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)

February 14, 2017

CAPRICOR THERAPEUTICS, INC.

(Exact name of Registrant as Specified in its Charter)

Delaware (State or other jurisdiction of incorporation) 001-34058 (Commission File Number) 88-0363465 (I.R.S. Employer Identification No.)

8840 Wilshire Blvd., 2nd Floor, Beverly Hills, CA (Address of principal executive offices)

90211 (Zip Code)

(310) 358-3200 (Registrant's telephone number, including area code)

Not Applicable (Former name or former address, if changed since last report)

Che	eck the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:
	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
	Pre-commencement communications pursuant to Rule 14d-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))

Item 7.01 Regulation FD Disclosure.

On February 14, 2017, Capricor Therapeutics, Inc., a Delaware corporation (the "Company"), posted to the "Investors" section of the Company's website awww.capricor.com a corporate presentation providing an update of the Company's current business and products (the "Corporate Presentation"). A copy of the Corporate Presentation is attached hereto as Exhibit 99.1 and is incorporated by reference into this Item 7.01 of this Current Report on Form 8-K.

The information contained in this Current Report on Form 8-K) is being furnished and shall not be deemed to be "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section and shall not be incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Capricor Therapeutics, Inc. Corporate Presentation, dated February 14, 2017.

SIGNATURES

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

CAPRICOR THERAPEUTICS, INC.

Date: February 15, 2017 By: /s/ Linda Marbán, Ph.D.

Linda Marbán, Ph.D. Chief Executive Officer



A Translational Medicine Company



Corporate Overview

NASDAQ: CAPR February 2017

This presentation contains forward-looking statements and information that are based on the beliefs of the management of Capricor Therapeutics, Inc. (Capricor) as well as assumptions made by and information currently available to Capricor. All statements other than statements of historical fact included in this presentation are forward-looking statements, including but not limited to statements identified by the words anticipates," "believes," "estimates," and "expects" and similar expressions. Such forward-looking statements also include any expectation of or dates for commencement of clinical trials, IND filings, similar plans or projections and other matters that do not relate strictly to historical facts. These statements reflect Capricor's current views with respect to future events, based on what we believe are reasonable assumptions; however, the statements are subject to a number of risks, uncertainties and There are a number of important factors that could cause actual results or events to differ materially from those indicated by such forward-looking statements. More information about these and other risks that may impact Capricor's business are set forth in Capricor's Annual Report on Form 10-K for the year ended December 31, 2015, as filed with the Securities and Exchange Commission on March 30, 2016, in its Registration Statement on Form S-3, as filed with the Securities and Exchange Commission on September 28, 2015 and in its Quarterly Report on Form 10-Q for the period ended September 30, 2016 as filed with the Securities and Exchange Commission on November 14, 2016. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those in the forward-looking statements. Further, Capricor's management does not intend to update these forward-looking statements and information after the date of this presentation.







Investment Highlights

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Innovative, Proprietary Therapeutic Platforms

- First-in-class biologics with potential to reverse "irreversible" damage to the heart and other organs
- · Product candidates based on cells and exosomes

Technical and Strategic Execution

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- · Developing commercial manufacturing process
- · Janssen collaboration and license option

Strong Scientific Foundation & Leadership Team

 Translational approach to product development based on the research of leading academic scientists and institutions

· Management has deep domain expertise

Capital Efficiency •

Successful record of securing non-dilutive capital

Potentially Transformative Newsflow in 2017

- · Multiple clinical readouts expected
- Decision on Janssen license option expected



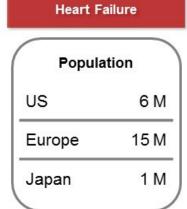
Product	Indication/	Development Phase					
Candidate	Population	Preclinical	-1	1	Ш	Status	
	Duchenne Muscular Dystrophy					 To report top-line six-month results from Phase I/II HOPE clinical trial in early 2Q 2017 	
CAP-1002 (allogeneic CDCs)	Post-Myocardial Infarction	>		>		To report top-line 12-month results from Phase II ALLSTAR clinical tria in 4Q 2017	
	Advanced Heart Failure			•		Presented positive 12-month DYNAMIC results at TCT	
CAP-2003 (CDC exosomes)	Ocular GVHD	>				■ Plan to submit IND in 2H 2017	



Duchenne Muscular Dystrophy

Population US 15 K Europe 20 K WW incidence ~ 1 per 3,600 male births

CAP-1002 has FDA orphan drug designation for the treatment of DMD.



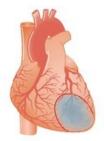


The Power of Capricor's Technology





cardiac muscle damage, e.g. due to heart attack



cardiospherederived cells (CDCs)





- → Reduced scar size
- → Increased viable myocardium
- → Improved cardiac function



Scar formation results from heart muscle death, and the amount of scar correlates with outcomes.

Neither time nor current treatment options will lead to the replacement of scar tissue with muscle.

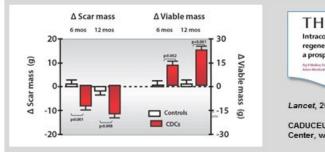
Capricor's technology offers transformative treatment potential through therapeutic regeneration.

Supported by results from clinical trials in heart attack and advanced heart failure populations.



First in-human evidence for therapeutic heart regeneration





THE LANCET
Intracoronary cardiosphere-derived cells for heart
regeneration after myocardial infarction (CADUCEUS):
a prospective, randomised phase 1 trial

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Lancet, 2012, 21(6): 1121-1135.

CADUCEUS was sponsored by Cedars-Sinai Medical Center, with Johns Hopkins University



- Randomized trial in patients who had experienced a large heart attack (N=25; two centers)
- One-time intracoronary delivery of autologous CDCs vs. usual care controls

The size of the infarct or residual scar following MI is a predictor of outcomes, e.g.:

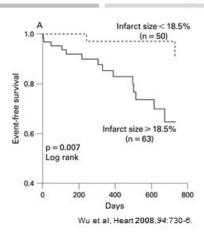
- re-infarction
- heart failure requiring hospitalization
- cardiac death



CADUCEUS Trial Results	Scar Size (as mean percent of LV) (SD)			
IIIai Results	CDCs	Control		
Baseline	23.8% (9.9)	22.4% (7.9)		
12 Months	12.9% (6.1)	20.3% (7.5)		

Malliaras et al, J Am Coll Cardiol 2014;63:110-22.







Clinical trials of CAP-1002 in prevalent cardiovascular disorders:

Phase I/II
ALLSTAR trial
in post-myocardial infarction

Phase I portion – completed & results reported Phase II portion – enrollment completed Phase I
DYNAMIC trial
in advanced heart failure

Completed & results reported

- Well-tolerated in completed studies; no immune-related safety observations
- Positive and concordant efficacy results reported, with support for dose-response



- Similar to CADUCEUS trial, but using CAP-1002 (allogeneic)
- Randomized, double-blind, placebo-controlled Phase II trial of CAP-1002
 134 patients who had experienced a large heart attack were enrolled
 Each received a one-time infusion of CAP-1002 (25M cells) or placebo
 Trial being conducted at 30 centers in U.S. & Canada

Expect to report top-line 12-month data in 4Q 2017

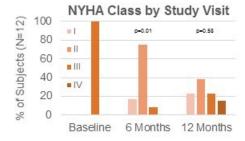
- → primary efficacy analysis based on scar size at 12-month follow-up
- Phase I results support safety, with evidence of scar size reduction

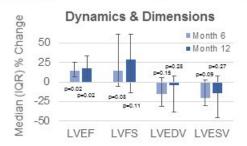


Supported in part by loan award from CIRM

Positive Results with CAP-1002 in Advanced Heart Failure









- DYNAMIC demonstrated an efficacy signal despite its small sample size (N=14).
- Concordant improvements from baseline in functional status and ventricular function were observed, and were especially evident at six months,
- A dose effect was also seen, with the highest dose (75M cells) yielding the greatest benefit to NYHA Class.



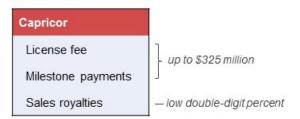
DYNAMIC was an open-label, dose-escalation clinical trial in patients with dilated cardiomyopathy.

NYHA Class III or ambulatory Class IV HF of ischemic or non-ischemic origin and baseline LV ejection fraction ≤ 35%.

One-time triple coronary infusion at one of four doses (37.5, 50, 62.5, or 75 million cells); six and 12-month follow-up.

- In 2014, Capricor granted Janssen Biotech an exclusive option to enter into an exclusive license agreement for worldwide rights to CAP-1002 for certain CV indications
- Option period to end 60 days following Capricor's delivery of interim six-month ALLSTAR data to Janssen
- Under a potential license agreement for CAP-1002:

Development and registration Product manufacture Global commercialization





Manufacturing Process Development with Janssen

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We expect to be able to generate thousands of doses of CAP-1002 from each donor heart via commercial process in development







Cell Therapy Program for Duchenne Muscular Dystrophy



"Cardiomyopathy is an almost universal finding in boys affected with DMD"

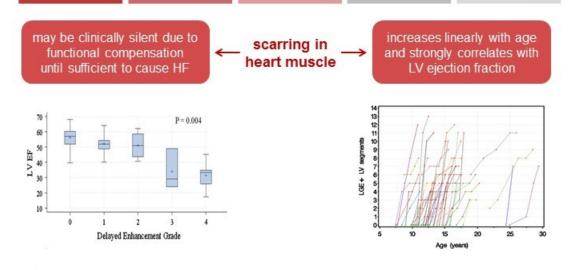
Pediatric Cardiol. (2014) 35: 1279-1285

"As a result of respiratory support and glucocorticoid use, patients with DMD are living longer, bringing the associated cardiomyopathy to the forefront of management for Duchenne patients as they age"

Circulation. 2015;131:1590-1598.

- DMD results from mutation in dystrophin gene
- By early adulthood, nearly all people with DMD have clinical manifestations of cardiac disease
- No approved therapies for the heart disease associated with DMD







Menon et al, Pediatr Cardiol 2014;35:1279-85; Tandon et al, J Am Heart Assoc 2015;4:e001338.

Concept of Using CAP-1002 to Treat DMD Heart Disease

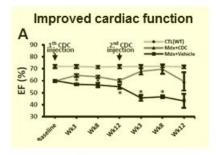
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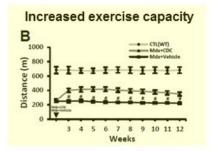
Diverse effects of CDCs support their potential to retard or reverse the multiple pathological processes that occur in DMD $\,$

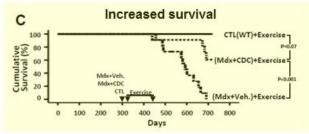
What happens in DMD	CDCs' Actions
Oxidative/nitrosative stress	Anti-oxidative
Inflammation	Anti-inflammatory
Apoptosis	Anti-apoptotic
Remodeling	Anti-remodeling
Loss of myocytes	Regenerative





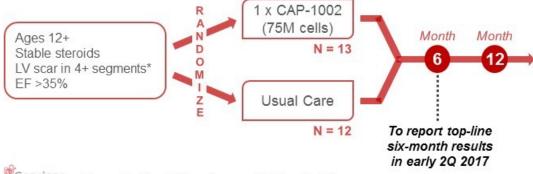








Being conducted in 25 boys and young men with DMD-associated cardiomyopathy Ambulatory and non-ambulatory patients are eligible Single infusion of CAP-1002 or usual care only Exploratory efficacy assessments to be conducted at six and 12 months



* Assessed by late gadolinium enhancement (LGE) cardiac MRI.

HOPE Features a Variety of Exploratory Efficacy Analyses

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	Week 6	Month 3	Month 6	Month 12
Imaging				
Cardiac magnetic resonance (cMRI)			•	•
Functional Tests				
Performance of the Upper Limb (PUL)	•	•	•	•
6-Minute Walk Test	•	•	•	•
Spirometry	•	•	•	•
Quality of Life				
Pediatric QL Inventory	•	•	•	•
PODCI Adolescent Questionnaire	•	•	•	•
Biomarkers				
Osteopontin, ST2, IL-10, Galectin-3, other	•	•	•	•



Cardiac MRI to Assess Several Parameters

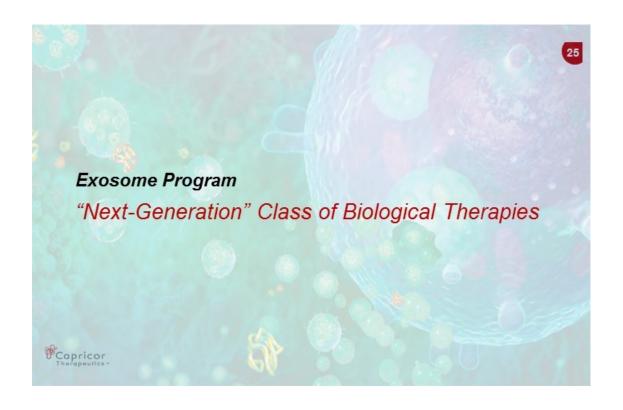
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Left Ventricular	Month 6	Month 12
Myocardial composition		
Scar (late gadolinium enhancement)	•	•
Viable mass		101
Dynamics		
Ejection fraction	•	•
Regional wall motion		•
Circumferential strain	•	(•)
Dimensions		
End-diastolic volume	•	•
End-systolic volume	(•()	3.00
Stroke volume		800



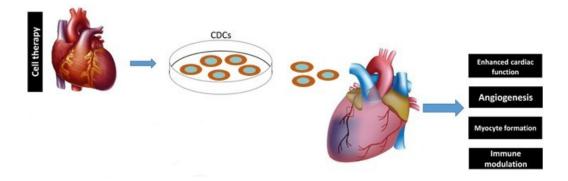
- Expected to be reported:
 - Safety and tolerability
 - Exploratory efficacy measures (no powering for statistical significance)
- Independent Data Safety Monitoring Board (DSMB) has met four times during study per a predefined schedule
 - Trial was recommended to continue following each review





Exosomes – a Cell-Free Regenerative Medicine Platform



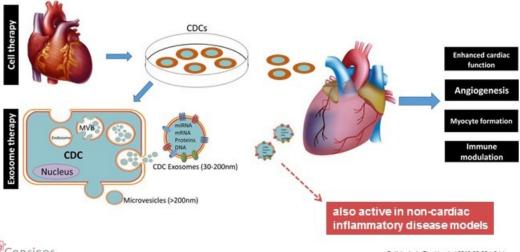




Gallet et al, Eur Heart J 2016;38:201-211.

Exosomes – a Cell-Free Regenerative Medicine Platform





Capricor

Gallet et al, Eur Heart J 2016;38:201-211.

Cash and cash equivalents	\$20.5 million (as of 9/30/16)		
Net cash used in operations	\$11.6 million (nine months ended 9/30/16)		
Shares outstanding	21.4 million (February 13, 2017)		

Capricor has received over \$30 million in competitive grant and loan awards



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Clinical Programs

CAP-1002 in Duchenne Heart Disease

✓ 3Q 2016: Announced completion of enrollment in HOPE trial Early 2Q 2017: To report six-month top-line results of HOPE trial

CAP-1002 in Adult Heart Disease

- √ 4Q 2016: Announced completion of ALLSTAR enrollment
- ✓ 4Q 2016: Presented positive 12-month DYNAMIC results at TCT conference Mid-2017: Expect Janssen decision on license option

Preclinical

CAP-2003

✓ 3Q 2016: Reported positive effects in oGVHD-relevant model 2H 2017: Expect to submit IND application for oGVHD





A Translational Medicine Company

NASDAQ: CAPR www.capricor.com