
**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**

**December 14, 2021
Date of Report (Date of earliest event reported)**

CABALETTA BIO, INC.
(Exact name of Registrant as Specified in its Charter)

Delaware
(State or other jurisdiction
of incorporation)

001-39103
(Commission
File Number)

82-1685768
(I.R.S. Employer
Identification No.)

**2929 Arch Street, Suite 600,
Philadelphia, PA**
(Address of principal executive offices)

19104
(Zip Code)

(267) 759-3100
(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:

- 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:

Title of Each Class	Trading Symbol(s)	Name of Each Exchange on Which Registered
Common Stock, par value \$0.00001 per share	CABA	The Nasdaq Global Select Market

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

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.

Item 7.01 Regulation FD Disclosure.

On December 14, 2021, Cabaletta Bio, Inc. (the “Company”) posted to the “Investors & Media” section of the Company’s website at www.cabalettabio.com an updated corporate presentation providing a corporate overview and updated development plan (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 Item 7.01 of this Current Report on Form 8-K, including Exhibit 99.1 attached hereto, 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 8.01 Other Events.

On December 14, 2021, the Company issued a press release announcing top-line biologic activity data from the two lowest dose cohorts in its ongoing DesCAARTes™ Phase 1 clinical trial of DSG3-CAART for the treatment of patients with mucosal pemphigus vulgaris. A copy of the full text of the press release referenced above is filed as Exhibit 99.2 to this Current Report on Form 8-K and is incorporated herein by reference into this Item 8.01 of this Current Report on Form 8-K.

Item 9.01. Financial Statements and Exhibits.**(d) Exhibits**

- 99.1 [Cabaletta Bio, Inc. Corporate Presentation, dated December 14, 2021, furnished herewith.](#)
- 99.2 [Press Release issued by the registrant on December 14, 2021.](#)
- 104 Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURE

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.

CABALETTA BIO, INC.

Date: December 14, 2021

By: /s/ Steven Nichtberger
Steven Nichtberger, M.D.
President and Chief Executive Officer

Cabaletta Bio[®]

Corporate Presentation

DECEMBER 2021

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Disclaimer

The following presentation, including any printed or electronic copy of these slides, the talks given by the presenters, the information communicated during any delivery of the presentation and any question and answer session and any document or material distributed at or in connection with the presentation (collectively, the "Presentation") has been prepared by Cabaletta Bio, Inc. ("we," "us," "our," "Cabaletta" or the "Company") and is made for informational purposes only. This Presentation does not purport to be a prospectus, to be complete or to contain all of the information you may desire. Statements contained herein are made as of the date of this Presentation unless stated otherwise, and this Presentation shall not under any circumstances create an implication that the information contained herein is correct as of any time after such date or that information will be updated or revised to reflect information that subsequently becomes available or changes occurring after the date hereof. This Presentation may contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 relating to our business, operations, and financial conditions, and include, but are not limited to, express or implied statements regarding our current beliefs, expectations and assumptions regarding: our business, future plans and strategies for our CAR T technology and CABA platform; the progress and results of our DesCAARTes™ Phase 1 trial, including our ability to enroll the requisite number of patients, dose each dosing cohort in the intended manner, and progress the trial; the expected announcement of additional biologic activity data for the third dose cohort in the first quarter of 2022 as well as 28-day safety data for the fourth dose cohort in the first quarter of 2022; the therapeutic potential and clinical benefits of our product candidates; our ability to successfully complete our preclinical and clinical studies for our product candidates, including our ongoing Phase 1 DesCAARTes™ trial, MuSK-CAART study and other discovery programs; our ability to obtain and maintain regulatory approval of our product candidates, including our planned IND submission for our MuSK-CAART program; our plans to conduct a pre-IND meeting with the FDA for PLA2R-CAART in the fourth quarter of 2021; the further expansion and development of our modular CABA platform across a range of autoimmune diseases; our ability to contract with third-party suppliers and manufacturers, implement an enhanced manufacturing process and further develop our internal manufacturing strategy, capabilities and facilities; our potential commercial opportunities, including value and addressable market, for our product candidates; our expectations regarding our use of capital and other financial results during 2021; and our ability to fund operations through at least the first quarter of 2023. Words such as, but not limited to, "look forward to," "believe," "expect," "anticipate," "estimate," "intend," "plan," "would," "should" and "could," and similar expressions or words, identify forward-looking statements.

Various risks, uncertainties and assumptions could cause actual results to differ materially from those anticipated or implied in our forward-looking statements. Such risks and uncertainties include, but are not limited to, risks related to the success, cost, and timing of our product candidate development activities and preclinical studies and clinical trials, risks related to our ability to demonstrate sufficient evidence of safety, efficacy and tolerability in our preclinical and clinical trials of DSG3-CAART, risks related to clinical trial site activation or enrollment rates that are lower than expected, our ability to protect and maintain our intellectual property position, risks related to our relationship with third parties, uncertainties related to regulatory agencies' evaluation of regulatory filings and other information related to our product candidates, the risk that any one or more of our product candidates will not be successfully developed and commercialized, the risk that the results of preclinical studies or clinical studies will not be predictive of future results in connection with future studies, the impact of COVID-19 on the timing, progress, interpretability of data, and results of ongoing or planned clinical trials and risks relating to as a result of extraordinary events or circumstances such as the COVID-19 pandemic, and any business interruptions to our operations or to those of our clinical sites, manufacturers, suppliers, or other vendors resulting from the COVID-19 pandemic or similar public health crisis. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise. Although we believe the expectations reflected in such forward-looking statements are reasonable, we can give no assurance that such expectations will prove to be correct. Accordingly, you are cautioned not to place undue reliance on these forward-looking statements. No representations or warranties (expressed or implied) are made about the accuracy of any such forward-looking statements. For a discussion of these and other risks and uncertainties, and other important factors, any of which could cause our actual results to differ materially from those contained in the forward-looking statements, see the section entitled "Risk Factors" in our most recent annual report on Form 10-K, as well as discussions of potential risks, uncertainties, and other important factors in our other filings with the Securities and Exchange Commission. Certain information contained in this Presentation relates to or is based on studies, publications, surveys and other data obtained from third-party sources and the Company's own internal estimates and research. While the Company believes these third-party sources to be reliable as of the date of this Presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. The Company is the owner of various trademarks, trade names and service marks. Certain other trademarks, trade names and service marks appearing in this Presentation are the property of third parties. Solely for convenience, the trademarks and trade names in this Presentation are referred to without the ® and TM symbols, but such references should not be construed as any indicator that their respective owners will not assert, to the fullest extent under applicable law, their rights thereto.

Develop and launch the first curative
targeted cellular therapies for patients
with autoimmune diseases

Cabaletta Bio[®]

Cabaletta overview

- **Developing highly specific CAAR T products to treat B cell-mediated autoimmune diseases**
 - Where there is a biologically clear opportunity for deep and durable, perhaps curative, responses
 - Leveraging a clinically validated CAR T product design and manufacturing process through Penn alliance
- **DesCAARTes™ trial dosing patients with mucosal pemphigus vulgaris (mPV) at 2.5B cell dose**
 - No DLTs or clinically relevant AEs observed to date¹ following completion of first 3 dose cohorts (20M, 100M & 500M cells)
 - Without lymphodepletion but in the presence of circulating anti-DSG3 antibodies
 - No clear indications of biologic activity from low dose cohorts (at 1/125th and 1/25th of current 2.5B cohort) within 3-6 months post infusion
 - 20M dose cohort² – 2 patients worsening and 1 patient improving³, possibly due to prior systemic therapy +/- impact of DSG3-CAART
 - 100M dose cohort² – 1 patient stable, 1 patient stable then increasing disease activity, 1 patient worsening
 - Dose dependent increase in DSG3-CAART persistence in 500M dose cohort relative to 1st 2 low dose cohorts throughout 28 days post infusion
 - Based on safety data observed to date¹ and FDA communications dating to 1H21, additional cohorts are planned to evaluate:
 - Increased doses, consolidated fractions, and subject to a protocol amendment, an enhanced manufacturing process
 - Cohort A5 (5.0B to 7.5B cells) expected to initiate⁴ without delay, following 28-day safety data in 2.5B cell cohort A4 in 1Q22²
- **Preclinical pipeline led by MuSK-CAART for myasthenia gravis – IND submission planned in 4Q21**
 - PLA2R-CAART pre-IND interaction with FDA anticipated in 4Q21 for PLA2R positive primary membranous nephropathy patients
 - Product portfolio⁵ currently targeting diseases that affect over 80,000 patients in the US
- **Cash runway through at least 1Q23 with \$119.3M in cash and investments as of September 30, 2021**

* 20M, 100M, 500M, 2.5B and 5.0B to 7.5B refers to the number of DSG3-CAART cells infused for patients in dosing cohorts 1 to 4 (M – millions; B – billions).

1. As of December 12, 2021.

2. Assessment of patient status to date based on evaluation of disease activity scores, DSG3 autoantibody levels and need for new systemic rescue therapy or change in prior mPV medications.

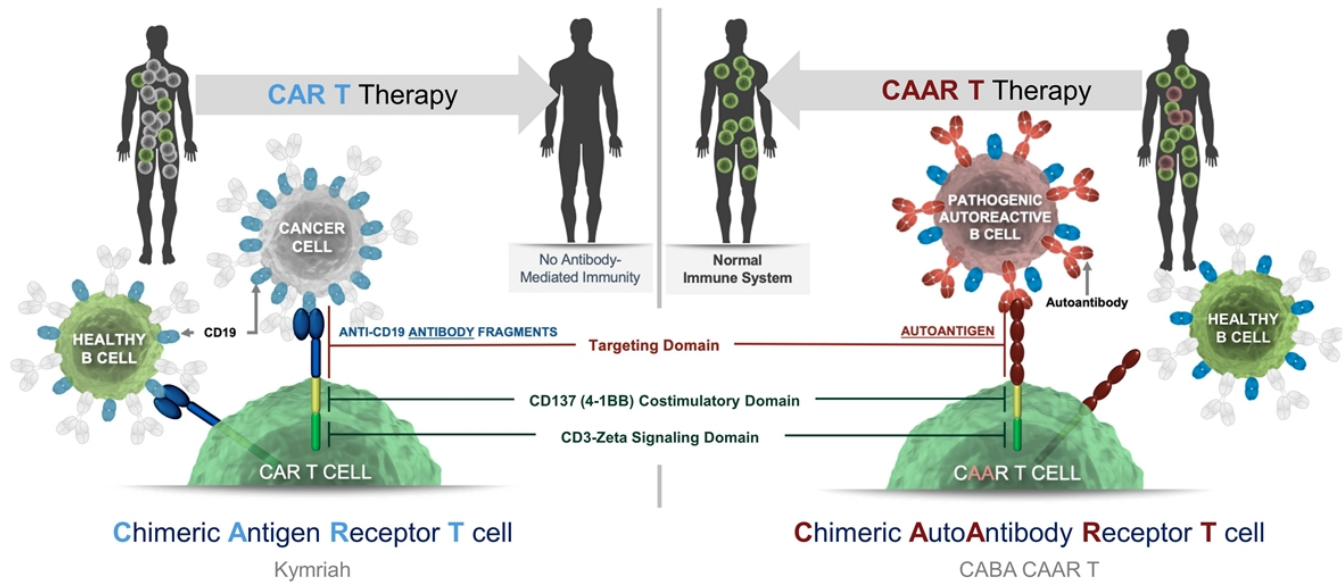
3. This patient received systemic therapies within 9 months of DSG3-CAART infusion, which may have impacted clinical scores and DSG3 levels, both of which improved between screening and infusion.

4. Assumes no dose-limiting toxicities are observed during cohort and uninterrupted enrollment occurs in the trial.

5. Includes five disclosed product candidates and two undisclosed pipeline disease targets in our pipeline.

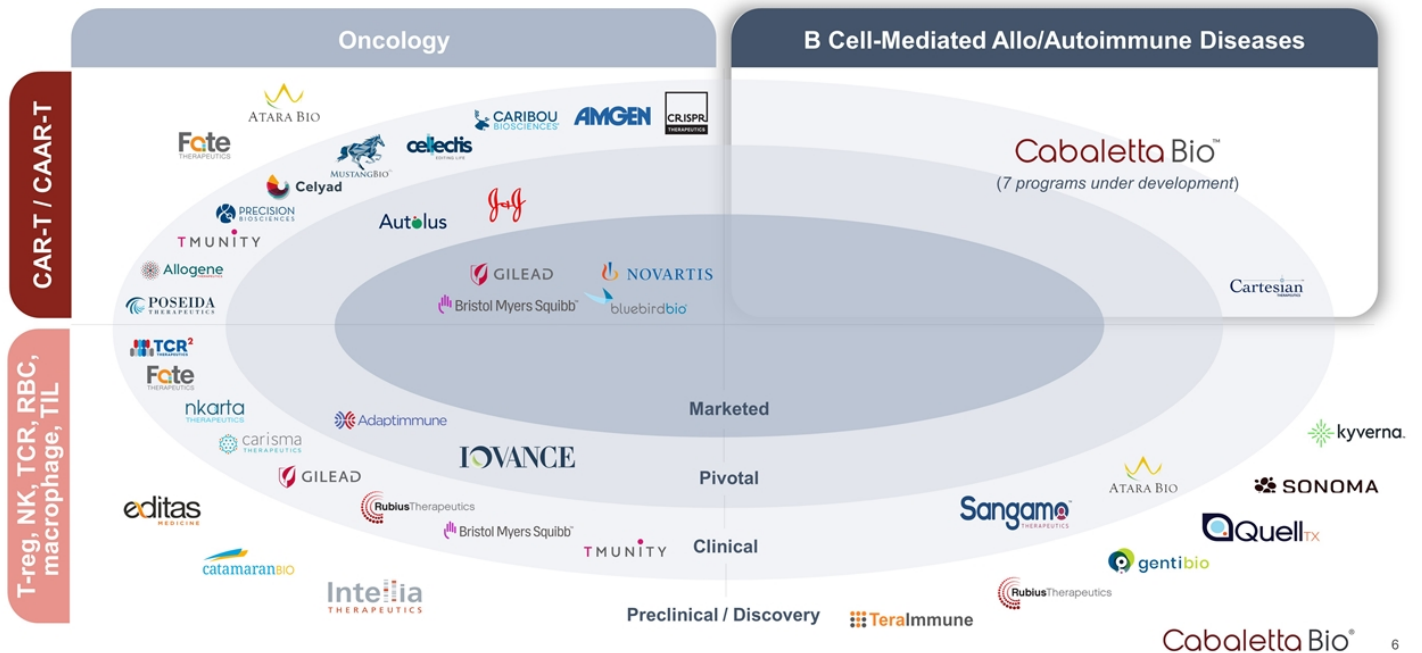
Our scientific platform leverages clinically validated CAR T technology

CAAR T product candidates are designed for selective and specific elimination of the pathogenic B cells



Cabaletta: Advancing targeted cell therapy to autoimmunity

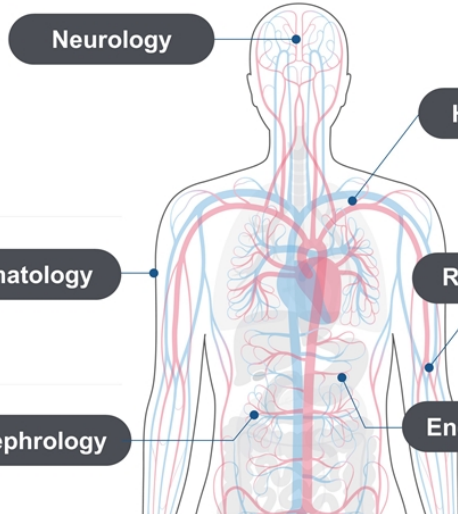
Foundational CAR T technology clinically validated in treating B cell-mediated cancers



CABA platform may apply across a range of autoimmune diseases

Biologic opportunity for cure or treatment may be possible in dozens of B-cell mediated autoimmune diseases*

- **Myasthenia Gravis****^{1,2,3,5}
- Neuromyelitis Optica³
- Chronic Inflammatory Demyelinating Polyneuropathy^{1,2}
- Anti-NMDAR Encephalitis³
- Lambert-Eaton Syndrome⁵



- Immune Thrombocytopenic Purpura³
- Thrombotic Thrombocytopenic Purpura^{1,2,3}
- Antiphospholipid Syndrome^{4,5}
- Autoimmune Hemolytic Anemia³

- **Pemphigus Vulgaris****^{1,2,3}
- Pemphigus Foliaceus^{1,2,3}
- Epidermolysis Bullosa Acquisita³
- Bullous Pemphigoid^{1,2,3}

Dermatology

Rheumatology

- Rheumatoid Arthritis^{2,3,4}
- Systemic lupus erythematosus^{3,4,5}
- ANCA-Associated Vasculitis^{3,4,5}
- Myositis⁵

- Lupus Nephritis^{3,4}
- **Membranous Nephropathy****^{1,2,3}
- Goodpasture's Syndrome^{1,2,3,4}

Nephrology

Endocrinology

- Type 1 Diabetes³
- Graves' Disease^{3,5}
- Hashimoto's Disease⁵

* Illustrative list of diseases where biologic opportunity for cure or treatment may be possible.

**Diseases in red represent current, disclosed targets of our CABA platform™

1. Konecny, Inga. "Update on IgG4-mediated autoimmune diseases: new insights and new family members." *Autoimmunity Reviews* (2020): 102646.

2. Huijbers, Maartje G., et al. "IgG4-mediated autoimmune diseases: a niche of antibody-mediated disorders." *Annals of the New York Academy of Sciences* 1413.1 (2018): 92.

3. Ludwig, Ralf J., et al. "Mechanisms of autoantibody-induced pathology." *Frontiers in immunology* 8 (2017): 603.

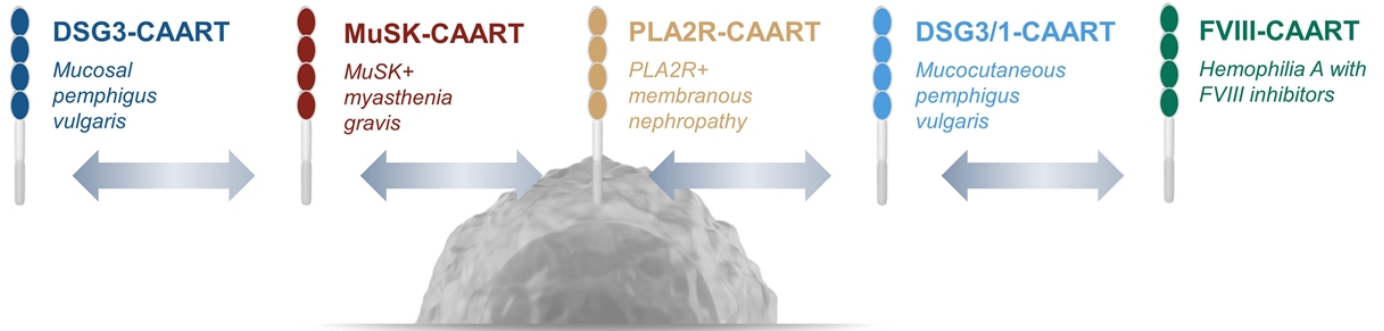
4. Suurmond, Jolien, and Betty Diamond. "Autoantibodies in systemic autoimmune diseases: specificity and pathogenicity." *The Journal of clinical investigation* 125.6 (2015): 2194-2202.

5. Xiao, Ze Xiu, Joseph S. Miller, and Song Guo Zheng. "An updated advance of autoantibodies in autoimmune diseases." *Autoimmunity Reviews* (2020): 102743.

Modular platform with “plug-and-play” architecture

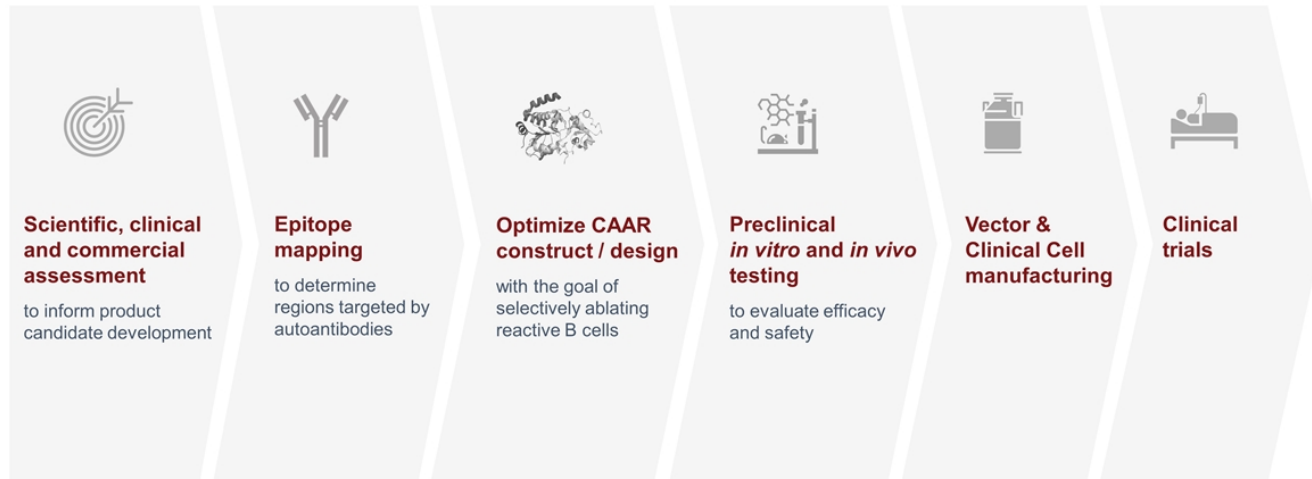
Technology foundation designed to enable a portfolio of programs targeting B cell-mediated diseases

Swapping the extracellular domain, or autoantigen, creates **new product candidates**



Clinically validated engineered T cell platform is the foundational technology

CABA (Cabaletta Approach for Selective B cell Ablation) platform



Pipeline¹ includes multiple disease targets where cure is possible

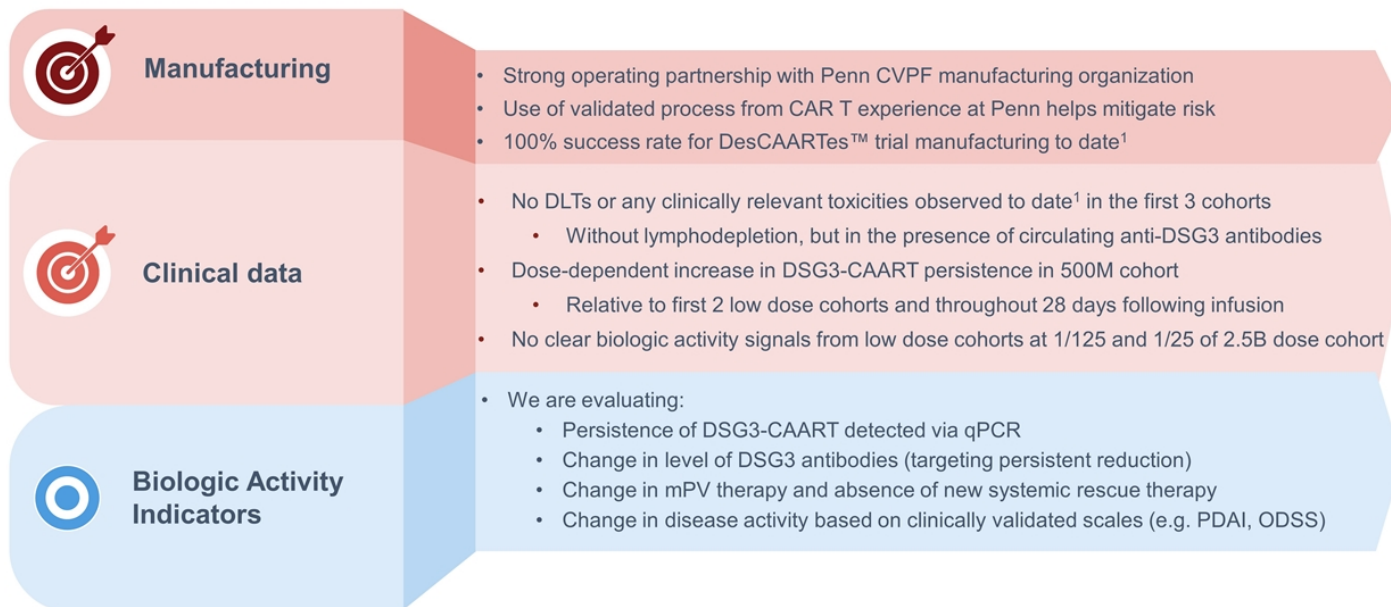
Therapeutic Area	Indication	Program	Discovery ²	Preclinical	Phase 1	Phase 2/3
Dermatology	Mucosal Pemphigus Vulgaris	DSG3-CAART				
	Mucocutaneous Pemphigus Vulgaris	DSG3/1-CAART				
Neurology	MuSK Myasthenia Gravis	MuSK-CAART				
Nephrology	PLA2R Membranous Nephropathy	PLA2R-CAART				
Hematology	Hemophilia A w/ FVIII Alloantibodies	FVIII-CAART				

Current pipeline includes 7 programs targeting diseases affecting >80,000 patients in the US

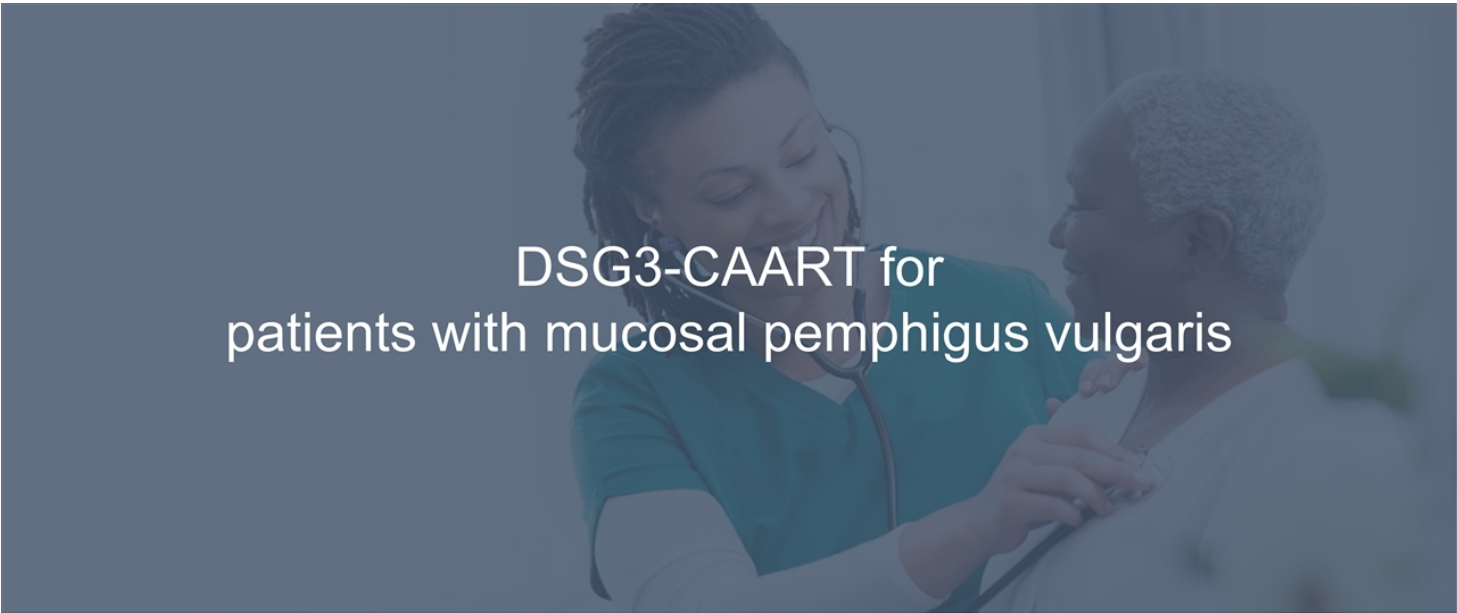
1. Two additional undisclosed disease targets added to our pipeline portfolio through expansion of our Sponsored Research Agreement with the University of Pennsylvania are not shown.

2. In our discovery stage, we perform epitope mapping and optimize CAAR construct and design.

Data from the DesCAARTes™ trial provides read-through to pipeline



1. As of December 12, 2021



DSG3-CAART for
patients with mucosal pemphigus vulgaris

Cabaletta Bio[®]

PV is an optimal lead indication for CAAR T therapy

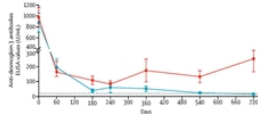
DSG3 antibodies are widely considered to be necessary and sufficient to cause PV¹

1



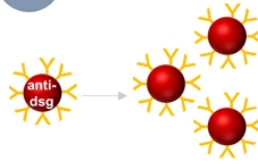
Serum anti-DSG3 antibodies are **98 - 100% sensitive and specific**²

2



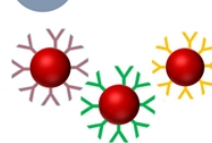
Depletion of B cells by rituximab³ or antibody by plasmapheresis **transiently improves clinical disease**

3



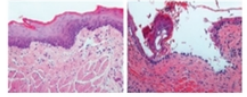
Incomplete B cell depletion by rituximab leads to PV recurrences, with **identical disease-causing B cell clones**^{4,5}

4



The B cell repertoire and **antigenic epitopes** on DSG1/3 are **well understood**⁶, and formed the basis for DSG3 and DSG1 CAAR designs

5



The DSG3 CAAR has **published animal model proof-of-concept validation**⁷

1. Spindler, Volker, et al. "Mechanisms causing loss of keratinocyte cohesion in pemphigus." *Journal of Investigative Dermatology* 138.1 (2018): 32-37.

2. Schmidt, Enno, et al. "Novel ELISA systems for antibodies to desmoglein 1 and 3." *Experimental dermatology* 19.5 (2010): 458-463.

3. Joly, Pascal, et al. "First-line rituximab combined with short-term prednisone versus prednisone alone for the treatment of pemphigus (Ritux 3): a prospective, multicentre, parallel-group, open-label randomised trial." *The Lancet* 389.10083 (2017): 2031-2040.

4. Mouquet, Hugo, et al. "B-cell depletion immunotherapy in pemphigus: effects on cellular and humoral immune responses." *Journal of Investigative Dermatology* 128.12 (2008): 2859-2869.

5. Hammers, Christoph M., et al. "Persistence of anti-desmoglein 3 IgG+ B-cell clones in pemphigus patients over years." *Journal of Investigative Dermatology* 135.3 (2015): 742-749.

6. Ohyama, Bungo, et al. "Epitope spreading is rarely found in pemphigus vulgaris by large-scale longitudinal study using desmoglein 2-based swapped molecules." *Journal of investigative dermatology* 132.4 (2012): 1158-1168.

7. Ellebrecht, Christoph T., et al. "Reengineering chimeric antigen receptor T cells for targeted therapy of autoimmune disease." *Science* 353.6295 (2016): 179-184.

Overview of Pemphigus Vulgaris

Current treatments require broad immunosuppression associated with safety risks and transient efficacy

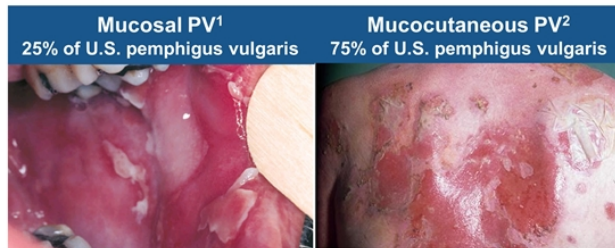
Current Treatment Landscape

Broad immunosuppression^{3,6}

- Modestly effective
- Poorly tolerated

Rituximab plus steroids (~3,500 mg/yr)⁴

- Response: ~40% of patients achieved a 16-week period with no lesions or medicines during 1 yr^{4,5}
- 22% annual serious adverse event (SAE) rate⁴
 - 4-9%^{3,4,5} annual risk of severe infection in PV
- Real world data indicate:
 - *Transient* remission ~ 70% CROT⁶:
 - ~30% relapse in 1 year⁶
 - >50% relapse within 2 years⁶
 - ~30% never achieve CROT⁶
 - ~1.9% lifetime risk of fatal infection⁷



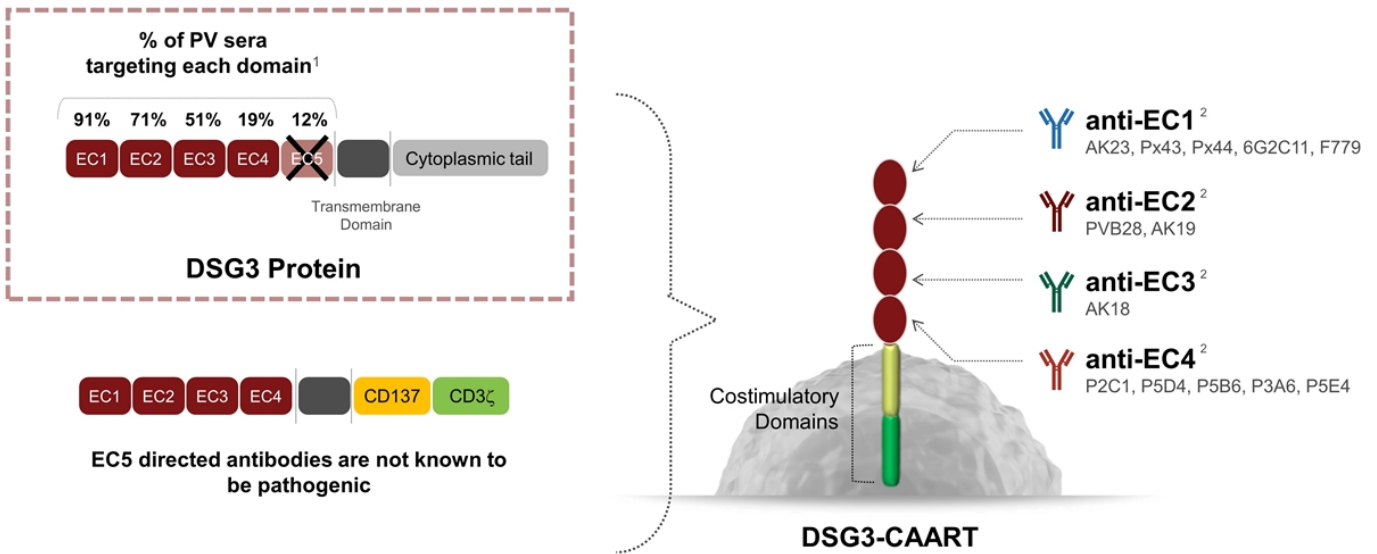
	Mucosal PV ¹ 25% of U.S. pemphigus vulgaris	Mucocutaneous PV ² 75% of U.S. pemphigus vulgaris
Associated Antibody	Anti-DSG3	Anti-DSG3 + Anti-DSG1
Clinical Signs	Painful blisters of the mucous membranes (mouth, nose, larynx, esophagus, eyes, genitalia, rectum)	Blisters on orifices and skin
US Disease Prevalence	3,250 to 4,750	9,750 to 14,250

CROT = 8+ weeks without lesions while off systemic therapy

1. Image credit: D@nderm.
 2. <http://www.vgrd.org/archive/cases/2004/pv/DSCN4996%20copy.JPG>
 3. Joly, Pascal, et al. "First-line rituximab combined with short-term prednisone versus prednisone alone for the treatment of pemphigus (Ritux 3): a prospective, multicentre, parallel-group, open-label randomised trial." *The Lancet* 389.10083 (2017): 2031-2040.
 4. Werth, Victoria P., et al. "Rituximab versus Mycophenolate Mofetil in Patients with Pemphigus Vulgaris." *New England Journal of Medicine* (2021).
 5. Rituximab label, 08/2020 revision.
 6. Kushner, Carolyn J., et al. "Factors Associated With Complete Remission After Rituximab Therapy for Pemphigus." *JAMA dermatology* (2019).
 7. Tony, Hans-Peter, et al. "Safety and clinical outcomes of rituximab therapy in patients with different autoimmune diseases: experience from a national registry (GRAID)." *Arthritis research & therapy* 13.3 (2011): 1-14.

DSG3-CAART is designed to bind all known pathogenic autoantibodies

Inclusion of all disease-relevant epitopes enables a 'one-size-fits-all' approach for patients with mPV



1. Ohyama, Bungo, et al. "Epitope spreading is rarely found in pemphigus vulgaris by large-scale longitudinal study using desmoglein 2-based swapped molecules." *Journal of investigative dermatology* 132.4 (2012): 1158-1168.

2. Antibodies that target the specific extracellular domain are shown below each extracellular domain.

DSG3-CAART preclinical data^{1,2}

No evidence of toxicity at clinically relevant doses with selective and specific target engagement

	INDICATOR	RESULTS
Tolerability	<i>In vitro</i> off-target toxicity	No specific cytotoxicity at clinically relevant cell numbers vs Fc γ R-expressing cells No confirmed interactions with human membrane proteins
	<i>In vivo</i> off-target toxicity	No off-target effects detected at clinically relevant doses
Target Engagement	Anti-DSG3 autoantibody titer	Serologic 'remission' – dose-dependent elimination of anti-DSG3 B cells and antibodies
	CAAR T cell engraftment	Dose-dependent increase in CAAR-positive cells observed via flow cytometry
	Tissue blistering	Histologic 'remission' – no blistering of oral mucosa
	Anti-DSG3 hybridoma outgrowth	Significantly delayed outgrowth despite soluble anti-DSG antibodies

1. Ellebrecht, Christoph T., et al. "Reengineering chimeric antigen receptor T cells for targeted therapy of autoimmune disease." *Science* 353.6295 (2016): 179-184.
 2. Lee, Jinmin, et al. "Antigen-specific B-cell depletion for precision therapy of mucosal pemphigus vulgaris." *The Journal of Clinical Investigation* (2020).

DesCAARTes™

Phase 1 clinical trial in patients with mPV

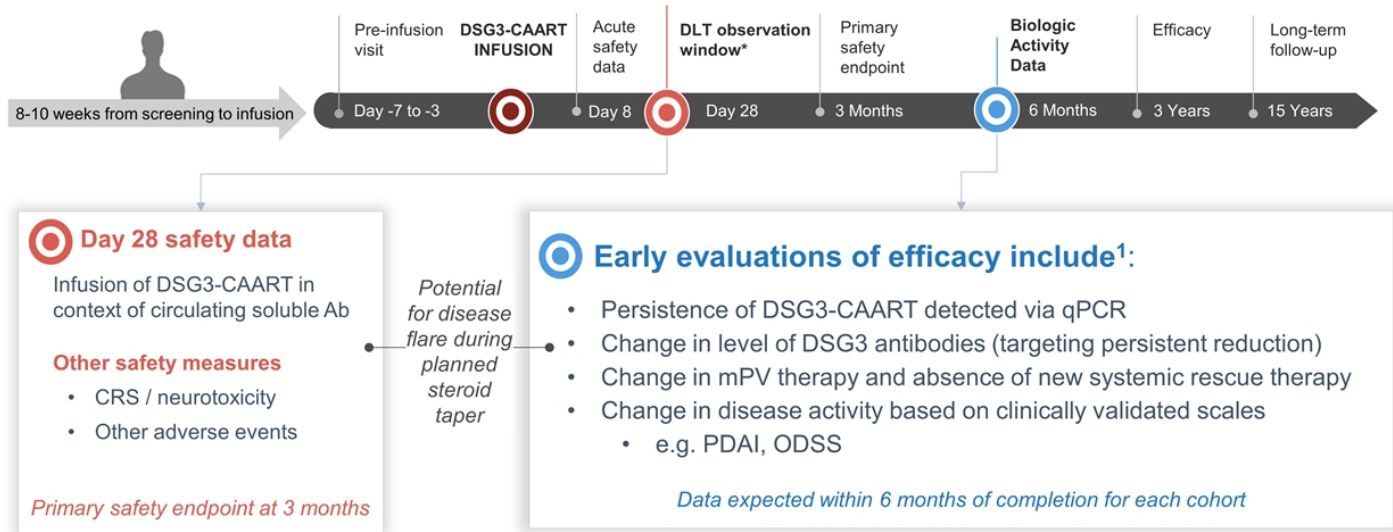
Open-label study to determine the maximum tolerated dose & fractionation of DSG3-CAART

Major Inclusion Criteria	SCREENING	MANUFACTURING	TREATMENT (~1 WEEK)	MONITORING (2-4 WEEKS)	Next Patient ↻															
<ul style="list-style-type: none"> Age: ≥18 Inadequately managed by standard immunosuppressive therapies Confirmed diagnosis Active disease Anti-DSG3 antibody positive 	<table border="1"> <thead> <tr> <th>Part</th> <th>Cohort</th> <th># Subjects</th> </tr> </thead> <tbody> <tr> <td>A – Dose Escalation Fractionated infusion at increasing dose levels</td> <td>A1-A5</td> <td>3 (+3) per cohort</td> </tr> <tr> <td>B – Dose Consolidation Consolidating selected dose fractions into a single infusion</td> <td>B1-B2</td> <td>3 (+3) per cohort</td> </tr> <tr> <td>C – Expansion¹ Expanded subject enrollment at final selected dose</td> <td>C</td> <td>~12</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>~33 (+18)</td> </tr> </tbody> </table>			Part	Cohort	# Subjects	A – Dose Escalation Fractionated infusion at increasing dose levels	A1-A5	3 (+3) per cohort	B – Dose Consolidation Consolidating selected dose fractions into a single infusion	B1-B2	3 (+3) per cohort	C – Expansion¹ Expanded subject enrollment at final selected dose	C	~12	Total		~33 (+18)		
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Major Exclusion Criteria <ul style="list-style-type: none"> Rituximab recently administered Prednisone > 0.25mg/kg/day Other autoimmune disorder requiring immunosuppressive therapies Recent investigational treatment ALC < 1,000 at screening 	<table border="1"> <thead> <tr> <th colspan="2">Study Endpoint & Objectives</th> </tr> </thead> <tbody> <tr> <td colspan="2"> Primary Endpoint: Adverse Events, including Dose Limiting Toxicity (DLT) <ul style="list-style-type: none"> DLTs include any grade 3 or 4 CRS or neurotoxicity, or any grade 2 CRS or neurotoxicity that failed to improve to ≤ Grade 1 or baseline within 7 days </td> </tr> <tr> <td colspan="2"> Secondary Objectives: DSG3 ELISA level changes, CAAR T expansion/persistence, change in PDAI, change in ODSS, use of systemic medications, rate of/time to/duration of remission, manufacturing success rate </td> </tr> </tbody> </table>					Study Endpoint & Objectives		Primary Endpoint: Adverse Events, including Dose Limiting Toxicity (DLT) <ul style="list-style-type: none"> DLTs include any grade 3 or 4 CRS or neurotoxicity, or any grade 2 CRS or neurotoxicity that failed to improve to ≤ Grade 1 or baseline within 7 days 		Secondary Objectives: DSG3 ELISA level changes, CAAR T expansion/persistence, change in PDAI, change in ODSS, use of systemic medications, rate of/time to/duration of remission, manufacturing success rate										
Study Endpoint & Objectives																				
Primary Endpoint: Adverse Events, including Dose Limiting Toxicity (DLT) <ul style="list-style-type: none"> DLTs include any grade 3 or 4 CRS or neurotoxicity, or any grade 2 CRS or neurotoxicity that failed to improve to ≤ Grade 1 or baseline within 7 days 																				
Secondary Objectives: DSG3 ELISA level changes, CAAR T expansion/persistence, change in PDAI, change in ODSS, use of systemic medications, rate of/time to/duration of remission, manufacturing success rate																				

1. FDA has requested, and the Company has agreed, that we will share data from part A to inform a discussion on the optimal design of part C. According to FDA advice, the submission of part A data is not gating to planned enrollment in part B.

DesCAARTes™ clinical trial assessments and timeframes

Safety assessed acutely, at 28 days and at 3 months, with data on biologic activity within 6 months



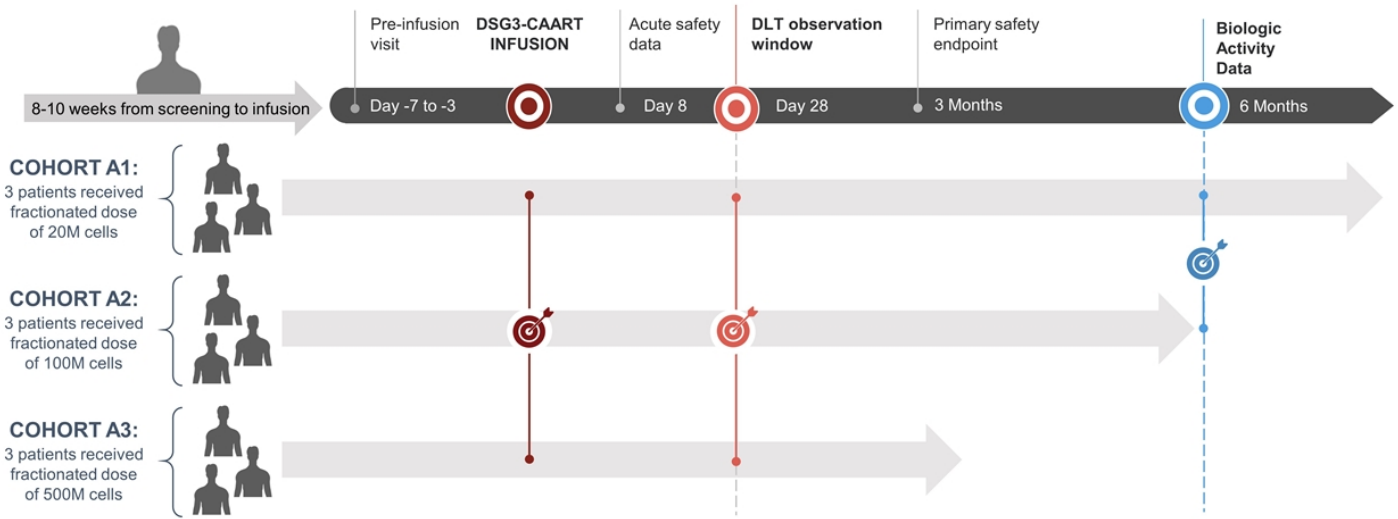
* Clearance of 28-day observation window without DLTs required to initiate next dosing cohort.

1. This information represents data that we believe can be used to inform potential efficacy endpoints in future clinical development.

2. Spindler, Volker, et al. "Mechanisms causing loss of keratinocyte cohesion in pemphigus." *Journal of Investigative Dermatology* 138.1 (2018): 32-37.

No DLTs observed to date in first 3 cohorts of DesCAARTes™ trial

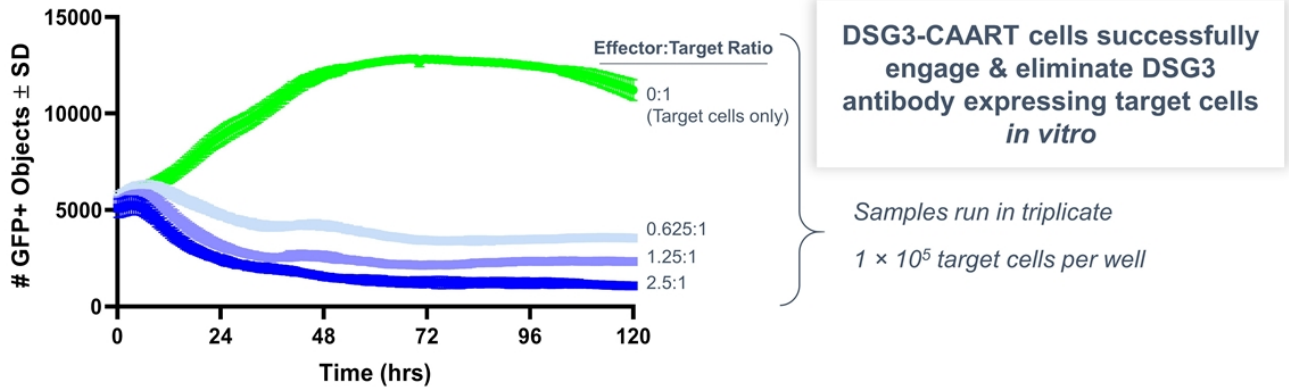
Dose-dependent increase in DSG3-CAART persistence observed in Cohort A3 vs. Cohorts A1 and A2



No clinically meaningful adverse events in any subject to date¹, enabling progression to cohort A4 with dose of 2.5B cells

1. As of December 12, 2021.

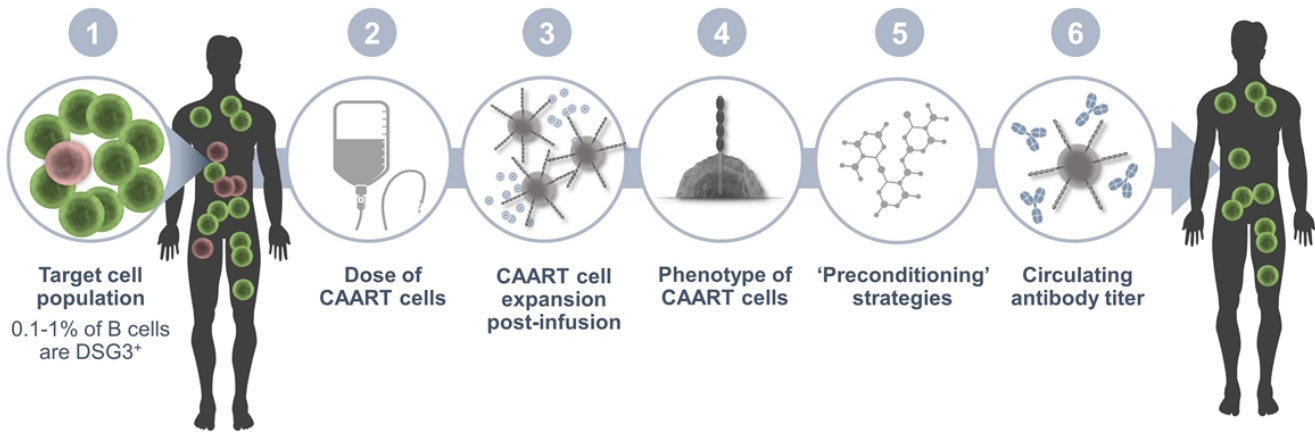
Manufactured DSG3-CAART cells exhibit target elimination *in vitro*






Manufacturing partnership with Penn is delivering necessary quality & capacity for the clinical trial requirements

Potential drivers of biologic activity in autoimmune disease

Range of strategies to consider for targeted cell therapy approaches in patients with autoimmune diseases



Many options exist to optimize product and patient profiles

-  CAART cell
-  Pathogenic autoreactive B cell
-  Healthy B cell

Continued momentum in DesCAARTes™ trial with three new sites

Rapid cadence of trial recruitment and investigator engagement has enabled clinical trial progress to date

Growing clinical site network with high investigator engagement



Expanding relationships with patient advocacy organizations



Opportunities to accelerate development




	Milestone	1Q 2021	2Q 2021	3Q 2021	4Q 2021	1Q 2022
DSG3-CAART: DesCAARTes™ Data	1 st cohort (20M) ¹	COMPLETED				
	2 nd cohort (100M) ¹					
	3 rd cohort (500M) ¹					
	4 th cohort (2.5B) ¹					
	5 th cohort (5.0B to 7.5B) ¹					

- 28-Day Safety
- Top-line Biologic Activity

Development & learnings from DesCAARTes™ trial to inform MuSK-CAART & future programs

1. Number of transduced cells.

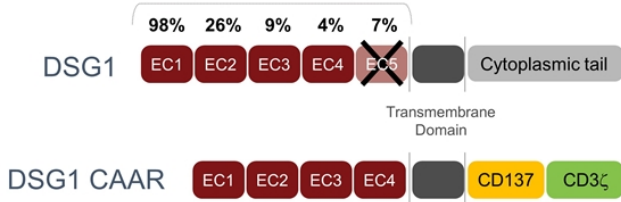
DSG3/1 CAART for mucocutaneous PV (mcPV)

Plan to advance program after review of DSG3-CAART safety and biologic activity data with FDA

DSG3/1 CAARs designed for mcPV

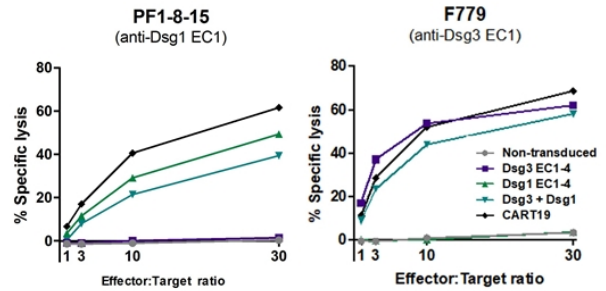
- DSG3 and DSG1 autoantibodies
- Most severe and common form of PV (~75%)
- Mucosal blistering, plus skin erosion and blistering
- Managed with immune suppression, similar to mPV
 - High risk of relapse
 - Potential for hospitalizations and fatal infections

% of PV sera targeting each domain¹




DSG1-CAART and DSG3-CAART both demonstrated specific cytotoxicity *in vitro*²

- Together, DSG1-CAART and DSG3-CAART demonstrated cytotoxicity towards anti-DSG3 and anti-DSG1 B cells



1. Ohyama, Bungo, et al. "Epitope spreading is rarely found in pemphigus vulgaris by large-scale longitudinal study using desmoglein 2-based swapped molecules." *Journal of investigative dermatology* 132.4 (2012): 1158-1168.
 2. As presented at the 2018 International Investigative Dermatology conference.

A photograph of a woman with dark hair, wearing a red t-shirt, smiling and looking towards another person whose back is partially visible on the right. The image is overlaid with a semi-transparent dark blue filter.

MuSK-CAART for
patients with MuSK myasthenia gravis

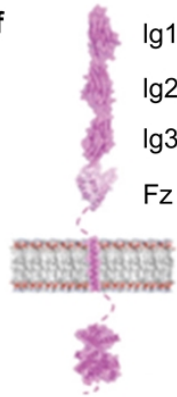
Cabaletta Bio[®]

High unmet need in MuSK myasthenia gravis; a valuable CAAR target

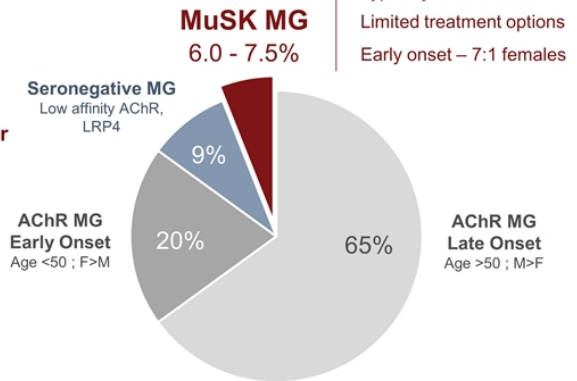
All known extracellular domains can be included in the CAAR design

Similarities to pemphigus support clinical potential of CAAR T in MuSK MG

- 1 Autoantibody titers drop after rituximab^{1,2}
- 2 Pathogenic B cells are incompletely eliminated by rituximab and persist during relapse³



MuSK has similar modular structure and size as DSG3

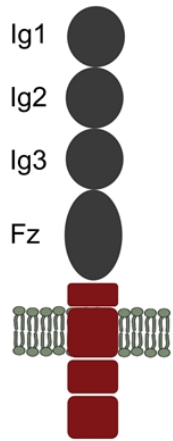


Total US MG Prevalence: 50,000 to 80,000 patients

1. Hain, Berit, et al. "Successful treatment of MuSK antibody-positive myasthenia gravis with rituximab." *Muscle & Nerve: Official Journal of the American Association of Electrodiagnostic Medicine* 33.4 (2006): 575-580.
 2. Ila, Isabel, et al. "Sustained response to Rituximab in anti-AChR and anti-MuSK positive Myasthenia Gravis patients." *Journal of neuroimmunology* 201 (2008): 90-94.
 3. Jiang, Ruoyi, et al. "Single-cell repertoire tracing identifies rituximab-resistant B cells during myasthenia gravis relapses." *JCI insight* 5.14 (2020).

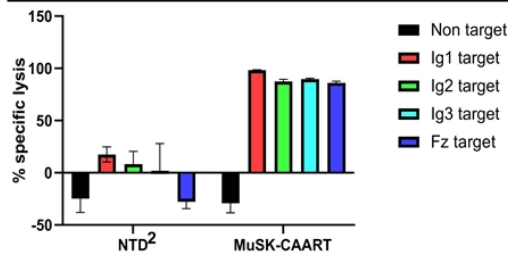
MuSK-CAART showed *in vitro* selective & specific target engagement¹

Additional *in vitro* studies demonstrated no confirmed off-target toxicity observed with MuSK-CAART to date

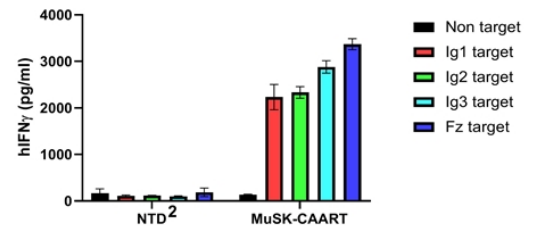


MuSK-CAART

MuSK-CAART cytotoxicity vs all epitopes tested³



Pro-inflammatory cytokine production³



MuSK-CAART observed to be specific for anti-MuSK antibody expressing cells *in vitro*

- No off-target toxicity observed *in vitro*
 - ~6,000 human membrane proteins evaluated
- No on-target toxicity observed *in vitro*
 - Cellular assays to evaluate cytotoxicity against native ligand LRP4

MuSK-CAART program on track for IND filing in 4Q21

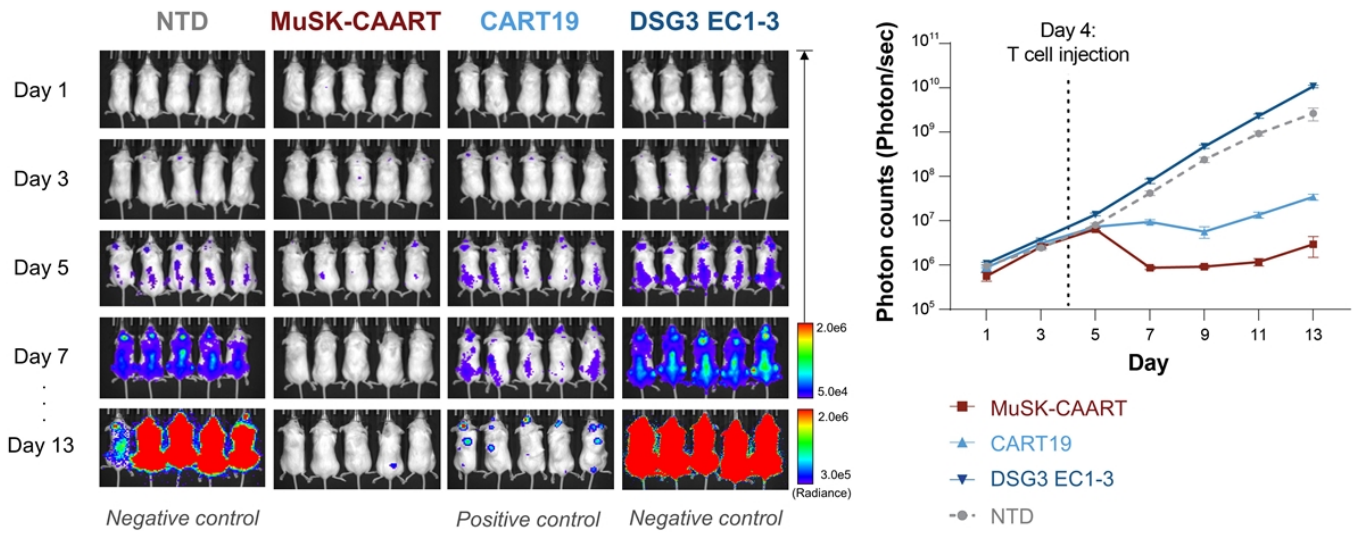
1. <https://cabalettabio.com/technology/posters-publications>.

2. NTD = non transduced T cell control against the same target cells

3. Target cells are the pre B cell line, Nalm-6, genetically modified to express anti-MuSK antibodies specific for one of the MuSK domains, Ig1, Ig2, Ig3, or Fz

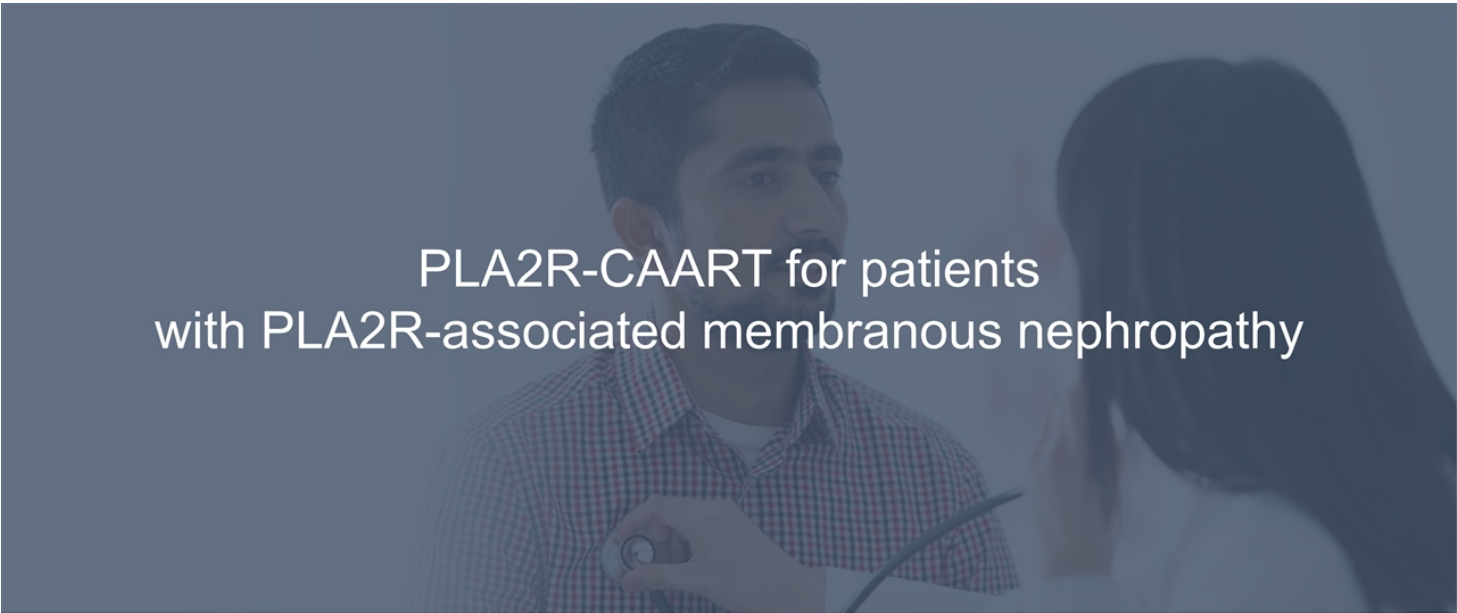
MuSK-CAART demonstrated specific *in vivo* target engagement¹

MuSK-CAART eliminated anti-MuSK target cells² in an animal model where CART19 cells were a positive control



1. <https://cabalettabio.com/technology/posters-publications>.

2. Target cells represent a B cell tumor line (CD19 positive) that has been modified to express the anti-MuSK antibody.



PLA2R-CAART for patients
with PLA2R-associated membranous nephropathy

Cabaletta Bio[®]

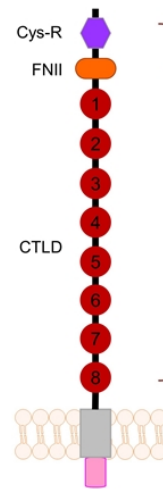
Preclinical stage CAART program in membranous nephropathy

Primary MN is an immune-mediated kidney disease with anti-PLA2R antibodies in ~75% of patients

Membranous nephropathy (MN) is a type of glomerular disease that causes nephrotic syndrome and may lead to kidney failure

Accumulating evidence of a correlation between PLA2R antibodies and disease activity, remission and relapse in primary MN

- 1 PLA2R autoantibody levels routinely used as diagnostic and prognostic markers
- 2 Autoantibody titer shown to precede and rise rapidly before clinical manifestations
- 3 Co-localization of antigen & PLA2R antibodies at site of damage in kidney



PLA2R+ MN is attractive for CAAR development

- Single pass transmembrane protein with distinct immunogenic regions
- Epitopes are well-defined
- IgG4-dominant disease, similar to PV and MuSK MG
- Eligible US population
 - prevalence of ~4,000-8,000;
 - incidence of ~700-1,400 / yr

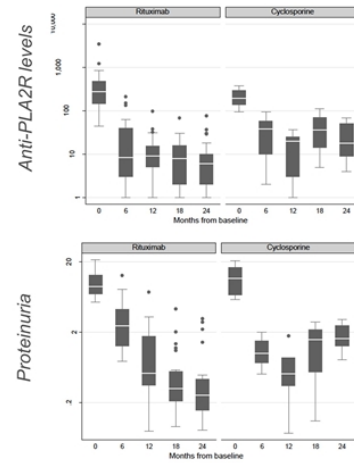
Changing treatment paradigm highlights the role of B cells in disease

Opportunity to develop antigen-targeted therapy to address significant unmet need

High unmet need despite B cell-depleting therapies

- Rituximab increasing 1st line for medium to high-risk pts
 - 1/3 cure; 1/3 relapse; 1/3 fail¹
 - Relapse of nephrotic syndrome occurs within 2-4 years
 - Preceded by return of B cells & PLA2R autoantibodies
- Patients with higher anti-PLA2R levels at baseline and with epitope spreading less likely to respond to rituximab
- Up to 30% of diagnosed patients develop ESRD

MENTOR trial results:
Antibody levels & proteinuria by group in patients with complete or partial remission at month 24



PLA2R antibody levels correlate with proteinuria, a commonly used surrogate endpoint

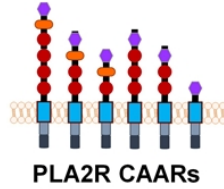
1. Accelerated rituximab clearance secondary to renal damage in patients with MN thought to be a major driver of limited drug effect.

PLA2R-CAART showed *in vitro* antigen-specific B cell depletion¹

PLA2R-CAART advancing toward clinical development with preclinical activity and tolerability data

Multiple PLA2R CAARs designed to incorporate key epitopes and evaluate epitope conformation

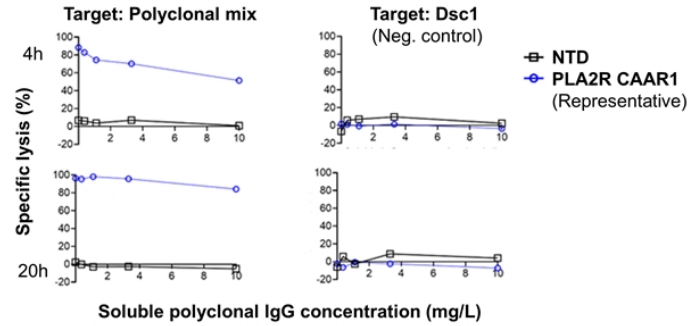
- PLA2R CAART cells cause specific lysis of anti-PLA2R hybridomas



- PLA2R CAARs adsorb the majority (>95%) of anti-PLA2R IgG in MN sera
- High throughput screening of membrane protein arrays did not identify off-target binding interactions of PLA2R CAARs

PLA2R-CAART cytotoxicity preserved over time with physiologic levels of PLA2R MN plasma IgG

- PLA2R MN IgG inhibits PLA2R-CAART cytotoxicity initially, but cytotoxicity increases with time, potentially due to CAART cell proliferation and/or new CAAR synthesis



Request for pre-IND interaction submitted to FDA; anticipate interaction to be conducted in 4Q21

1. As presented at the ASN Kidney Week 2021.

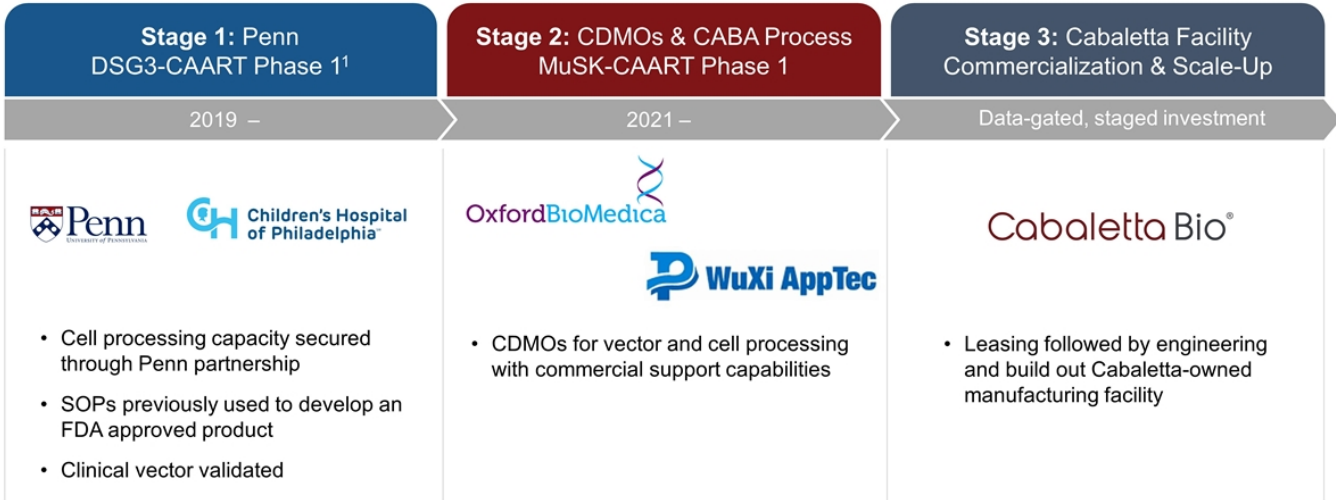
A photograph of a person wearing safety glasses and a white lab coat, looking down at a piece of equipment in a laboratory. The image is overlaid with a semi-transparent blue filter.

Manufacturing

Cabaletta Bio®

Manufacturing strategy

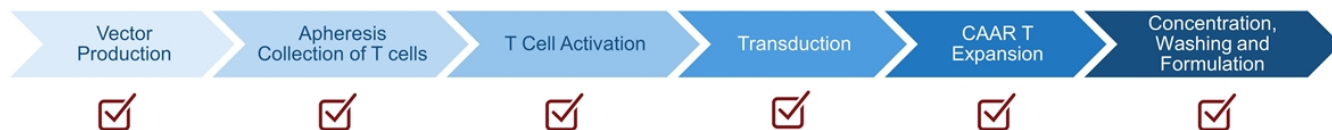
Three-stage approach allows for efficient allocation of capital while leveraging experienced partners



1. Penn-sponsored CD19 CAR IND CMC data has been cross-referenced in DSG3-CAART IND to provide additional data reflecting alignment.

Parallel steps in manufacturing process¹ for CAR T vs CAAR T

Vector production and cell processing are key risks mitigated by strategy, partnership, process and people



Utilizing a clinically validated CART19 cell manufacturing process mitigates risks

- Cross referenced Penn CART19 IND including CMC process¹
- Penn process, not Novartis process, avoiding Kymriah release challenges²
- Engineering runs have demonstrated efficient manufacture of DSG3-CAART cells from PV patients³

Multiple runs contractually secured each month at Penn

- Subject to future COVID-19 impact

DSG3 vector supply validated and secured

1. Penn-sponsored CD19 CAR IND CMC data has been cross-referenced in DSG3-CAART IND to provide additional data.

2. Manufacturing challenges were due to release specifications: <https://www.biopharmadive.com/news/novartis-hits-car-t-manufacturing-snap-as-kymriah-sales-disappoint/528202/>.

3. T cells isolated from patients with a range of treatment regimens of low to high intensity were tested; the highest intensity regimen and patients with ALC<1000 cells/uL expanded less well and will be excluded from the trial design.



Corporate Summary

Cabaletta Bio[®]

Leadership team

LEADERSHIP TEAM



Steven Nichtberger, M.D.
President, CEO & Chairman



Samik Basu, M.D.
Chief Scientific Officer



Gwendolyn Binder, Ph.D.
EVP Science & Technology



David J. Chang, M.D., M.P.H.
Chief Medical Officer



Arun Das, M.D.
Executive Director BD



Michael Gerard
General Counsel



Heather Harte-Hall
Chief Compliance Officer



Anup Marda
Chief Financial Officer



Martha O'Connor
Chief HR Officer



SCIENTIFIC ADVISORY BOARD



Aimee Payne, M.D., Ph.D.
Co-Founder and Co-Chair



Michael C. Milone, M.D., Ph.D.
Co-Founder and Co-Chair



Brian Daniels, M.D.



Carl June, M.D.



Jay Siegel, M.D.



Iain McInnes, Ph.D., FRCP, FRSE, FMedSci



Cabaletta today

Leveraging a clinically validated CAR T platform as a novel approach to treating autoimmune diseases aiming to provide:

- **Deep and durable responses**, potentially cures, for autoimmune patients and
- **An exceptional safety profile**, based on
- **Highly specific, targeted therapy** designed to eliminate only pathogenic B cells












Multiple potential near-term clinical data catalysts with potential pipeline read-through

- **Safety, top-line biologic activity data, clinical responses**

Expanding network of academic & industry partners to enhance platform



Anticipated near-term milestones

	Milestone	1Q 2021	2Q 2021	3Q 2021	4Q 2021	1Q 2022
DSG3-CAART: DesCAARTes™ Data  28-Day Safety  Top-line Biologic Activity	1 st cohort (20M) ²	COMPLETED				
	2 nd cohort (100M) ²					
	3 rd cohort (500M) ²					
	4 th cohort ¹ (2.5B) ²					
	5 th cohort (5.0B to 7.5B) ²					
MuSK-CAART	Implement manufacturing process with CMO partner					
	MuSK-CAART IND filing					
PLA2R-CAART	Pre-IND interaction with FDA					

1. Assumes no dose-limiting toxicities are observed during cohort and uninterrupted enrollment occurs in the trial.
 2. Number of transduced cells.

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A microscopic view of several spherical cells with a red, textured interior, set against a white background. The cells are out of focus, with one in the foreground being sharper.

Corporate Presentation

DECEMBER 2021

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Cabaletta Bio[®]

Cabaletta Bio Reports Top-line Biologic Activity Data from Two Lowest Dose Cohorts in DesCAARTes[™] Trial in Patients with Mucosal Pemphigus Vulgaris

PHILADELPHIA, Dec 14, 2021 — Cabaletta Bio, Inc. (Nasdaq: CABA), a clinical-stage biotechnology company focused on the discovery and development of engineered T cell therapies for patients with B cell-mediated autoimmune diseases, today reported top-line data on biologic activity from the two lowest dose cohorts in the DesCAARTes[™] Phase 1 clinical trial of DSG3-CAART for the treatment of patients with mucosal Pemphigus Vulgaris (mPV).

As of December 12, 2021, six patients, comprising the two lowest dose cohorts (20 million and 100 million DSG3-CAART cells administered without lymphodepletion) had completed three to six months of follow-up for evaluation of DSG3-CAART biologic activity. Patients enrolled had persistent mild to moderate disease severity prior to infusion despite receiving or having received systemic medication for treatment of their mPV symptoms prior to enrollment. Parameters being used in the trial to evaluate potential biologic activity include persistence of DSG3-CAART, change in level of DSG3 autoantibodies, change in mPV therapy or need for new systemic rescue therapy, and change in disease activity (e.g., as assessed by Pemphigus Disease Area Index (PDAI) and Oral Disease Severity Score (ODSS)). Prior to infusion, disease activity scores improved in five of six participants in the absence of any protocol directed additions to baseline therapy. Of those five participants, one had a decline in DSG3 autoantibody levels ³20% during that period. Top-line data on biologic activity among the first six participants in the lowest dose cohorts are:

- *In cohort A1, participants received 20 million DSG3-CAART cells:*
 - *Two of three participants had DSG3 autoantibody levels that rose ³20% along with disease activity scores (e.g., PDAI and ODSS) that worsened within six months after DSG3-CAART infusion, with one of these participants receiving additional systemic medication. Both participants reduced or discontinued selected systemic therapies prior to DSG3-CAART infusion, as required by the protocol.*
 - *One of three participants had modest DSG3 autoantibody levels and mild disease activity at infusion and had a negative DSG3 level at six months along with disease activity scores of zero on both scales at six months with no systemic medications for mPV since DSG3-CAART infusion. As permitted by protocol, this participant was enrolled due to worsening symptoms despite receiving two different systemic therapies within 9 months of DSG3-CAART infusion. The systemic therapies may have impacted clinical scores and DSG3 levels, both of which improved between screening and infusion.*
- *In cohort A2, participants received 100 million DSG3-CAART cells:*

- *Two of three participants maintained stable DSG3 autoantibody levels that have not persistently changed +/- 20% of pre-infusion levels through four months. Through the six month follow-up period, one of these patients maintained stable disease activity scores, while the other patient maintained stable scores initially before subsequently worsening. Both patients did not require any new systemic medications post-infusion through the entire follow-up period.*
- *One of three participants had DSG3 autoantibody levels that rose ³20% from pre-infusion levels despite stable disease activity scores with four months of follow-up. This participant subsequently received systemic medication to improve disease activity after DSG3-CAART infusion.*
- *DSG3-CAART persistence was not observed above the assay's threshold for quantification in any participant from the first two cohorts at three months post-infusion.*

Additional data on the initial cohorts in the DesCAARTes™ trial are anticipated to be presented at medical meetings and/or scientific sessions in 2022.

“As the first targeted cell therapy clinical trial for patients with a B cell-mediated autoimmune disease, the DesCAARTes™ trial was designed with patient safety as the top priority. By starting with these low-dose cohorts, we have been able to administer the product to autoimmune patients, with no dose-limiting toxicities or clinically relevant adverse events observed to date.” reported David J. Chang, M.D., Chief Medical Officer of Cabaletta. “While clear signs of DSG3-CAART biologic activity were not observed to date in the two lowest cell dose cohorts, the emerging clinical and serological data in one of the six patients who has improved since DSG3-CAART infusion is notable. Patients in the fourth dosing cohort are currently being dosed with 2.5 billion cells, which is 25 and 125 fold greater than the two dose cohorts reported today. Based on communications with the U.S. Food and Drug Administration (FDA) dating to the first half of 2021, as well as the safety data reported from our first three dosing cohorts, we plan to expand the DesCAARTes™ trial to evaluate higher dose cohorts and consolidated dosing regimens and, subject to an IND amendment, an enhanced manufacturing process. Our engagements and interactions with patients, investigators, and advocacy groups have given us confidence that patients with mPV are highly interested in a deep, durable, and potentially curative therapy, and we look forward to advancing the trial to potentially identify an optimal dose regimen that maximizes the opportunity for patients to achieve those goals, while maintaining a favorable safety profile.”

The first additional cohort in the dose escalation phase of the DesCAARTes™ trial is anticipated to be the A5 cohort, in which patients will receive between 5.0-7.5 billion DSG3-CAART cells with a consolidated fractionated infusion regimen including only two fractions – 30% followed by 70%. The planned enhanced manufacturing process aims to amplify the already present cell subtypes in the product in order to potentially improve product potency and trafficking to tissue where the target B cells reside.

“Based on the reported safety data from the first three cohorts, the observation of dose-dependent increases in persistence previously reported in Cohort A3 relative to the first two cohorts, and consultation with investigators, advisors, and the FDA, we now have the opportunity to expand the trial to evaluate higher dose cohorts, consolidated dosing and, subject to an IND amendment, an enhanced manufacturing process.” said Steven Nichtberger, M.D., Chief Executive Officer and Co-founder of Cabaletta. “With six sites activated and dosing underway in the fourth cohort at a dose of 2.5 billion DSG3-CAART cells, we anticipate reporting top-line biologic activity from the 500 million cell cohort A3 as well as 28-day safety data from the 2.5 billion cell cohort in the first quarter of 2022.”

About the DesCAARTes™ Clinical Trial

Cabaletta's DesCAARTes™ Phase 1 trial is an open-label, multi-center study of DSG3-CAART in adults with mucosal-dominant pemphigus vulgaris (mPV). The trial is designed to evaluate the safety and tolerability of DSG3-CAART as well as to identify evidence of target engagement and early signs of efficacy. The study consists of three parts: 1) dose escalation to determine the maximum tolerated dose, 2) dose consolidation, and 3) cohort expansion at the final selected dose and schedule. The trial is expected to enroll approximately 33 patients across multiple clinical sites throughout the United States. Visit our website ([DesCAARTes™ Phase 1 Trial](#)) for more information.

About Pemphigus Vulgaris

mPV is a rare autoimmune blistering disease that is characterized by the loss of adhesion between cells of the skin or mucous membranes. mPV is caused by the production of autoantibodies that disrupt structural proteins within the skin and/or mucosa that connect with other proteins to enable the skin and/or mucosal cells to connect with each other. The autoantibodies can target DSG3 and/or desmoglein 1 (DSG1), which are primarily expressed in the mucosal membranes and skin, respectively. mPV is characterized by autoantibodies against DSG3 only whereas mucocutaneous PV (mcPV) is characterized by autoantibodies against DSG3 and DSG1.

About CAAR T Cell Therapy

Chimeric AutoAntibody Receptor (CAAR) T cells are designed to selectively bind and eliminate only disease-causing B cells, while sparing the normal B cells that are essential for human health. CAAR T cells are based on the chimeric antigen receptor (CAR) T cell technology. While CAR T cells typically contain a CD19-targeting molecule, CAAR T cells express an autoantibody-targeted antigen on their surface. The co-stimulatory domain and the signaling domain of both a CAR T cell and a CAAR T cell carry out the same activation and cytotoxic functions. Thus, Cabaletta's CAARs are designed to direct the patient's T cells to kill only the pathogenic cells that express disease-causing autoantibodies on their surface, potentially leading to complete and durable remission of disease while sparing all other B cell populations that provide beneficial immunity from infection.

About Cabaletta Bio

Cabaletta Bio is a clinical-stage biotechnology company focused on the discovery and development of engineered T cell therapies, and exploring their potential to provide a deep and durable, perhaps curative, treatment, for patients with B cell-mediated autoimmune diseases. The Cabaletta Approach to selective B cell Ablation (CABA™) platform, in combination with Cabaletta's proprietary technology, utilizes CAAR T cells that are designed to selectively bind and eliminate only specific autoantibody-producing B cells while sparing normal antibody-producing B cells, which are essential for human health. The Company's lead product candidate, DSG3-CAART, is being evaluated in the DesCAARTes™ Phase 1 clinical trial as a potential treatment for patients with mucosal pemphigus vulgaris, a prototypical B cell-mediated autoimmune disease. The U.S. Food and Drug Administration (FDA) granted Fast Track Designation for DSG3-CAART in May 2020. For more information about the DesCAARTes™ Phase 1 clinical trial, please visit our website ([DesCAARTes™ Phase 1 Trial](#)). The Company's lead preclinical product candidate, MuSK-CAART, is in IND-enabling studies and is designed as a potential treatment for patients with MuSK-associated myasthenia gravis. For more information, visit www.cabalettabio.com.

Forward-Looking Statements

This press release contains “forward-looking statements” of Cabaletta Bio within the meaning of the Private Securities Litigation Reform Act of 1995, as amended, including without limitation, express or implied statements regarding expectations regarding: the progress and results of its DesCAARTes™ Phase 1 trial, including Cabaletta Bio’s ability to enroll the requisite number of patients, dose each dosing cohort in the intended manner and advance the trial as planned; the expected timing and significance around the announcement of top-line biologic activity from the 500 million cell cohort and 28-day safety for the fourth dose cohort in the first quarter of 2022; the expectation that Cabaletta Bio may improve outcomes for patients suffering from mPV; the effectiveness and timing of product candidates that Cabaletta may develop, including in collaboration with academic partners; the safety, efficacy and tolerability of DSG3-CAART for the treatment of mPV; the impact of preclinical data on the future development of CAAR T therapies in Cabaletta’s pipeline portfolio; presentation of additional data at upcoming scientific conferences, and other preclinical data; the impact of COVID-19 on the timing, progress, interpretability of data, and results of ongoing or planned preclinical and clinical trials; and planned regulatory filings for Cabaletta’s development programs.

Any forward-looking statements in this press release are based on management’s current expectations and beliefs of future events, and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements. These risks and uncertainties include, but are not limited to: the risk that signs of biologic activity may not inform long-term results; Cabaletta Bio’s ability to demonstrate sufficient evidence of safety, efficacy and tolerability in its preclinical and clinical trials of DSG3-CAART; risks related to clinical trial site activation or enrollment rates that are lower than expected; risks related to unexpected safety or efficacy data observed during clinical studies; risks related to the impact of public health epidemics affecting countries or regions in which Cabaletta has operations or does business, such as COVID-19; Cabaletta’s ability to retain and recognize the intended incentives conferred by Orphan Drug Designation and Fast Track Designation for DSG3-CAART for the treatment of pemphigus vulgaris; risks related to Cabaletta’s ability to protect and maintain its intellectual property position; uncertainties related to the initiation and conduct of studies and other development requirements for its product candidates; and the risk that the results of preclinical studies or clinical studies will not be predictive of future results in connection with future studies. For a discussion of these and other risks and uncertainties, and other important factors, any of which could cause Cabaletta’s actual results to differ from those contained in the forward-looking statements, see the section entitled “Risk Factors” in Cabaletta’s most recent annual report on Form 10-K as well as discussions of potential risks, uncertainties, and other important factors in Cabaletta’s other filings with the Securities and Exchange Commission. All information in this press release is as of the date of the release, and Cabaletta undertakes no duty to update this information unless required by law.

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