. N. Baruch *et al.*, *Science*
10.1126/science.abb5920 (2020).

Fecal microbiota transplant promotes response in immunotherapy-refractory melanoma patients

Erez N. Baruch^{1,2,*†}, Ilan Youngster^{3,4}, Guy Ben-Betzalel¹, Rona Ortenberg¹, Adi Lahat⁵, Lior Katz⁶, Katerina Adler⁷, Daniela Dick-Necula⁸, Stephen Raskin^{4,9}, Naamah Bloch¹⁰, Daniil Rotin⁸, Liat Anafi⁸, Camila Avivi⁸, Jenny Melnichenko¹, Yael Steinberg-Silman¹, Ronac Mamtani¹¹, Hagit Harati¹, Nethanel Asher¹, Ronnie Shapira-Frommer¹, Tal Brosh-Nissimov¹², Yael Eshet^{1,8,13}, Shira Ben-Simon¹⁰, Oren Ziv¹⁰, Md Abdul Wadud Khan¹⁴, Moran Amit¹⁵, Nadim J. Ajami¹⁴, Iris Barshack^{4,8}, Jacob Schachter^{1,4}, Jennifer A. Wargo^{14,16}, Omry Koren¹⁰, Gal Markel^{1,2,17,*†}, Ben Boursi^{1,18,19,†}

www.science.org/doi/10.1126/science.abb5920

Science

Clinical Trials

Davar *et al.*, *Science* **371**, 595–602 (2021)
5 February 2021

Fecal microbiota transplant overcomes resistance to anti-PD-1 therapy in melanoma patients

Diwakar Davar^{1*}, Amiran K. Dzutsev^{2*}, John A. McCulloch², Richard R. Rodrigues^{2,3}, Joe-Marc Chauvin¹, Robert M. Morrison¹, Richelle N. Deblasio¹, Carmine Menna¹, Quanquan Ding¹, Ornella Pagliano¹, Bochra Zidi¹, Shuowen Zhang^{1†}, Jonathan H. Badger², Marie Vetizou², Alicia M. Cole², Miriam R. Fernandes², Stephanie Prescott², Raquel G. F. Costa², Ascharya K. Balaji²

www.science.org/doi/10.1126/science.abf3363

Combination therapy

Initial focus on solid tumors: Lung cancer (**NSCLC**), renal cell carcinoma (**RCC**), and **melanoma**.
Biomica aims to **improve clinical response** to ICI through immunomodulating combination therapy.

Consortium	Micro-organism	Microbial component / function					Host response					Interactions with other micro-organisms		
		Cell envelope component	SCFA production	Lactate production	Flagella	Mucin degradation	Dendritic cell activation and TH1 response	CD4/8 activation	NF-kB activation	TLR activation	TNF α	Gut health	Consortium members	General gut residents
BMC 121	BMCS111	■	■	■	■	■	■	■	■	■	■	■	■	■
	BMCS114	■	■	■	■	■	■	■	■	■	■	■	■	■
	BMCS115	■	■	■	■	■	■	■	■	■	■	■	■	■
	BMCS117	■	■	■	■	■	■	■	■	■	■	■	■	■

Consortium	Micro-organism	Microbial component / function					Host response					Interactions with other micro-organisms		
		Cell envelope component	SCFA production	Lactate production	Flagella	Mucin degradation	Dendritic cell activation and TH1 response	CD4/8 activation	NF-kB activation	TLR activation	Gut health	Consortium members	General gut residents	
BMC 127	BMCS111	■	■	■	■	■	■	■	■	■	■	■	■	■
	BMCS114	■	■	■	■	■	■	■	■	■	■	■	■	■
	BMCS115	■	■	■	■	■	■	■	■	■	■	■	■	■
	BMCS117	■	■	■	■	■	■	■	■	■	■	■	■	■



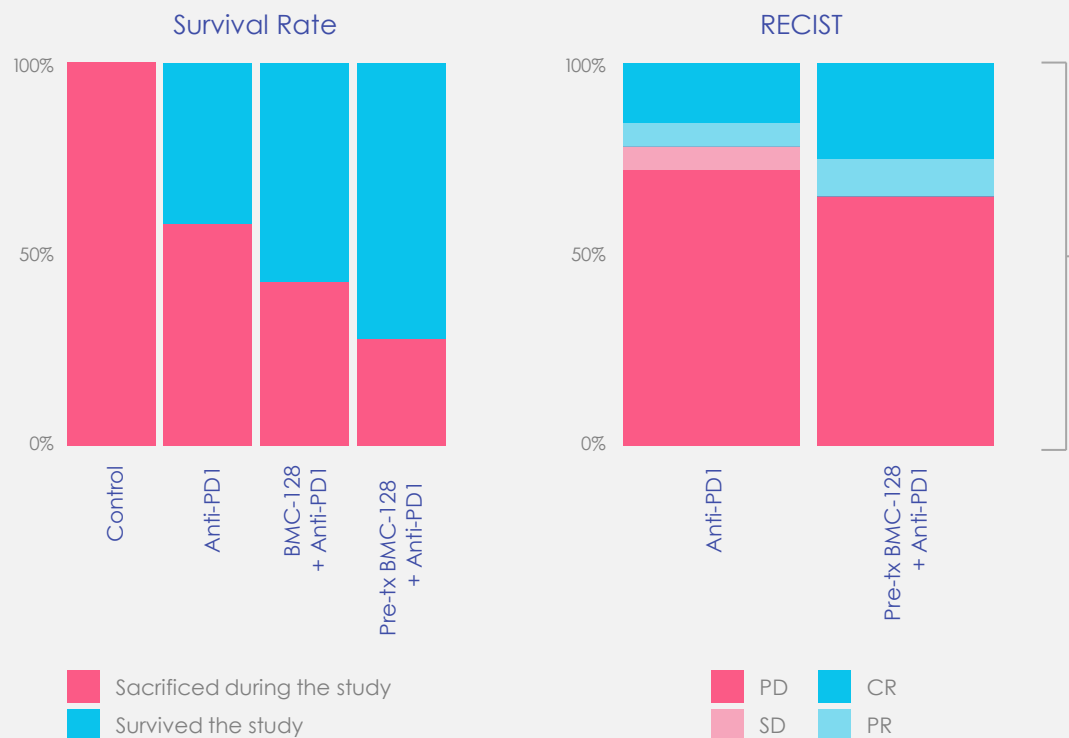
Next gen. optimized consortia

A new combination providing the selected microbial functions & presenting higher likelihood for survival in GI.

1

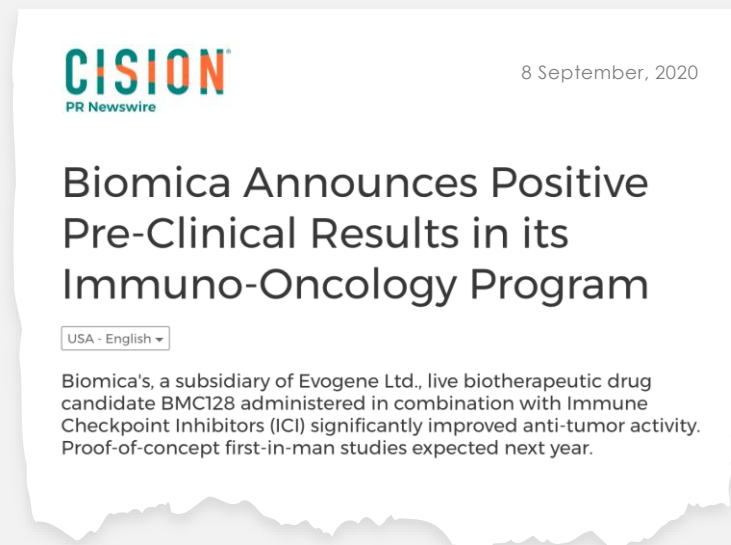
Cancer immunotherapy

BMC128 administered prior to and in combination with anti-PD1 significantly improved anti-tumor activity



ORR (CR+PR):
23.5% vs 34.8%

**48% increase
in responders**



The study indicates that pre-treatment with BMC128 conditions the immune system & primes it for an efficient anti-tumor response.

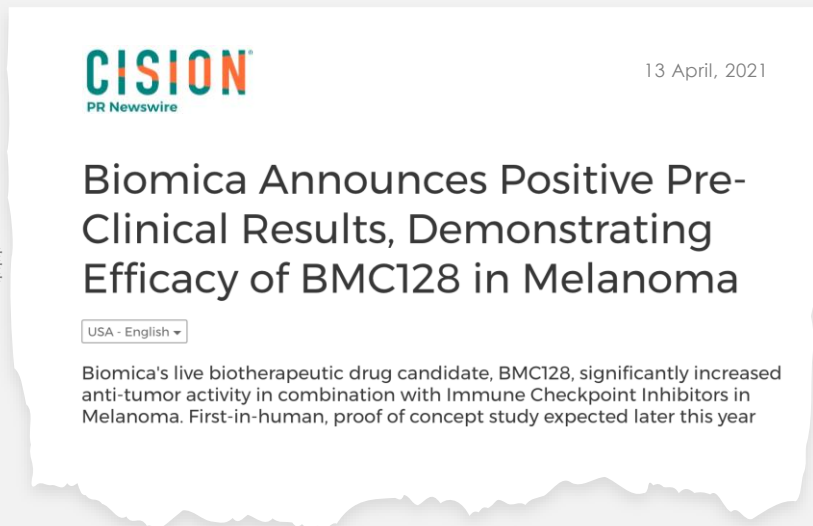
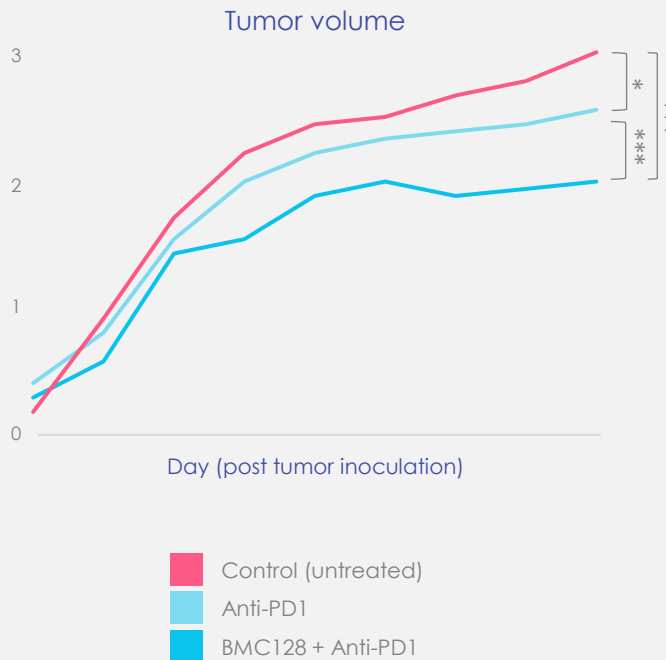
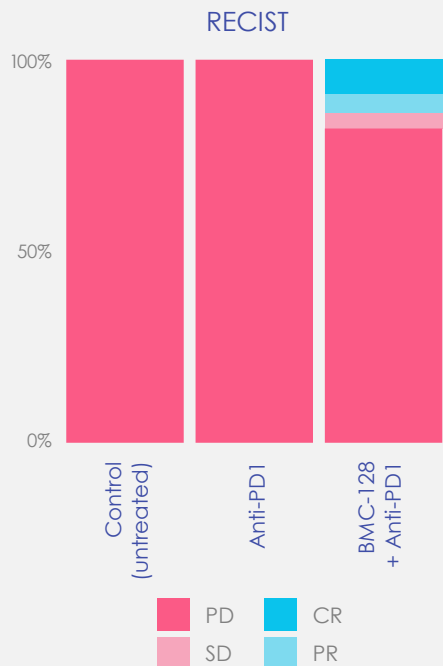


BMC128 demonstrating efficacy against melanoma

BMC128 significantly enhanced anti-tumor activity, resulting in an increased response of melanoma tumors to anti-PD1

BMC128 demonstrates **increased** Objective Response Rate (ORR)

No response in the Anti-PD1 group



These results demonstrate the potential applicability of BMC128 and its relevance to treating multiple types of solid tumors.

1

Cancer immunotherapy

Advancing into the clinical phase



BMC128 consists of **4 live bacterial strains**.



Results demonstrated a significant **reduction of tumor volume**, and **increased animal survival** compared to anti-PD1 therapy alone.



MoA is immune mediated – Increased tumor inflammation & infiltration of T lymphocytes and NK cells.



Potential applicability in the treatment **various types of solid tumors**.

CISION
PR Newswire

11 July, 2022

Biomica Announces
Successful Enrollment of First
Patient in its Phase I Study of
Microbiome-Based Immuno-
Oncology Drug USA - English ▾

Proof of Concept (POC) in-human trial to take place at Rambam Health Care Campus in Israel throughout 2022



POC first-in-human

First Patient dosed July 2022

A phase 1, open-label study to evaluate the safety and tolerability of **BMC128** in combination with anti-PD-1 (Opdivo™) in patients with **non-small cell lung cancer** (NSCLC), **melanoma** or **renal cell carcinoma** (RCC), who progress on immunotherapy



H1 2023

preliminary results and first data points readout expected in early 2023



12-15 Patients

expected to be enrolled in this phase I trial.



Safety & tolerability

of the BMC128 and anti PD-1 combination will be investigated as primary objective.



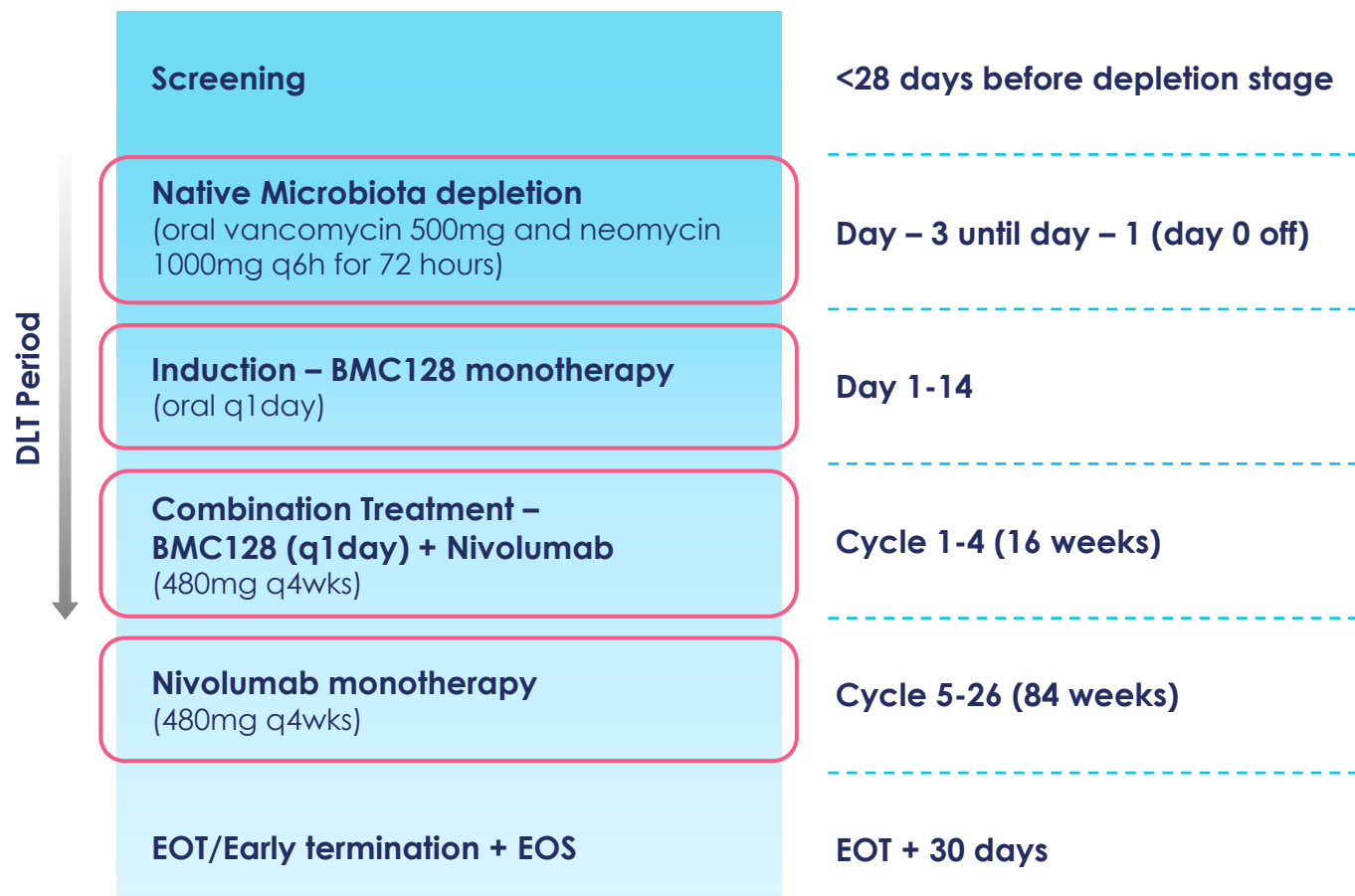
Exploratory objectives

are to explore efficacy variables in response to combined treatment with BMC128 and anti PD-1.

1

Cancer immunotherapy

BMC128 FIH Study design



Presented at

2022 ASCO ANNUAL MEETING
Chicago, IL, June 3- 7

BIOMICA

COMPANY PRESENTATION
"A rationally designed live bacterial consortium for the potentiation of immune checkpoint therapy in solid tumors"

Honored to be selected for the
2022 GRASP Advocate Choice Award

GRASP

25 DLT, Dose-limiting toxicity; EOT, end of treatment; EOS, end of study

* <https://clinicaltrials.gov/ct2/show/NCT05354102?term=bmc128&draw=2&rank=1>

2

GI-related disorders

IBS & IBD



Irritable bowel syndrome (IBS)*

A common intestinal functional disorder, group of symptoms: Abdominal pain, constipation or diarrhea, bloating, gas & diarrhea.



Inflammatory bowel disease (IBD)

A group of inflammatory conditions of the colon and small intestine (Crohn's disease, ulcerative colitis & pouchitis).

*In collaboration with The University of North Carolina (UNC) at Chapel Hill

Both clearly related to the microbiome

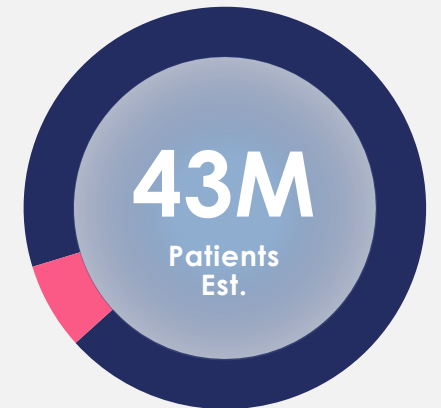
Biomica pushes the barriers posed by existing therapies by addressing the **underlying cause of the disorder, rather than the symptoms.**

<https://www.grandviewresearch.com/industry-analysis/irritable-bowel-syndrome-ibs-treatment-market>

<https://www.grandviewresearch.com/industry-analysis/inflammatory-bowel-disease-ibd-treatment-market>

IBS (40M)

IBS-D (16M)
IBS-C (14M)
IBS-M (9M)

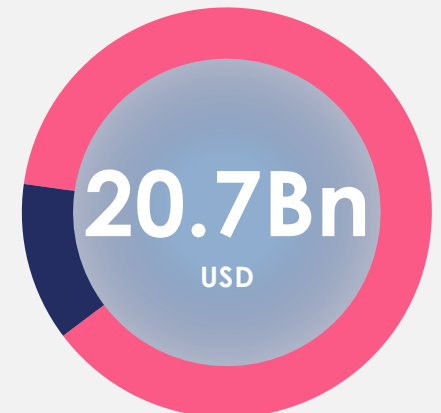


IBD (3M)

Crohn's disease (2M)
Ulcerative colitis (1M)
Pouchitis (150K)

IBS (\$1.5Bn)

IBD (\$19.2Bn)



Established role for microbiome in IBD etiology

A state of inflammation is associated with reduced richness of microbial taxa and functions

> [Gastroenterology](#). 2017 Feb;152(2):327-339.e4. doi: 10.1053/j.gastro.2016.10.012.
Epub 2016 Oct 18.

Roles for Intestinal Bacteria, Viruses, and Fungi in Pathogenesis of Inflammatory Bowel Diseases and Therapeutic Approaches

R Balfour Sartor ¹, Gary D Wu ²

Affiliations

- 1 Departments of Medicine, Microbiology and Immunology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Electronic address: rbs@med.unc.edu.
- 2 Division of Gastroenterology, Perelman School of Medicine, the University of Pennsylvania, Philadelphia, Pennsylvania. Electronic address: gdwu@mail.med.upenn.edu.

PMID: 27769810 PMCID: [PMC5511756](#) DOI: [10.1053/j.gastro.2016.10.012](#)



Drug comprised of 4 bacterial strains, detected through Biomica's proprietary computational functional genomic analysis platform.

BMC333

Optimized drug candidate derived from Biomica's drug candidates BMC321 and BMC322

Aimed to reduce inflammation for treating IBD



Strains selected for their anti-inflammatory functions, complement each other and target both immunocytes and intestinal mucosal cells.

> [Curr Treat Options Gastroenterol](#). 2015 Mar;13(1):105-20. doi: 10.1007/s11938-014-0042-7.

Therapeutic Manipulation of the Microbiome in IBD: Current Results and Future Approaches

Jonathan J Hansen ¹, R Balfour Sartor

Affiliation

- 1 Department of Medicine, University of North Carolina at Chapel Hill, CB 7032, Chapel Hill, NC, 27599, USA, jjhansen@med.unc.edu.

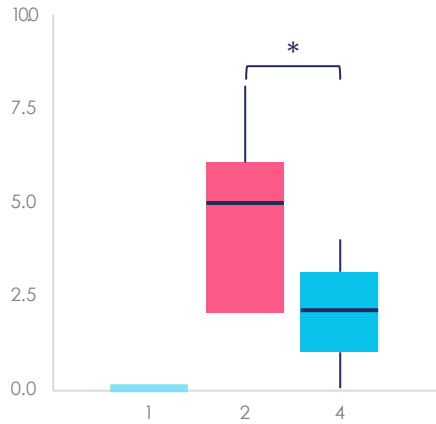
PMID: 25595930 PMCID: [PMC4364996](#) DOI: [10.1007/s11938-014-0042-7](#)



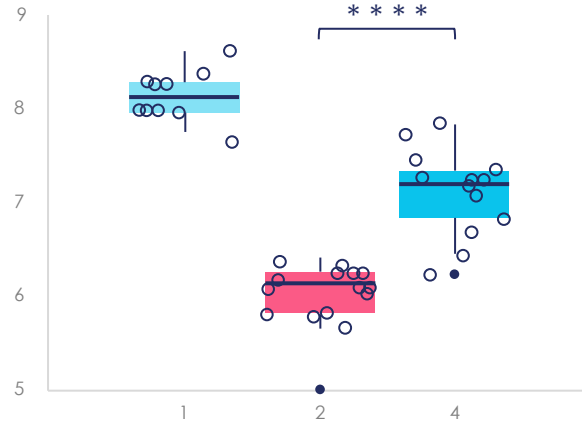
Each strain supports growth and metabolism of other strains, along with favorable gut resident bacteria.

BMC333 reduces inflammation and tissue damage

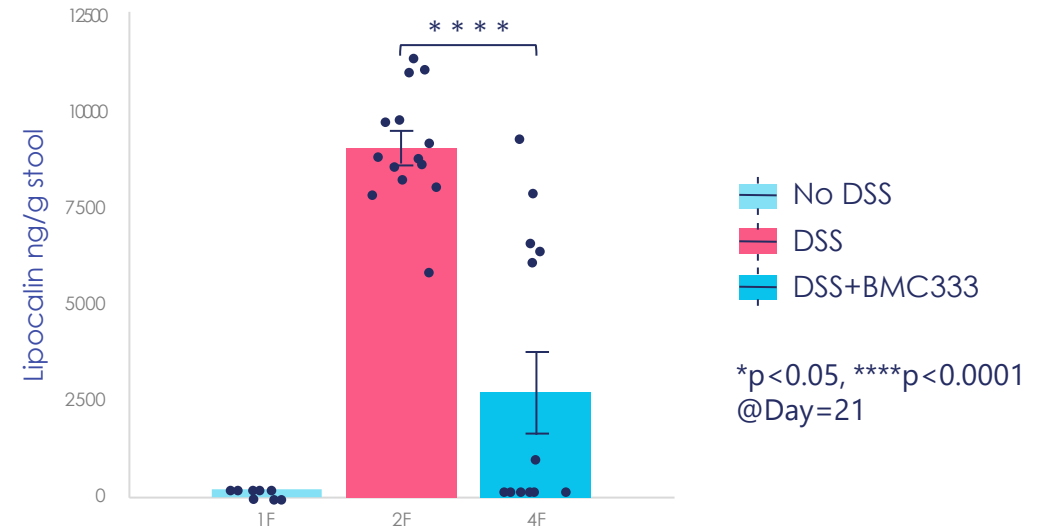
DAI Combined



Colon Length



Inflammation Level

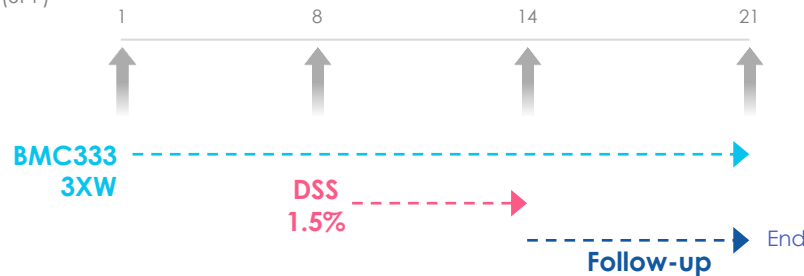


■ No DSS
■ DSS
■ DSS+BMC333

*p<0.05, ****p<0.0001 @Day=21



WT mice (SPF)



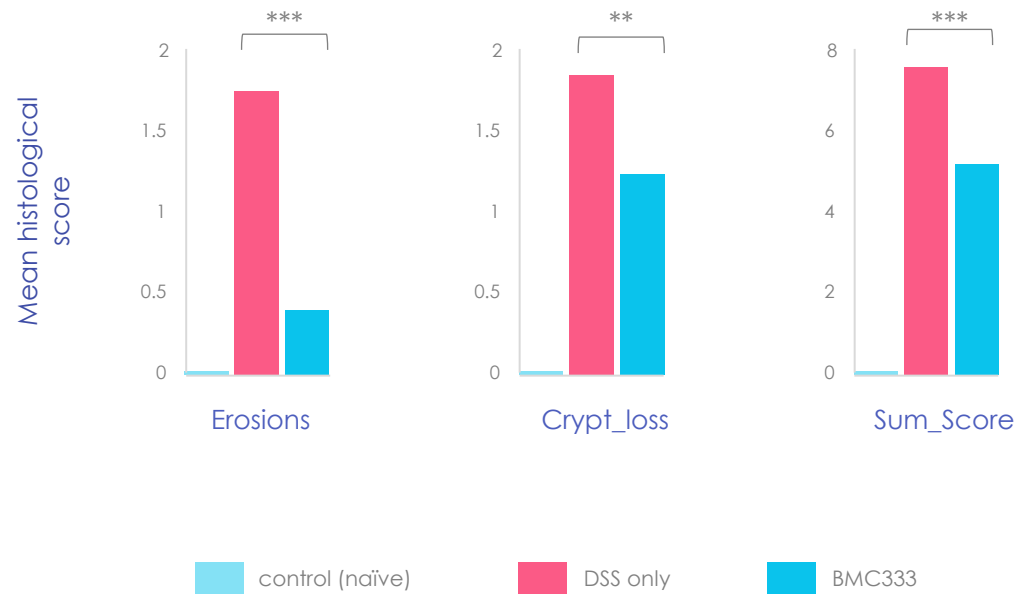
Study design for testing the anti-inflammatory effect of BMC333 in DSS-induced colitis murine model.

BMC333 reduces inflammation and tissue damage

Presented at

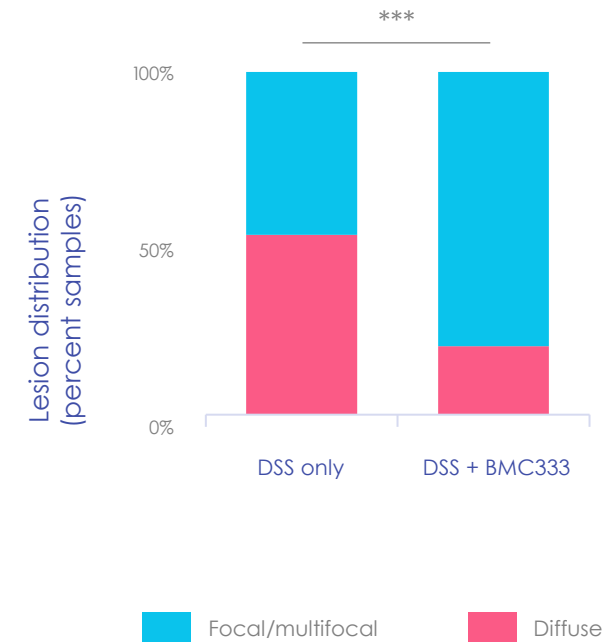


Histological analysis*



*DSS-treated mouse model **p<0.01, ***p<0.001

Colon lesions distribution



*** p=0.001



BMC333 reduces inflammation and tissue damage

 BMC333 consists of **4 live bacterial strains**.

 Results demonstrated a significant **reduction of inflammation**, and **intestinal tissue damage** in several in vivo models.

 **MoA is immune mediated** – involving induction of IL-10, increased regulatory T cells and B cells in lamina propria and systemic.

 Potential applicability in the treatment of IBD.

CISION
PR Newswire

13 April, 2022

Biomica Announces Agreement with Sheba Medical Center for Joint Microbiome Clinical Research USA - English

The research will be focused on developing new treatments for Inflammatory Bowel Disease (IBD)



3

Antimicrobial resistance (AMR)

Targeting multi-drug resistant bacterium while preserving healthy gut microbiome

C. difficile infection (CDI)



Most common hospital-acquired infections (Over 600,000 a year).



Increasing cause of morbidity and mortality.



Developing a selective anti-bacterial agent designed to inhibit the C. difficile toxin.

Due mostly to hospitalization, the economic cost of CDI (est.)

\$5.4Bn

MRSA infection

A collaboration between Biomica and the Nobel Prize Laureate **Prof. Ada Yonath** at the Weizmann Institute of Science.

In-licensed IP and knowhow generated by Prof. Ada Yonath.

Cause to tens of thousands of annual cases of mortality in the US.



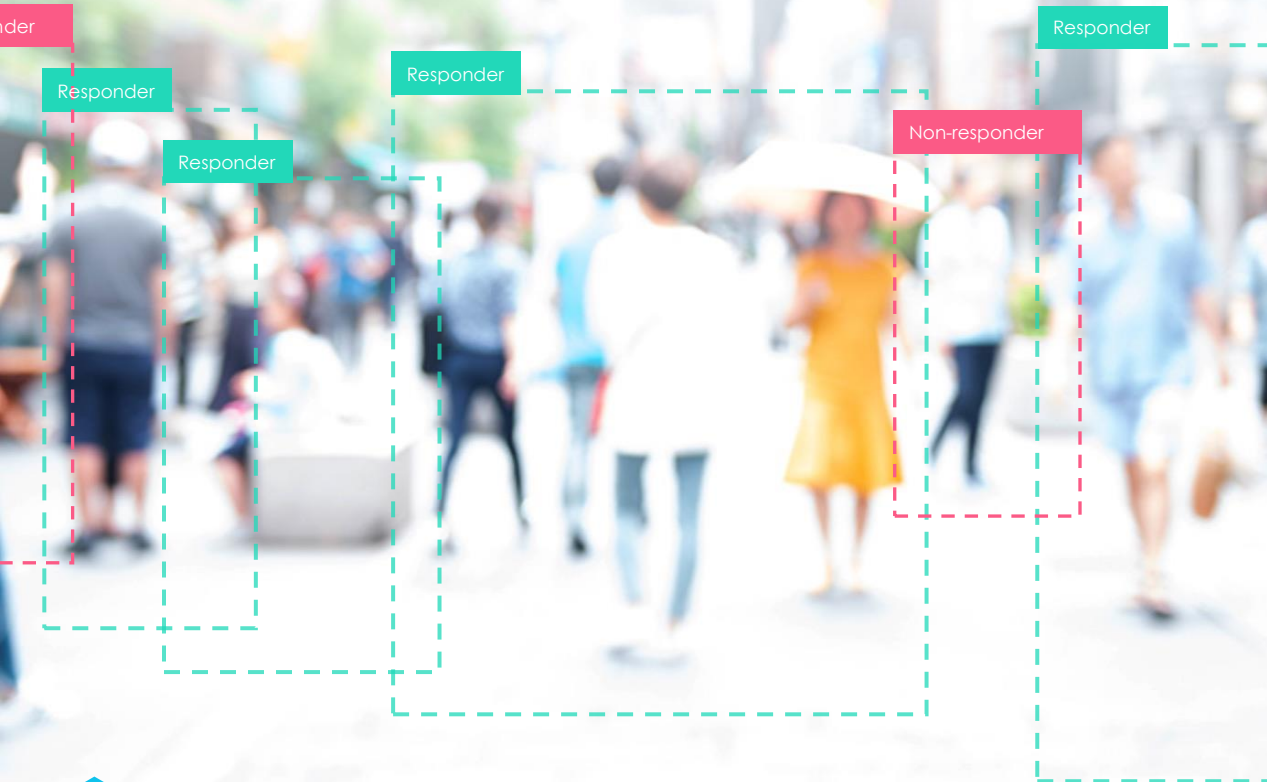
MRSA market in 2025 (est.)

\$3.9Bn

* www.pnewswire.com/news-releases/global-methicillin-resistant-staphylococcus-aureus-mrsa-drugs-market-to-reach-over-us-39-billion-by-2025-upsurge-in-the-consumption-of-antibiotics-across-the-globe-to-fuel-market-growth-observes-transparency-market-research-676949593.html

Upcoming advancements

Predictions for patients' response to ICI



The potential for future drugs



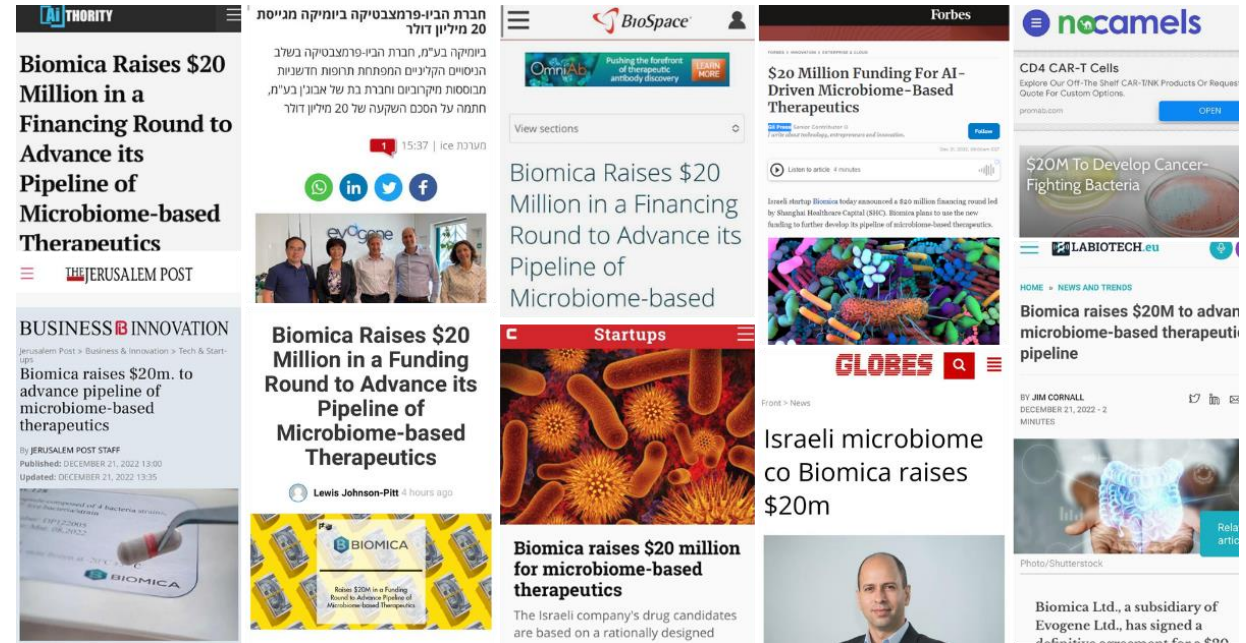
\$20M Funding Round

December 2022



BIOMICA

Raises \$20 Million
in a Financing Round



THORITY | חברת הביו-פרמצבטיקה בימיקה מגיבת 20 מיליון דולר

Biomica Raises \$20 Million in a Financing Round to Advance its Pipeline of Microbiome-based Therapeutics

Jerusalem Post

BUSINESS INNOVATION | Jerusalem Post > Business & Innovation > Tech & Startups | Biomica raises \$20m. to advance pipeline of microbiome-based therapeutics | By JERUSALEM POST STAFF | Published: DECEMBER 21, 2022 13:00 | Updated: DECEMBER 21, 2022 13:35

evogene | חברת הביו-פרמצבטיקה בשלב הביסוסים הקליניים המפתחת תרופות חדשניות מבוססות מיקרוביום וחברת בת של אבנן בע"מ, חתמה על הסכם השקעה של 20 מיליון דולר

15:37 | יציאה

BioSpace | Pushing the frontiers of therapeutic antibody discovery | Biomica Raises \$20 Million in a Financing Round to Advance its Pipeline of Microbiome-based Therapeutics

Forbes | \$20 Million Funding For AI-Driven Microbiome-Based Therapeutics | Israeli startup Biomica today announced a \$20 million financing round led by Shanghai Healthcare Capital (SHC). Biomica plans to use the new funding to further develop its pipeline of microbiome-based therapeutics.

nocamels | CD4 CAR-T Cells | Explore Our Off-The Shelf CAR-TNK Products Or Request Quote For Custom Options. | \$20M To Develop Cancer-Fighting Bacteria | LABIOTECH.eu

Startups | Biomica raises \$20 million for microbiome-based therapeutics | The Israeli company's drug candidates are based on a rationally designed

Israeli microbiome co Biomica raises \$20m

By JIM CORNALL | DECEMBER 21, 2022 - 2 MINUTES | Photo/Shutterstock | Biomica Ltd., a subsidiary of Evogene Ltd., has signed a



Led by **Shanghai Healthcare Capital (SHC)**, a leading Chinese private equity fund, focused on biotech and healthcare investments

An experienced management team



Elran Haber, PhD, MBA
CEO

Previously served as the CEO of Therapix Biosciences (Nasdaq, TASE: TRPX), leading the company to a successful IPO on Nasdaq and advancing the Company's programs to clinical stage. Spent more than 10 years as Chairman and board member of several privately held, and publicly traded companies. Served in senior executive roles in various life science companies and a private investment firm. Holds a PhD in Pharmaceutical Science and an MBA in Finance & Financial Engineering, both from The Hebrew University of Jerusalem, Israel.



Prof. Yehuda Ringel
CSO

Chief of the Gastroenterology and Hepatology Division of the Meir Medical Center in Israel; Professor of Medicine at Chapel Hill, North Carolina and is affiliated with University of North Carolina Hospitals. Has more than 30 years of diverse experiences, especially in Gastroenterology and translational research, and is an expert on IBS and functional motility disorders; Recipient of several prestigious awards. MD from Technion Institute of Technology, Israel.



Shiri Meshner, PhD
VP of Research & Development

Previously served as the head & principal investigator of the Dead Sea microbiology lab in the Dead Sea-Arava Science Center. Spent over 5 years working in the pharma industry both in the US and in Israel (OSI pharmaceuticals and Teva pharmaceuticals). Holds a PhD in systems microbiology from the Department of Physics of Complex Systems at The Weizmann Institute.



Yifat Zommer
VP Finance

Prior to joining Biomica, served as a finance advisor to public and private companies. Prior to that, she served as Chief Financial Officer of Oramed Pharmaceuticals Inc. (NASDAQ, TASE: ORMP) from 2009 to 2017. Holds a Bachelor of Accounting and Economics degree from the Hebrew University, an MBA from Tel-Aviv University and a Masters degree in Law (LL.M.) from Bar-Ilan University, Israel, and is a certified public accountant.

Board of directors



Ofer Haviv
Chairman

Mr. Ofer Haviv serves as Evogene's (Nasdaq: EVGN) President and CEO since of late 2004.



Jing Bao, MD, PhD
Director

Dr. Bao is a partner of Shanghai Healthcare Capital, has with more than 30 years of experience in cancer research, infectious disease control, fund management and drug clinical trials.



Doron Ben Ami
Director

Mr. Doron Ben Ami is a highly experienced executive with a successful track record of more than 20 years of in the Pharma industry.



Kinneret Savitsky, PhD
Director

Dr. Kinneret Livnat-Savitzky is a Managing Partner in Team8 Health. Previously served as the CEO and board member of FutuRx Ltd (OrbiMed, J&J Innovation and Takeda's accelerator), with over 25 years of experience in the biopharmaceutical industry.

World-class scientific advisory board & advisors



Prof. Yehuda Ringel

Chief Division of Gastroenterology and Hepatology at Meir Medical Center, Israel. Professor of Medicine at Chapel Hill, North Carolina and is affiliated with University of North Carolina Hospitals.



Prof. Willem M De Vos

Professor and Chair of Microbiology at Wageningen University, the Netherlands and Professor of Human Microbiomics at the University of Helsinki, Finland.



Prof. R. Balfour Sartor

Serves as the Midget Distinguished Professor of Medicine, Microbiology and Immunology and Director of the Multidisciplinary IBD Center at the University of North Carolina, Chapel Hill.



Prof. James Versalovic

Pathologist-In-Chief at Texas Children's Hospital and Director of Texas Children's Microbiome Center, Professor and Vice Chair of Pathology & Immunology at Baylor College of Medicine.



Prof. Gal Markel

Director of the Davidoff Cancer Center & Deputy Director General of the Rabin Medical Center. An internationally recognized expert in translational tumor immunology and clinical immunology.



Prof. David Rubin

Section chief of gastroenterology, hepatology, and nutrition at University of Chicago Medicine. Chair-elect of the National Scientific Advisory Committee of the Crohn's and Colitis Foundation.



Dr. Ravid Straussman

Principle investigator of the Tumor microenvironment, tumor microbiome and resistance to anti-cancer therapy lab at the Weizmann Institute of Science, Israel.

Summary



Human microbiome-based therapeutics is a rapidly growing space, and represents a multi \$Bn market opportunity.



Biomica develops innovative microbiome-based therapeutics utilizing dedicated computational predictive biology tools.



Biomica's computational tools and unique approach provide a significant differentiation.



Clinical POC - preliminary results and first data point readout expected in early 2023



Focus on high-value clinical programs for the development of therapies for antibiotic resistant bacteria, immunology and microbiome-related gastrointestinal (GI) disorders.



Experienced management team, board of directors & world-class scientific advisory board.



Thank you!

info@biomica.com