UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Form 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 9, 2020

	BiomX Inc.	
(E	xact Name of Registrant as Specified in its Cha	arter)
Delaware	0001-38762	82-3364020
(State or other jurisdiction of incorporation)	(Commission File Number)	(I.R.S. Employer Identification No.)
7 Pinhas Sapir St., Floor 2 Ness Ziona, Israel		7414002
(Address of Principal Executive Offices)		(Zip Code)
Registrant's	s telephone number, including area code: +972	723942377
	n/a	
(Form	er name or former address, if changed since las	st report)
Check the appropriate box below if the Form 8-K filing is intend	ed to simultaneously satisfy the filing obligation	on of the registrant under any of the following provisions:
☐ Written communications pursuant to Rule 425 under the Sec	ourities Act (17 CFR 230.425)	
☐ Soliciting material pursuant to Rule 14a-12 under the Excha	nge Act (17 CFR 240.14a-12)	
☐ Pre-commencement communications pursuant to Rule 14d-2	2(b) under the Exchange Act (17 CFR 240.14d-	2(b))
☐ Pre-commencement communications pursuant to Rule 13e-4	(c) under the Exchange Act (17 CFR 240.13e-	4(c))
Securities registered pursuant to Section 12(b) of the Act:		
Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Units, each consisting of one share of Common Stock, \$0.0001 p		NYSE American

1 itle of each class	I rading Symbol(s)	Name of each exchange on which registered
Units, each consisting of one share of Common Stock, \$0.0001 par	PHGE.U	NYSE American
value, and one Warrant entitling the holder to receive one half share of		
Common Stock		
Shares of Common Stock, \$0.0001 par value, included as part of the	PHGE	NYSE American
Units		
Warrants included as part of the Units	PHGE.WS	NYSE American

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company \boxtimes

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 7.01 Regulation FD Disclosure.

On January 9, 2020 after this report is furnished, BiomX Inc. (the "Company") will post an investor presentation to its website, in connection with upcoming investor meetings. A copy of the investor presentation is attached as Exhibit 99.1 to this Current Report on Form 8-K.

The information in this report is being furnished, not filed, pursuant to Regulation FD. Accordingly, the information in Items 7.01 and 9.01 of this report will not be incorporated by reference into any registration statement filed by the Company under the Securities Act of 1933, as amended, unless specifically identified as being incorporated therein by reference. The furnishing of the information in this report is not intended to, and does not, constitute a determination or admission by the Company that the information in this report is material or complete, or that investors should consider this information before making an investment decision with respect to any security of the Company or any of its affiliates.

Forward-Looking Statements

Statements contained in the exhibit to this report relating to future plans, results, performance, expectations, achievements and the likecontain certain "forward-looking statements" within the meaning of the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements can be identified by words such as: "target," "believe," "expect," "will," "may," "anticipate," "estimate," "would," "positioned," "future," and other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based only on the Company management's current beliefs, expectations and assumptions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of the Company's control. Actual results and outcomes may differ materially from those indicated in the forward-looking statements. The Company undertakes no obligation to revise or update any forward-looking statements except as may be required by applicable law. Therefore, you should not rely on any of these forward-looking statements. You should review additional disclosures the Company makes in its filings with the Securities and Exchange Commission (the "SEC"), which are available on the SEC's website at www.sec.gov.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit	Description
99.1	Investor Presentation
	1

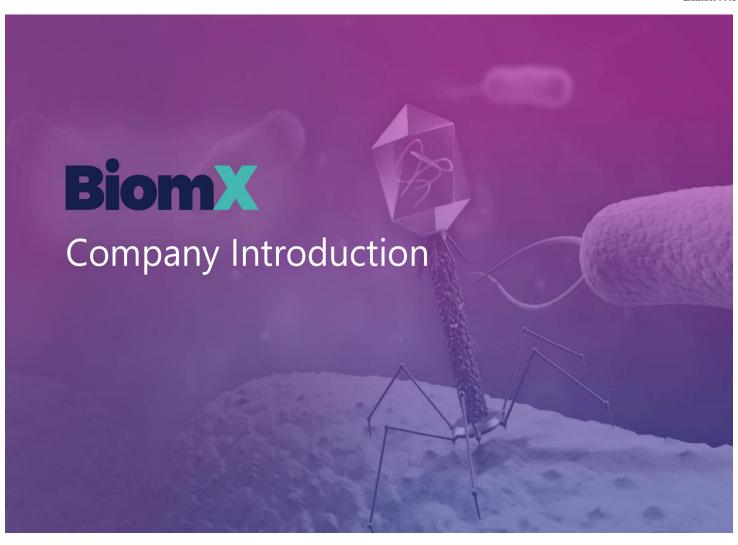
SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BIOMX INC.

January 9, 2020 By: /s/ Jonathan Solomon

Name: Jonathan Solomon Title: Chief Executive Officer



Safe Harbor Statement

This presentation contains certain "forward-looking statements" within the meaning of the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements can be identified by words such as: "target," "believe," "expect," "will," "may," "anticipate," "estimate," "would," "positioned," "future," and other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based only on BiomX management's current beliefs, expectations and assumptions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of our control. Actual results and outcomes may differ materially from those indicated in the forward-looking statements. Therefore, you should not rely on any of these forward-looking statements. You should review additional disclosures we make in our filings with the Securities and Exchange Commission (the "SEC"), which are available on the SEC's website at www.sec.gov.



Mission Statement



We develop precision medicines using both natural and engineered phage cocktails targeting harmful bacteria in chronic diseases and conditions such as acne, Inflammatory Bowel Disease, liver disease and cancer.



Unique Position as Leader in Phage Technology

Technology	 Phage discovery platform Proprietary synthetic biology capabilities Cutting-edge data science In-house manufacturing of customized phage cocktails 			
Pipeline	 Initial 4 programs: acne, IBD, PSC (a liver disease), colorectal cancer Phase I data in acne expected in Q1 2020 Phase I data in IBD expected in H2 2020 Phase I/II data in PSC expected in 2021 			
Exclusive access to novel targets	 Proprietary targets in IBD and PSC Target discovery and validation platform steered by cutting-edge research of scientific founders 			
Partnerships	 Acne collaboration with leading global cosmetic company Biomarker discovery in IBD for key Janssen (J&J) IBD drug 			
Leading life science and strategic investors	 On Oct. 2019 publicly listed (NYSE:PHGE) through a merger with \$60 million at closing 			
and strategic investors	OrbiNed Johnson Johnson Takeda Seventure			



Λ

Credentialed Leadership Team

Management Team

Droclara. **BiomX** Jonathan Solomon | CEO and Board Member evogene ChondroSite Assaf Oron I CBO **BiomX** CITERUM Allergan DURATA THERMOTION THE STATE OF THE STATE Sailaja Puttagunta, MD I CMO **BiomX** Merav Bassan, PhD I CDO **BiomX** teva Scientific Founders מכון ויצמן למדע שבאא שוווא אאנא Prof. Rotem Sorek מכון ויצמן למדע שווא אאאס Prof. Eran Elinav Prof. Timothy K. Lu MITBE



.

Credentialed Leadership Team

Board of Directors













Yaron Breski











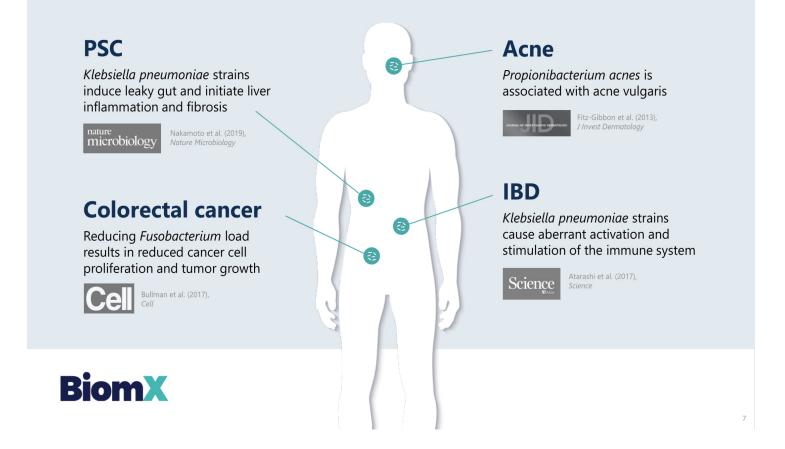
Lynne Sullivan





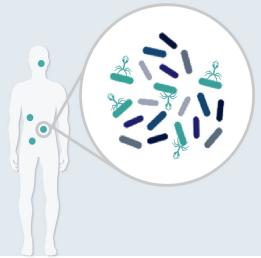


Growing Evidence of Role of Harmful Bacteria in Acne and Chronic Diseases



Phage: Nature's Precision Targeting Vector

Phage bind only to specific bacterial strains



Phage have an amplifying lifecycle 1 Locate 2 Inject 3 Infect 4 Multiply 5 Assemble 6 Eradicate 7 Seek

Source: Kortright et al. (2019), Cell Host & Microbe



Ω

Innovative Phage Technology Platform

Phage Hunting

- · Sample sourcing
- · Automated sample processing
- SynBio prophage extraction



Phage Engineering (SynBio)

- · Applied selectively when required
- Includes: Host range expansion, lysogenic to lytic conversion, payload incorporation

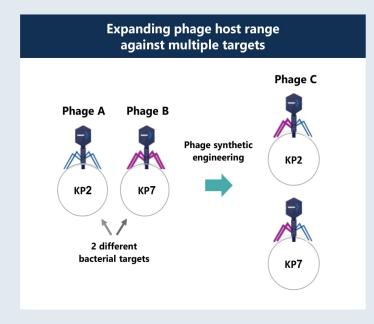
Cocktail Optimization

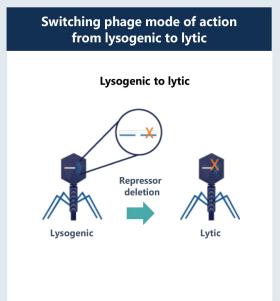
 Multi-dimensional optimization in vitro and in vivo for characteristics such as: host range, resistance and biofilm degradation



Q

Proprietary Synthetic Biology Capabilities



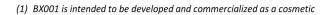


Source: Internal experiments



Pipeline

	Phage discovery	Preclinical	Phase I	Phase II	Partners
Product Candidates					
Acne • BX001 ¹				hase I results expected 1Q20 hase II results expected 2H20	Global cosmetics company
IBD • BX002				re-IND meeting held 2H19 hase I results expected 2H20	
PSC • BX003				re-IND meeting expected 2H20 hase I/II results expected 2H21)
Colorectal cancer					
	Biomarker discovery	Validation	Developme	nt	
Diagnostics					
IBD (responder/					janssen 1





Acne • BX001 Natural Phage Cocktail Attributes

- Active against 96% of tested *P. acnes* clinical strains (*in-vitro*)
- Active against antibiotic-resistant strains (in-vitro)
- Self-amplifying: 50-100 phage per bacteria killed
- Penetrates biofilm (in contrast to antibiotic erythromycin)
- Highly specific: Does not affect other skin microbiome bacteria
- Proprietary gel formulation

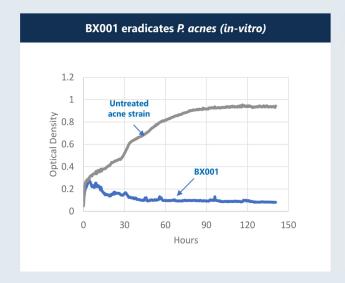
BX001
A topical gel containing natural phage against
P. acnes to modulate skin microbiome

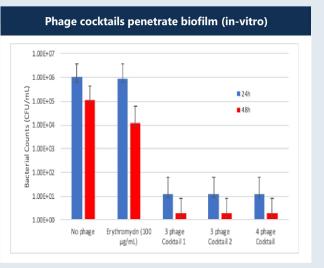


Sources: Internal experiments;



Acne • BX001 Preclinical Results









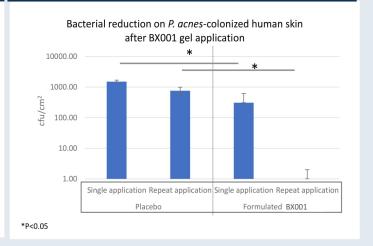
Acne • BX001 Preclinical Results

Release of active phage from BX001 gel on P. acnes bacterial lawn eradicated P. acnes

P. acnes lawn PAL lawn Newment BF-0x0 In 11.8 Apr W 112 Ets 150217

Black: Where gel with BX001 was applied **Red**: Area of phage activity (eradicated *P. acnes*)

Release of active phage from BX001 gel on P. Acnes – artificially infected human skin



Source: Internal experiments



Acne • BX001 Clinical Trial Design

4Q19

Phase II - planned Phase I - ongoing* 4-week study (placebo-controlled) 12-week study (placebo-controlled) Objectives Objectives Safety · Safety and efficacy · Exploratory endpoints Endpoints • Reduction of P. acnes (efficacy) • Reduction of P. acnes (efficacy) • Skin microbiome evaluation • Skin microbiome evaluation • Lesion numbers (efficacy, trend) • IGA and lesion numbers (efficacy) • 75 patients total over 3 cohorts • 100 patients total over 2 cohorts • 2 doses + 1 placebo (vehicle) • 1 dose + 1 placebo (vehicle) • 25 patients per cohort • 50 patients per cohort Phase I Phase II

1Q20



3Q19

2Q19

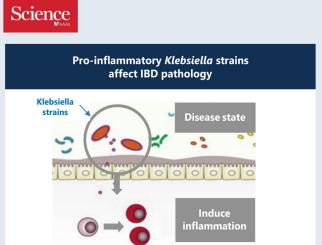
*An additional smaller single blinded, single application, placebo-controlled clinical trial to evaluate alternative methods of topical application is being conducted and expected to be completed in 1Q2020.

3Q20

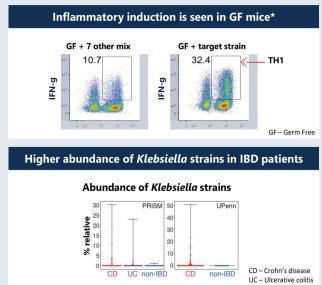
4Q20

2Q20

IBD • Targeting Harmful Pro-inflammatory Klebsiella Strains



T_H1



Activity of bacterial target confirmed by BiomX



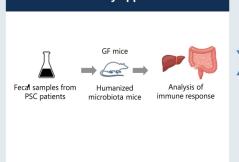
Source: Atarashi et al. (2017), Science

* TH1 – A lineage of CD4+ effector T cell secreting IFNg and TNF. In IBD, TH1 cells accumulate in the intestinal tract of IBD patients and are directly associated with disease

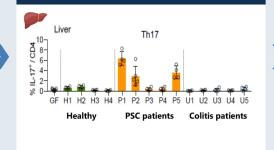
PSC • Klebsiella Identified as Novel Pathobiont*

nature microbiology

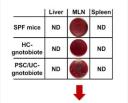
Discovery approach



Th17** is induced in livers of GF mice inoculated with fecal samples from PSC patients



KP isolated from mice's lymph nodes colonized with patient samples



Klebsiella pneumoniae plays a gating role

SPF — Specific-pathogen-free HC — Healthy Controls PSC/UC — PSC and ulcerative colitis

Klebsiella pneumoniae (KP) is a specific gut pathobiont of PSC that is an intestinal barrier disrupter and is pro-inflammatory ("leaky gut")



Source: Nakamoto et al. (2019), Nature Microbiology

* Pathobiont – potentially pathological organism that under normal conditions lives as a non-harming symbiont

**TH17 – A lineage of CD4+ effector T cell secreting IL17A+, promoting inflammation and fibrosis within the liver

PSC • Bacterial Pathogens Contribute to Orphan Liver Disease



PSC (primary sclerosing cholangitis)

Stricture of bile ducts impedes bile flow to intestines and gradually leads to cirrhosis of liver and liver failure

- ~30,000 US patients
- 10–15 years until liver transplant is required
- No existing therapy to avoid eventual liver transplant

- Evidence that manipulation of microbiome impacts the disease
- Abnormal high abundance of bacteria found in bile fluid of patients
- Most PSC patients suffer from ulcerative colitis

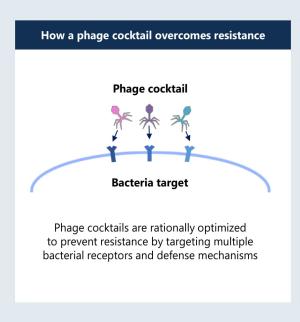
Hepatology. (2013) Dec;58(6):2045-55, UpToDate, MedScape

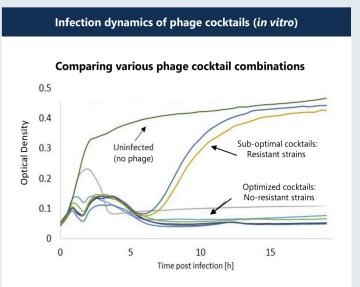
Source: NEJM 2016, PSC Review, LaRusso and Lazaridis



1.9

IBD • BX002 Cocktail Designed to Address Resistance by Using Phage Cocktails

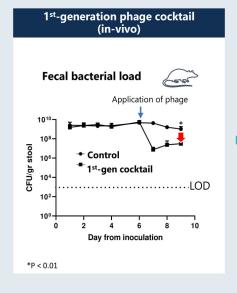




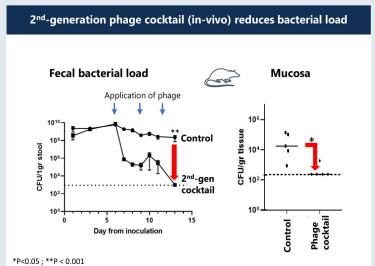
Source: Internal experiments

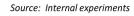


IBD • BX002 Cocktail Composition Drives Activity





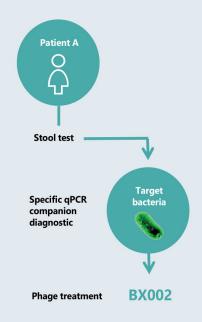






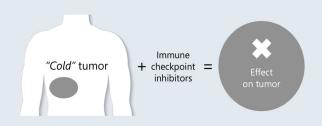
IBD • Planned Clinical Development - Phase 1

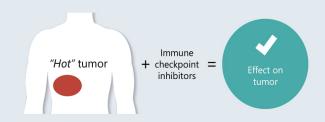
Study	Phase 1a/b
Study objectives	 Primary: Safety and tolerability of orally-administered BX002 Secondary: Reduction of target bacteria levels in stool Evaluation of microbial composition in stool Exploratory: Local inflammatory
Population	Target bacteria carriers – patients or healthy individuals
Cohorts	 30-45 patients across 3 cohorts 2 dose levels + placebo (vehicle) 10-15 patients per cohort
Treatment route, duration	Oral route4 weeks, daily administration





CRC • Most Colorectal Cancer (CRC) Patients Do Not Respond to Immunotherapy

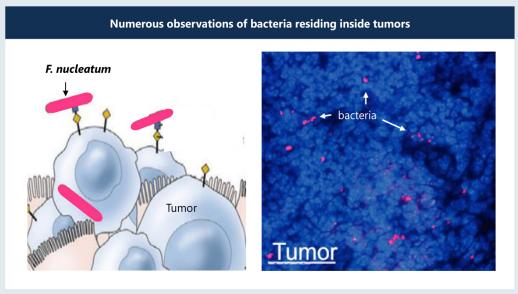


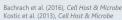


Sources: Vareki (2018), Journal for immunotherapy of Cancer; Galon et al. (2019), Nature Reviews/Drug Discovery



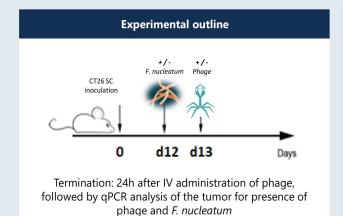
CRC • Bacteria Residing Inside Tumors Offer a Novel Targeted Intervention to "Uncloak" Tumors to "Hot"

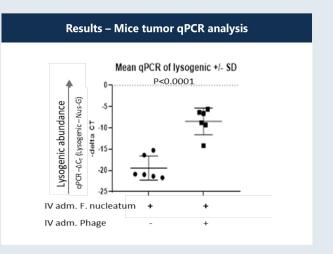






CRC • IV Delivery of Phage to Intra-tumor Bacteria has been Demonstrated



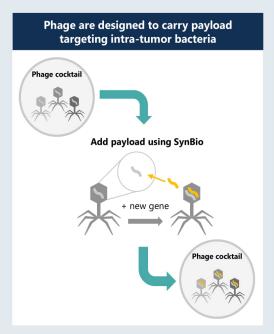


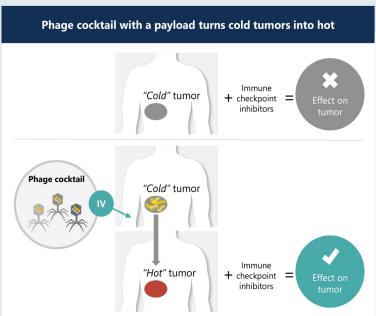
Detection of lysogenized intra-tumor *F. nucleatum* demonstrates phage delivered IV reached bacteria within tumor microenvironment and integrated stably into host bacteria genome

Source: Internal experiments



CRC • Engineered Phage Designed to Bring Immunestimulating Payload to Bacteria in Tumors







Key Catalysys

	1H19	2H19	1H20	2H20	1H21	2H21	
Acne	Mfg.	Phase I started	Phase I Results	Phase II results	Prep large- scale mfg.	Prep large- scale mfg.	
IBD	Phage cocktail	Pre-IND meeting	Mfg.	Phase I results	Phase II starts	Interim results	
PSC	Phage discovered	Phage cocktail	Phage cocktail	Pre-IND meeting	Phase I/II starts	Interim results	

Cash and cash equivalents as of Nov. 29th 2019: \$85 million



