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 26, 2021

CATALYST BIOSCIENCES, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation)

000-51173 (Commission File Number)

56-2020050 (IRS Employer Identification No.)

611 Gateway Blvd, Suite 710, South San Francisco, CA 94080 (Address of principal executive offices)

(650) 871-0761 (Registrant's telephone number, including area code)

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

Check 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:

 $\hfill\square$ \hfill 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))

Securities registered pursuant to Section 12(b) of the Act:

	Trading	Name of each exchange
Title of each class	Symbol(s)	on which registered
Common Stock	CBIO	Nasdaq

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 \Box

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 26, 2021, Catalyst Biosciences, Inc. (the "Company") posted an update to its corporate presentation (the "Presentation") on its website, ir.catalystbiosciences.com/presentations-events. A copy of the Presentation is attached hereto as Exhibit 99.1.

The information in this Item 7.01 of this Current Report on Form 8-K (including Exhibit 99.1) is being furnished and shall not be deemed "filed" for 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. The information in this Current Report shall not be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibits

 Exhibit No.
 Description

 99.1
 Presentation slide deck.

104 Cover Page Interactive Data File (formatted as Inline XBRL).

SIGNATURES

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.

Date: January 26, 2021

CATALYST BIOSCIENCES, INC.

/s/ Clinton Musil Clinton Musil Chief Financial Officer

CATALYST BIOSCIENCES

Corporate Overview 26 January 2021

CatalystBiosciences.com

Forward looking statements

Certain information contained in this presentation and statements made orally during this presentation include forward-looking statements that involve substantial risks and uncertainties. All statements included in this presentation, other than statements of historical facts, are forwardlooking statements. Forward-looking statements include, without limitation, statements about the product candidates of Catalyst Biosciences, Inc. (the "Company") and the benefits of its protease engineering platform, potential markets for and advantages of MarzAA and DalcA; plans to enroll a pivotal Phase 3 registration study of MarzAA; the initiation of a Phase 1/2 trial in patients with FVII Deficiency, Glanzmann Thrombasthenia, and patients treated with Hemlibra; MarzAA as possibly the first prophylactic for FVII Deficiency and Glanzmann Thrombasthenia; the potential for MarzAA and DalcA to effectively and therapeutically treat hemophilia subcutaneously; projected complement market opportunity, solution to fundamental shortcomings in current treatment options, plans to enroll the CB 4332 observational trial in the Company's complement program in mid-2021, and ongoing updates related to CB 4322 and the C4b degrader.

Actual results c expectations ar statements. Va events to differ and studies ma that trials may i replicate the re develop or mar anticipated, inc manufacturing Biogen will tern other risks desc Company's Anr and Exchange Report on Forn other filings wit presentation re presentation ar update any for



The Protease Medicines Company

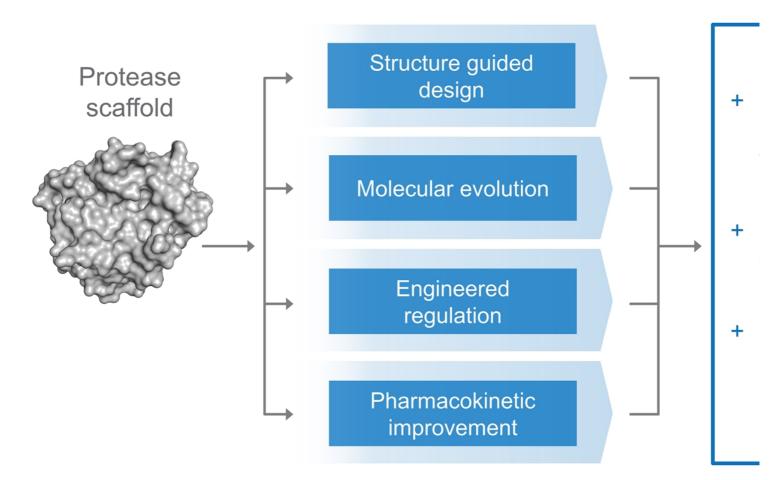
Harnessing the catalytic power of protea

- ✓ Late-stage asset in Phase 3
- Robust complement portfolio
- ✓ Clinical-stage hemophilia assets

Catalyst's protease platform generates dif

Unique expertise in protease biology enables design of or

Discovery platform

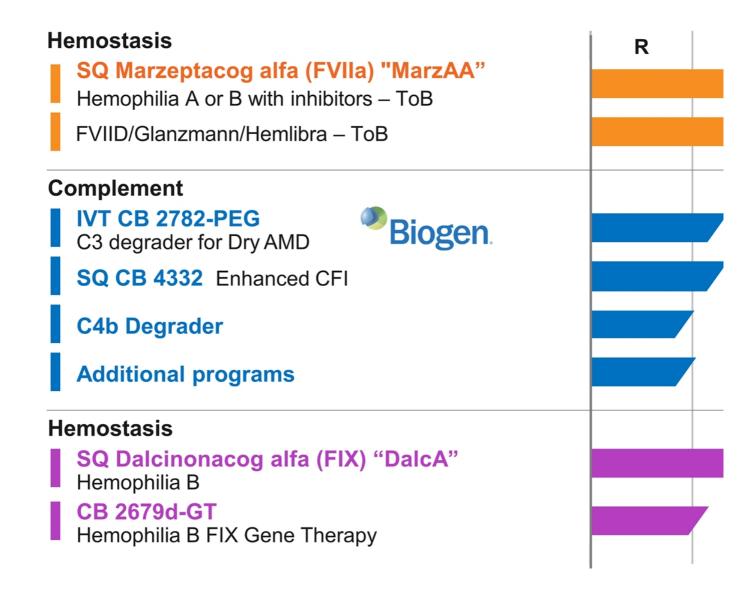


Proteases are ideal for high abundancy ta

A better way to regulate biological processes compared w

Proteases

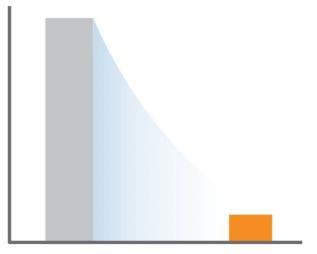
Pipeline



Clinical & partnering success of the CBIO

Marzeptacog alfa

90% reduction in annualized bleed rate

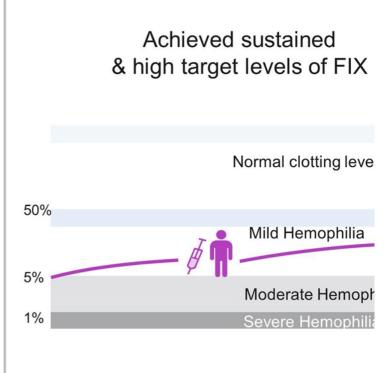


Before treatment

On treatment

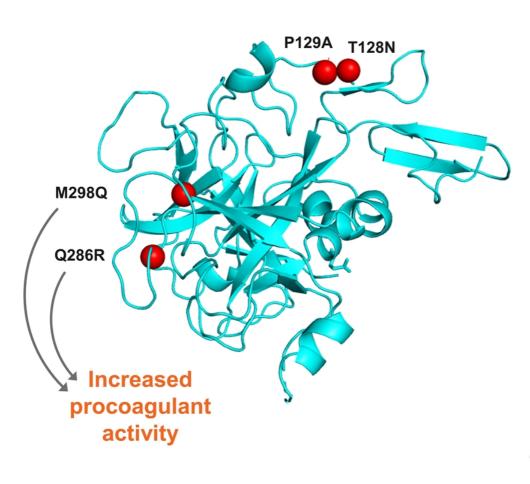
Sengineered rFVIIa protease

Dalcinonacog alfa





Marzeptacog alfa (activated) – MarzAA: SC Addresses a clear unmet need in hemophilia & othe



9-fold higher a

- + Potency allows
- Simple, small v

Preclinical effi

+ HA mouse afte

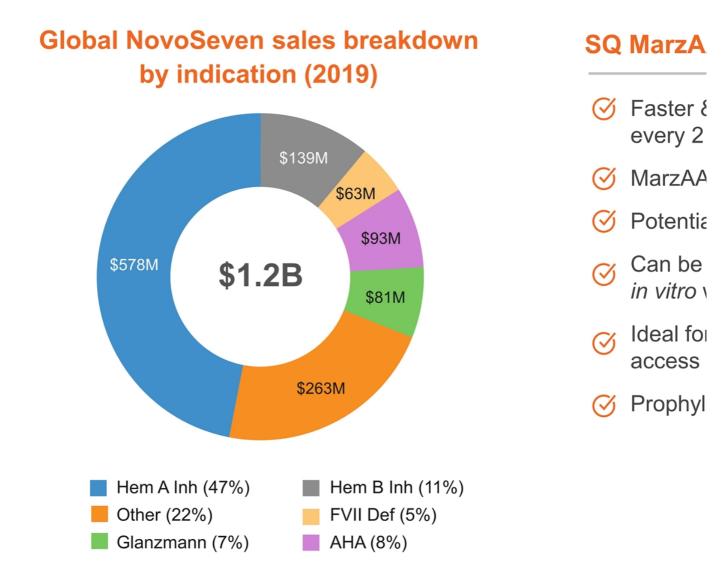
P2/3 prophyla: HB with inhibi

+ 46 patients trea
 3 SQ doses/da

FDA Fast Trac episodic bleec

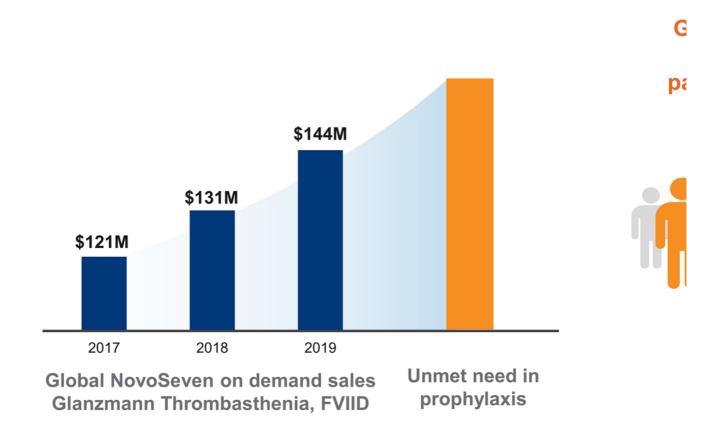
+ Granted on 2 [

SQ MarzAA is a large commercial opportu



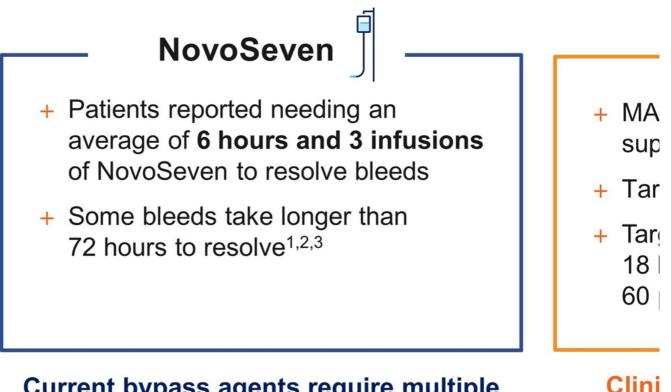
Source: Adivo Associates market research; Catalyst Biosciences market research. Data on file © Catalyst Biosciences

MarzAA could be the first prophylactic for



Source: Catalyst Biosciences, Adivo Associates Market Research, Data on file. *Note: Treated patients may be counted multiplevents per year needing factor treatment

Unmet need in treatment of a bleed

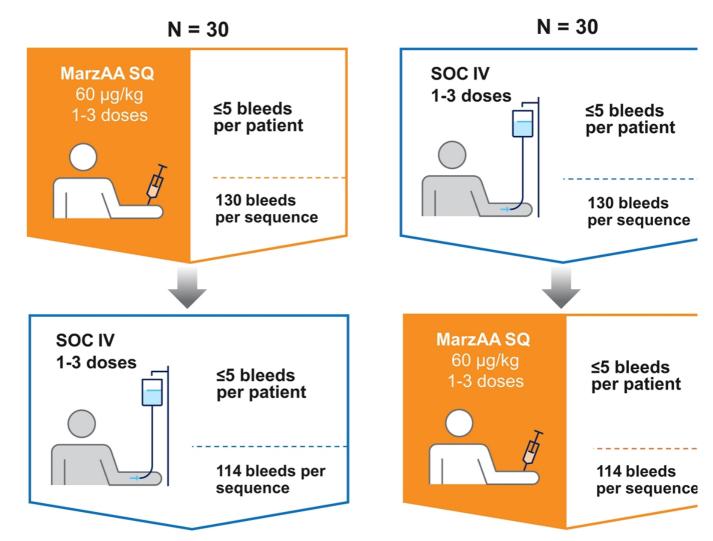


Current bypass agents require multiple infusions over the course of hours

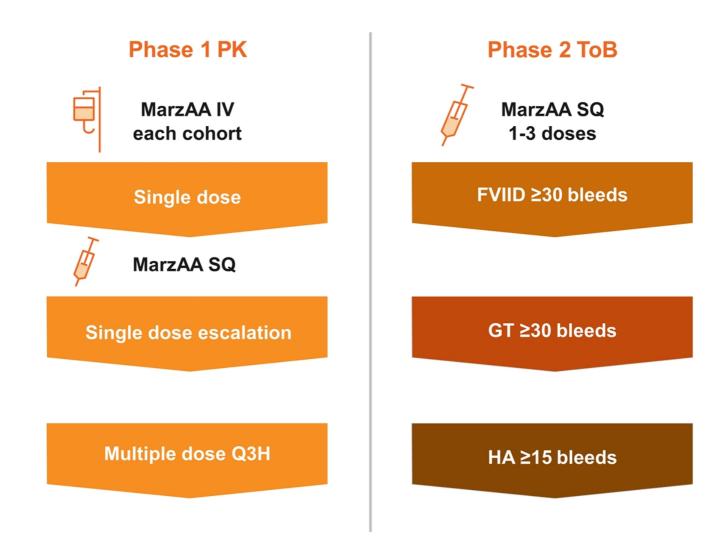
Source: ¹NovoSeven PI Rev 7/2020; ²Adivo Associates market research; ³Catalyst Biosciences market research © Catalyst Biosciences

Crimson 1 Phase 3 study: Treatment of ep

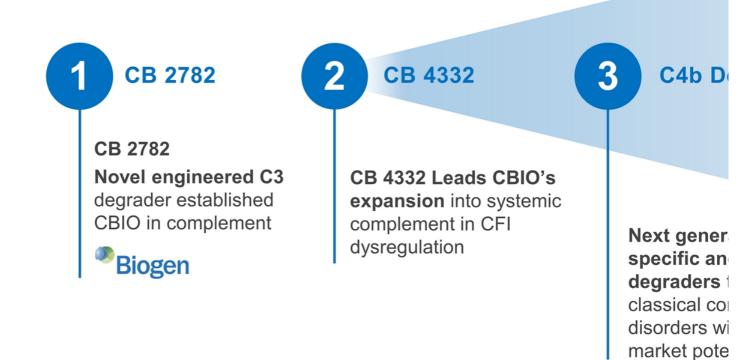
Hemophilia A or B with inhibitors, ABR ≥ 8



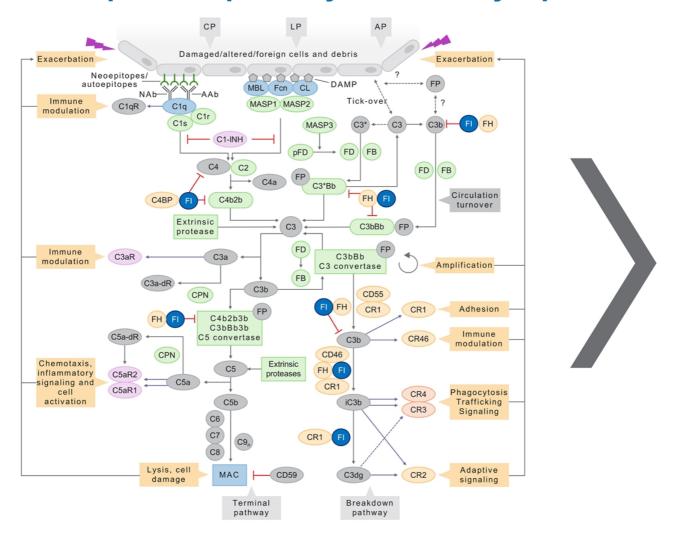
MAA-202 Phase 1/2 study design FVII deficiency, Glanzmann Thrombasthenia and H/



CBIO's complement pipeline

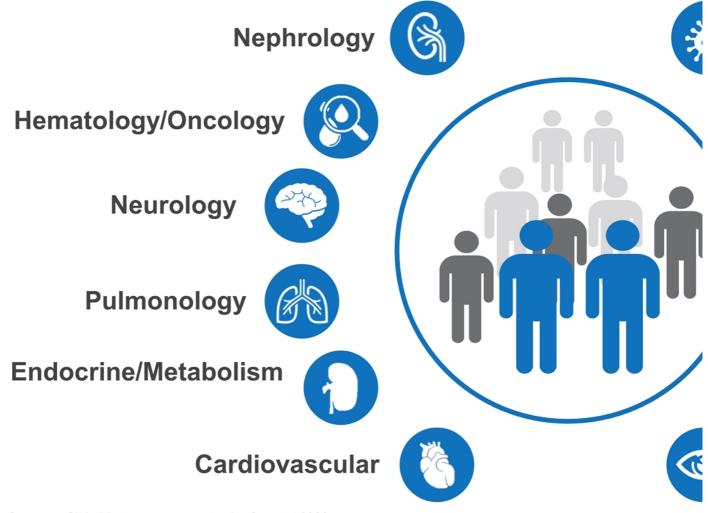


Complement is a perfect fit to develop pro The complement pathway is driven by a protease ca



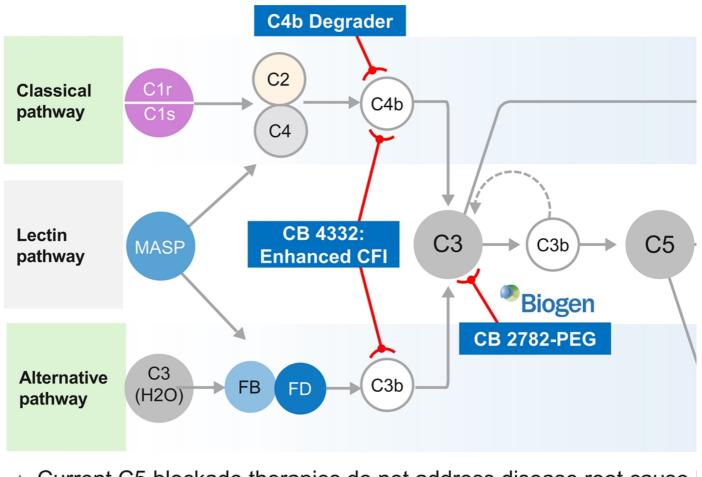
Reference: Figure adapted from Mastellos *et al.*, Clinical promise of next-generation complement therapeutics. Nat © Catalyst Biosciences

Complement plays a critical role in many (Late-stage complement therapies projected to achie



References: Globaldata consensus net sales forecast 2020 © Catalyst Biosciences

CBIO is taking a targeted approach to con Engineered proteases address the root cause of the

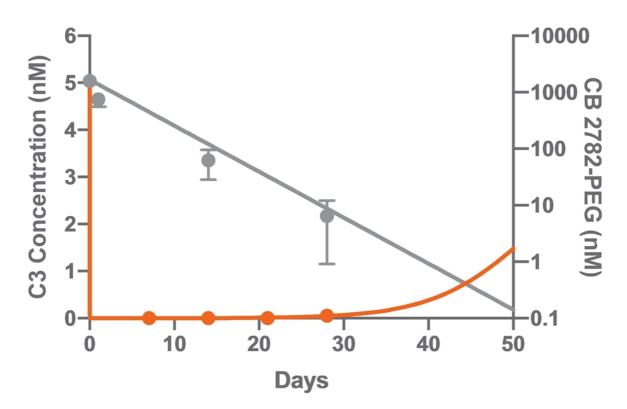


+ Current C5 blockade therapies do not address disease root cause

+ The catalytic power of proteases provides advantages over small n

Protease advantage demonstrated *in vivo* CB 2782-PEG – designed as a best-in-class C3 degr

CB 2782-PEG degrades C3 levels in the eye for at least 28 days in a non-human primate model



CB 2782-PEG long acting anti-C3 protease

Geographic atrophy in dry AMD can result in blindness

- + Advanced stage of dry age-related macular degeneration (dAMD)
- + dAMD affects ~1M people in the US & >5M WW, no currently approved th
- + Global market ~ >\$5B
- + C3 is a clinically validated target (randomized P2) for the treatment of dAN

Best-in-class C3 degrader for dry AMD

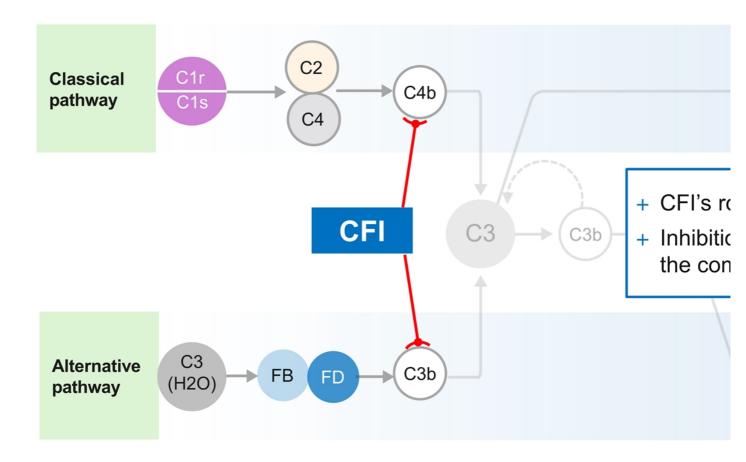
- + Generated from Catalyst's proprietary protease engineering platform
- + Potent, selective & long acting, degrades C3 into inactive fragments
- + Preclinical NHP PK & PD data* predict best-in-class human intravitreal d

Biogen collaboration

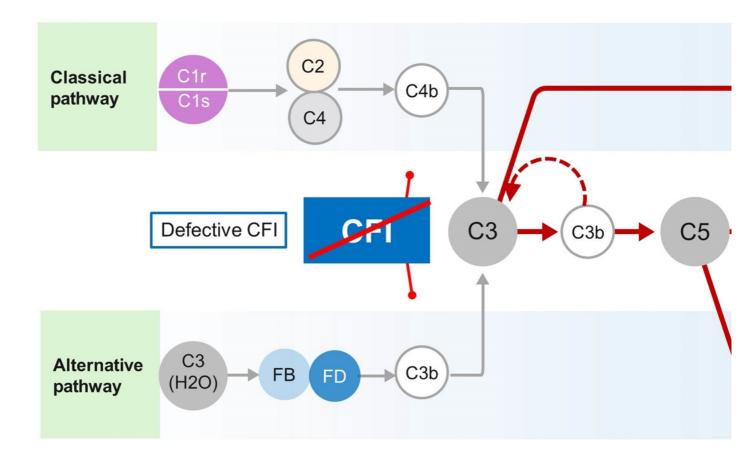
- + \$15M upfront, up to \$340M in milestones and tiered royalties up to low dou
- + Catalyst: fully funded pre-clinical and manufacturing activities
- + Biogen: IND-enabling activities, WW clinical development & commercializa

*Furfine *et al.* ARVO 2019 © Catalyst Biosciences

Normal CFI: Key central regulator of comp





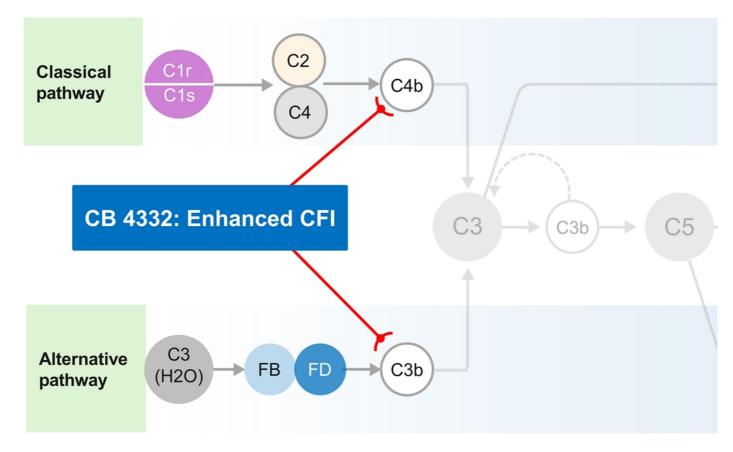


+ In patients with CFI mutations, C4b and C3b cannot be sufficiently

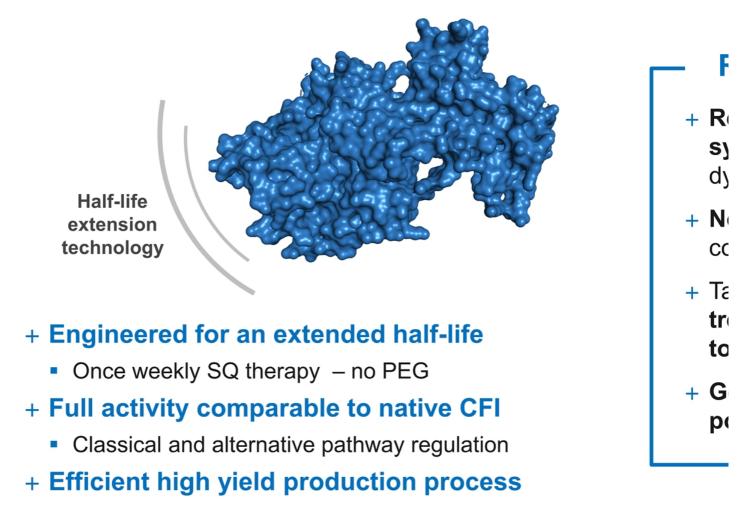
+ Dysregulation leads to overactivation of the complement pathway a

CB 4332 – CBIO's enhanced CFI

Specifically addresses the problem by restoring CF

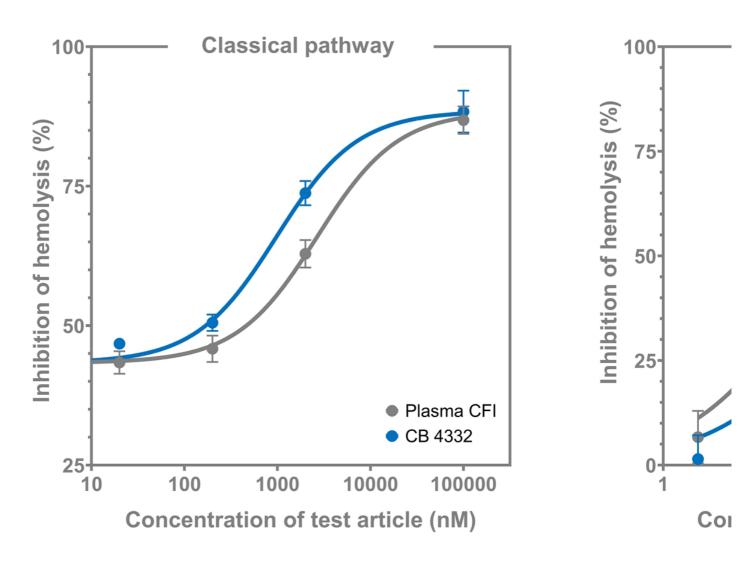


CB 4332: Enhanced Complement Factor I CBIO's next SQ development candidate to restore C

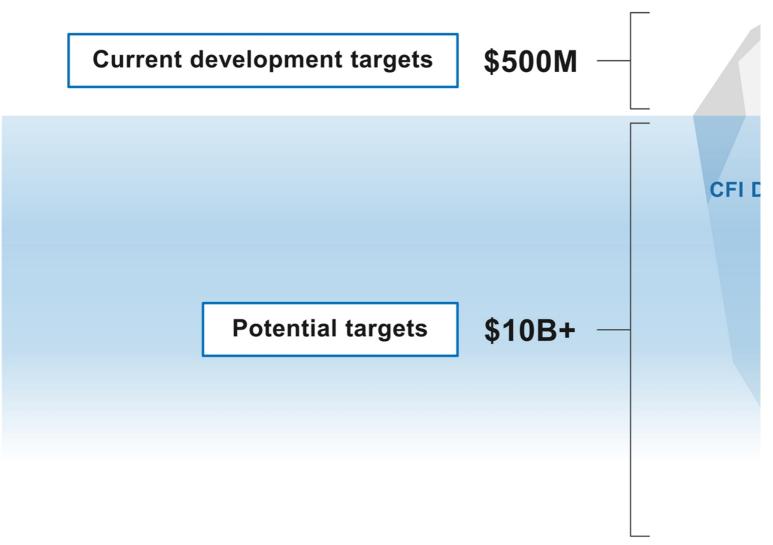


References: ¹Bienaime *et al*. Kidney Int. 2010; ²Ferreira *et al*. Nefrologia. 2016; Note: CFH = Complement factor H; Structura © Catalyst Biosciences

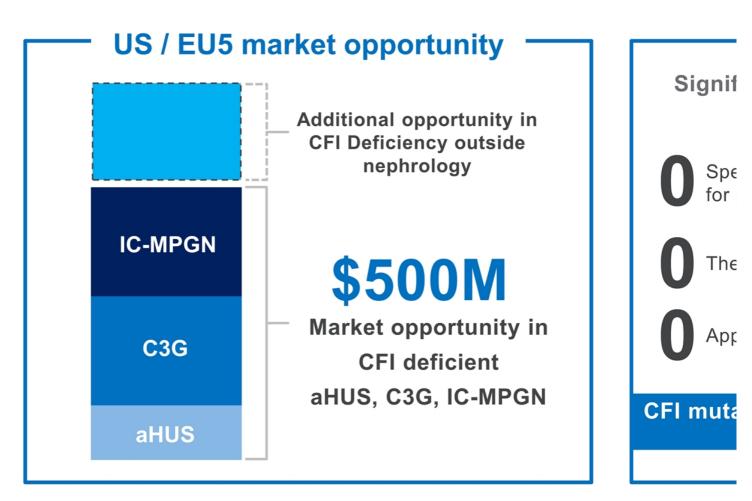
CB 4332 & plasma CFI perform similarly ir



Diseases with CFI mutations have tremen



CB 4332 initial market opportunity



Note: aHUS = atypical Hemolytic Uremic Syndrome, C3G = Complement 3 Glomerulopathy, IC-MPGN = Immune-Complex M Factor I Deficiency

References: Bresin *et al.* JASN. 2013; Fremeaux-Bacchi *et al.* ASN. 2013; Rui-Ru *et al.* Jour Rare Dis Res. 2018; Servais *et al.* Kidney Int. 2014; Alba-Domiguez *et al.* J rare Dis. 2012. El Sissy *et al.* Front. Immunol. 2019; Shields *et al.* Front Immunol. Clin Epi 2020; Smith *et al.* Nature Reviews. 2019; Noris *et al.* Clin J Am Soc Nephrol. 2010; CBIO KOL interviews

CB 4332 – CFI dysregulation observationa Identify CFI deficient patients for further CB 4332 cl

Screening Total ≥ 24 Subjects (male/female) ≥ 12 years of age

Study / Observational Period (6 m)

Cohort 1: aHUS

Cohort 2: C3G / IC-MPGN

Follow-up

End of Study

Planned Phase 1/2 Study

Objectives

- Primary O
 Demonstrat phenotypic
 C3G, IC-MF subjects for
- Secondary Monitor effic Monitor safe Record dos Monitor Qol

Timeline

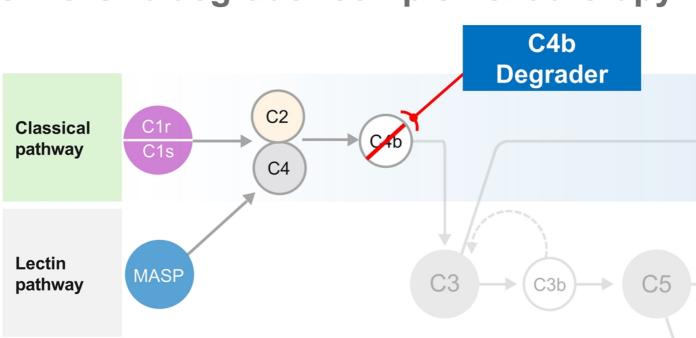
Observatior

Global phas

expected in

Intend to pu

Note: aHUS = atypical Hemolytic Uremic Syndrome, C3G = Complement 3 G = Immune-Complex Membranoproliferative Glomerulonephritis

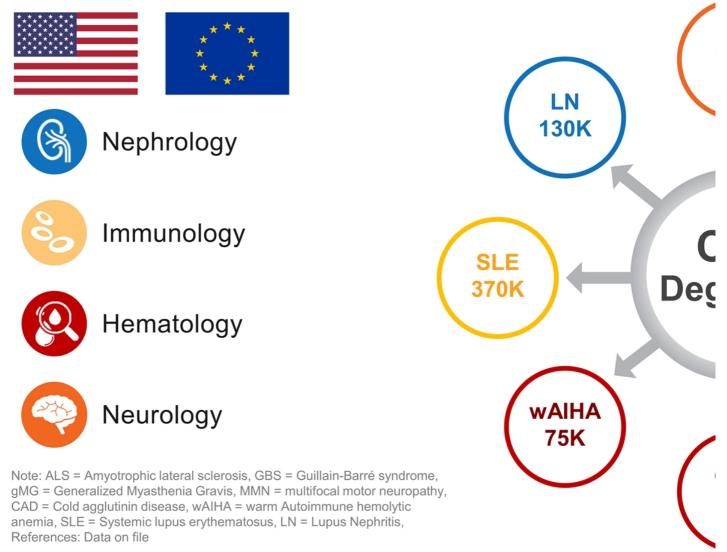


CBIO C4b degrader complement therapy

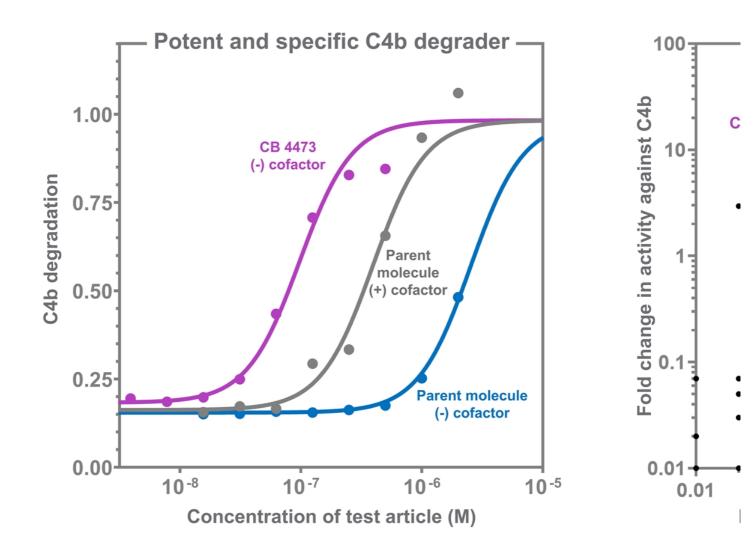
Selective & potent

- + Catalyst's protease platform allows for tuning specificity to individual targets
- + Leverages CB 4332 protease scaffold & efficient high yield prc
- + No competitors specifically targeting C4b or planning a weekly
 - Approaches targeting C1q and C1s with antibodies require substantial &

C4b degraders target multiple high unmet US & EU5 patient opportunity



CB 4473 demonstrates engineered C4b pc



Milestones



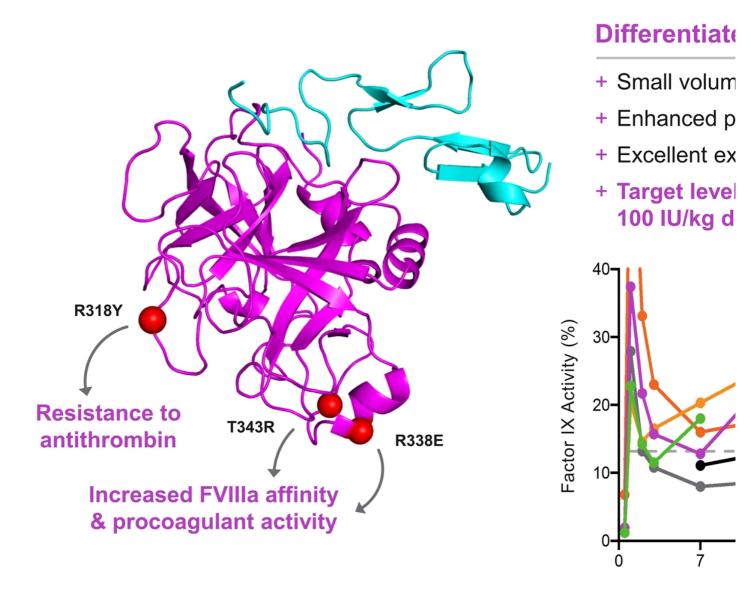


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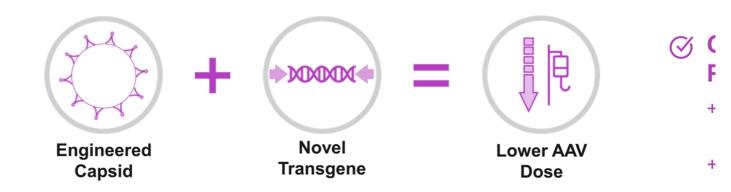
THANK YOU

Nasdaq: CBIO CatalystBiosciences.com

DalcA P2b demonstrated efficacy & safety



Catalyst's CB 2679d gene therapy for hem



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FIX Transgene	AAV Capsid	Study Dose (vg/kg)	FIX Activity (U/mL)
CB 2679d-GT	Novel Chimeric	8.0x10 ¹⁰	20
Padua	TAK-748 [*]	7.4x10 ¹¹	20
Padua	TAK-748 [*]	7.4x10 ¹⁰	1

*Weiller et al. (2019) Blood Vol. 134, Supplement S1 P4633

